



Private & commercial pools & spas

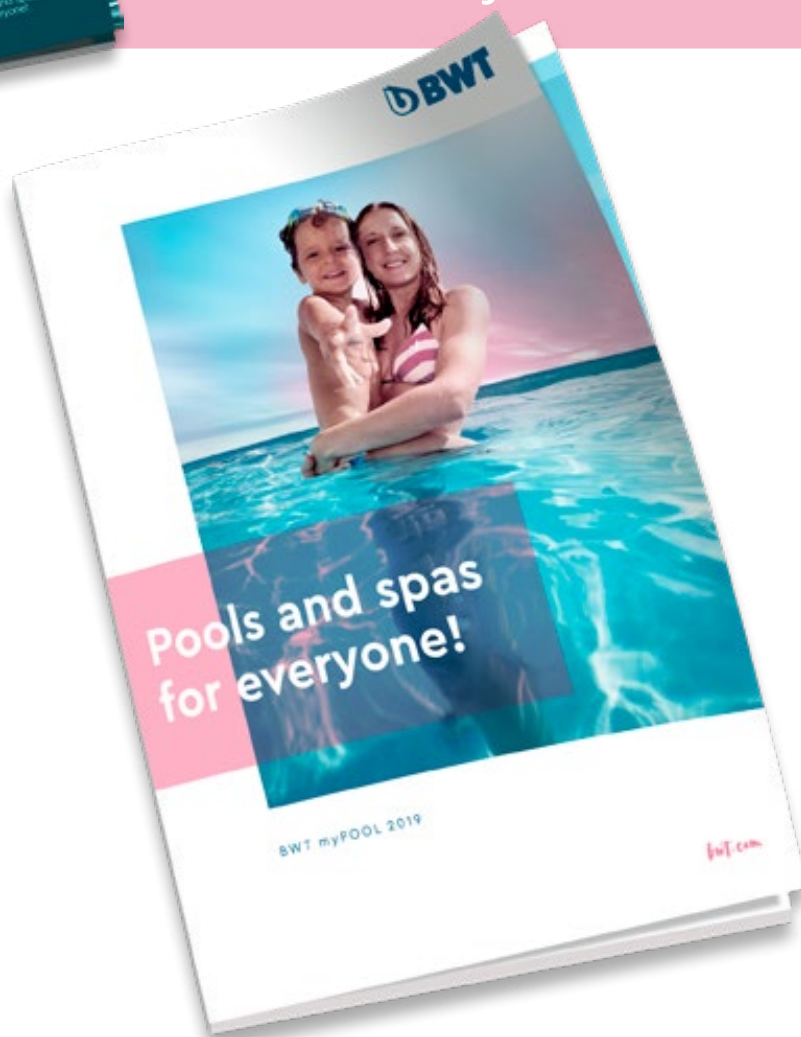
BWT POOL | PRICE LIST 2019

Benefit from the international renown of the BWT brand and offer your clients products with high added value.



In 2019 ProSwell has become:

BWT myPOOL
Pools & Spas
for everyone!



Prices applicable as of
the 3rd of December 2018

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Water is the lifeblood of our planet and the lifeblood of BWT:

WATER IS OUR MISSION



Without water there is no life, no growth, no progress. BWT is therefore dedicated to water – our lifeblood and our essential consumable – with the aim of becoming the global leader in water technology through environmentally friendly, cost-effective products and processes.

The objective of BWT (Best Water Technology) is to develop the best water treatment products, equipment, technologies and services for our customers.

We even go one step further and state that water is our mission! It is our responsibility to maximise hygiene safety and well-being in our daily contact with water. BWT therefore offers a wide product portfolio comprising products and systems for filtration, softening, disinfection (UV, ozone, chlorine dioxide, etc.), limescale protection, sea water desalination, hygiene management, reverse osmosis systems, the production of purified water for the pharmaceutical industry, etc.

All BWT products and processes are highly efficient, reliable, economical and environmentally friendly

have made BWT the European market leader in the diverse water treatment sector. BWT's corporate goal is to become the leading international water technology group. And because we are quite simply stronger together, we are always delighted to welcome new partners like Procopi into the growing BWT family.

FOR YOU AND PLANET BLUE

Our strapline "For You and Planet Blue" goes to the heart of our vision, which is to be a company that operates in a sustainable and responsible way – both to meet the needs of individuals and to preserve our planet Earth as a unique habitat.

Fully aware of the importance of its role, BWT uses its know-how precisely where it is needed to purify and harness our planet's limited water resources.

STRONGER TOGETHER

An entrepreneurial spirit, a passion for research, the joy of innovation and success – these are the factors that

BWT, basic facts:

- » Europe's leading water technology company
- » Company founded: 1990
- » Business sectors: private industry, business, hotels, the public sector
- » Team: 3.800 employees
- » International presence: thousands of partners in over 80 countries worldwide
- » Subsidiaries: 5 production sites
- » R&D centres: 7 research and development centres across Europe

@ HOME

@ HOTELS & RESORTS

@ RESTAURANTS & BARS

@ OFFICES

@ PUBLIC

@ EVERYWHERE ON OUR
BEAUTIFUL PLANET

Wherever you are, in whatever sector, each day you have the pleasure and benefit of BWT water

WATER TREATMENT EXPERTISE

MAGNESIUM MINERALIZED DRINKING WATER

Magnesium-mineralized water offers a genuine taste experience, while providing the perfect supplement to your recommended daily magnesium requirement. It also has an almost neutral pH value and contains less calcium and taste-inhibiting substances.

Not only does this bring out the full flavour of coffee and tea, but it also prevents limescale deposits from forming in your kitchen appliances.

BWT PEARL WATER IN THE HOME

BWT pearl water is a true fount of wellness for a limescale free home.

It leaves fewer residues on your hair and skin, leaving them silky-soft.

The soft water protects your household devices and your boiler, prolonging their service life!

BWT Pearl Water also contributes to shinier bathrooms and kitchens and your laundry feels cuddly-soft. Your home is transformed into a soft, serene haven of wellness.

BWT WFI – WATER FOR INJECTION WATER FOR PHARMA & BIOTECH

We are not always aware that we come into contact with BWT Purified Water every day; it is everywhere; in cosmetics, medicines and other pharmaceutical products. For this vital ingredient, reliability is primordial. This is why Biotech manufacturers and laboratories rely on BWT's production systems, tried and tested and a guarantee of safety.

MAGNESIUM MINERALIZED WATER

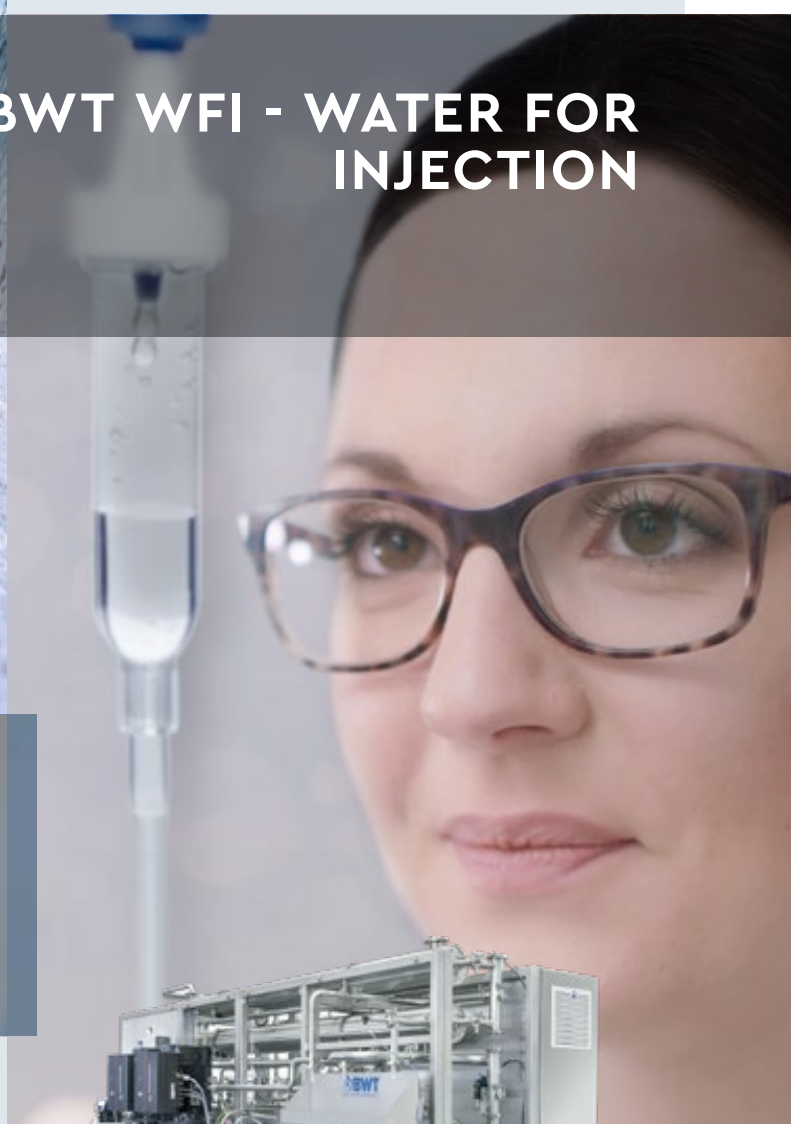


BWT AQA DRINK PRO 20

BWT MAGNESIUM MINERALIZER



BWT WFI - WATER FOR INJECTION



BWT PEARL WATER FOR THE HOME



BWT PEARL WATER GENERATOR



BWT PERLA



BWT OSMOTRON® WFI

NEW IN

2019



Pool fittings & pipe fittings



PAR56 incandescent and LED bulb - General Electric



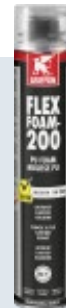
Additional RF remote control with 4 functions, for LED underwater lights



Long sleeve, female/female, solvent, 50 mm



Liquid rubber cartridge 310 g



PU Flex Foam-200 flexible 750 ml



PU foam cleaning agent



PU foam gun



Roll of Teflon, 12 m



PVC stripper, 500 mL

Filters



RTM HF - SIDE



RTM CS - SIDE



RTM CT - TOP

Pumps



BWT Eurostar HF



Eurostar II

Electrical panels



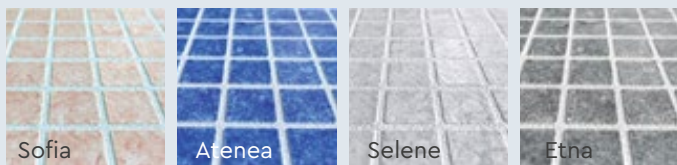
Multi-function panel

Accessories

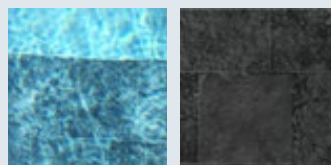


Typhon M25 vacuum for sand filter to be mounted on a hose

Waterproofing membranes



Sofia
Atenea
Selene
Etha
Alkorplan 3D Touch – 2.0 mm



Sensation 3D – Stonehenge

Heating



BWT Fairland Inverter Plus



BWT Pioneer Inverter



BWT Inverter vertical

Maintenance accessories



Easy Pool'Gom with handgrip

Pool chemicals for private pools



Pool chemicals for commercial pools



Overflow spa



Waimea 250 spa
7 massage stations
32 jets

W IN

2019



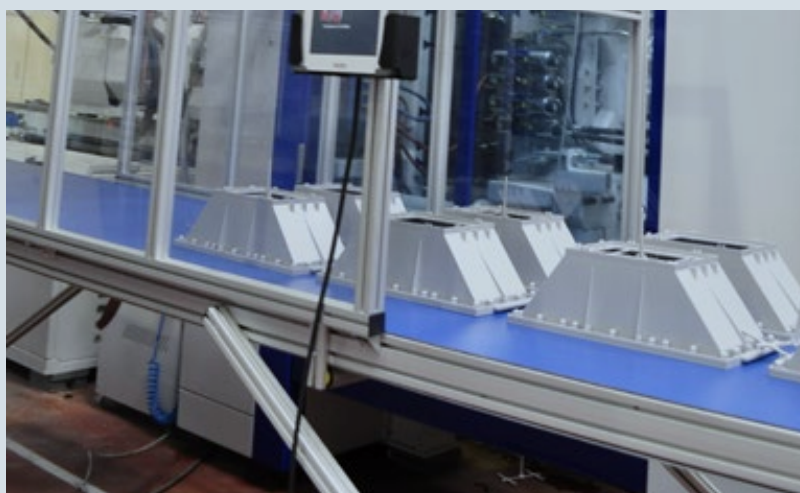
THE PROCOPI GROUP

Logistics

Procopi manufactures a large amount of its production to meet client needs the following season between October and the end of February. This type of strategy is only possible with the support of excellent logistics and huge storage facilities.

For this reason, 4 large logistics units were created in:

- Guingamp (22) : 11,500 m²
- Rennes / Le Rheu (35) : 10,000 m²
- Pleumeleuc (35) : 10,000 m²
- Marseilles / Gémenos (13) : 3,500 m²



Factories

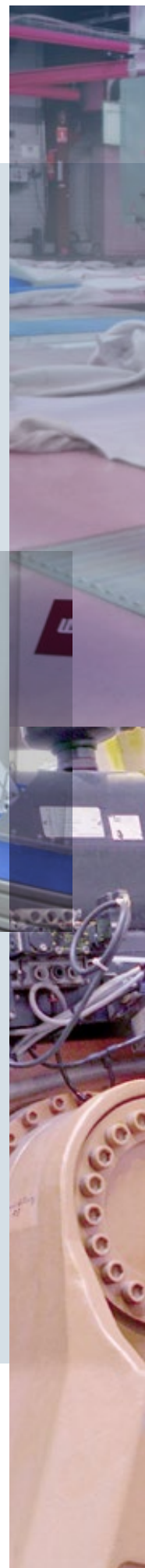
Production unit in Guingamp – France


The UP-22 factory located in Guingamp (France) operates round the clock using processes based around thermoplastic extrusion and injection techniques.

Procopi is the only French company on the market to make its own injection moulds and inject its own PVC and ABS parts in a factory equipped with 9 injection presses (between 55 and 1,500 metric tons) all fitted with demoulding robots.

This factory specialises in the manufacture of:

- Pool fittings,
- Automatic covers.
- Procopi is also the only French manufacturer of automatic covers to extrude the PVC slats that make up the automatic cover aprons in its own factory.





Production unit in Rennes – France

The UP-35A factory is located in Le Rheu, near Rennes (France) and occupies 10,000 m² of buildings. This factory specialises in the transformation of soft plastics (PVC-P, Pe).

It contains 3 computer assisted cutting machines (Lectra), 10 pit-installed high frequency welding machines and 5 thermal welding and ultrasonic welding machines.

This factory specialises the manufacture of:

- Superliner and BWT Aqualiner,
- Bar covers: Mambo and Calypso and CBE-650,
- Winter covers,
- Bubble covers.



Production unit in Pleumeleuc – France

The UP-35B factory is located in Pleumeleuc, close to Rennes (France), housed in 10,000 m² of buildings. This factory, that specialises in the low pressure injection of composite materials and thermoforming, is responsible for the manufacture of:

- Spas (Procopi and SpaFrance ranges),
- RTM sand filters, polyester filters, low pressure injection products,
- Python sand filters, polyester filters, bobbin-wound products,
- Magic and BWT Naja polyethylene sand filters, extrusion blow-moulded products,
- M.P.I. heat pumps,
- Hotline electric heaters and BWT heat exchangers
- Electrical panels: Swimline, SR-Light and X-Light
- Motorisation systems for automatic covers.

UP-35 B Commercial pools and spas:

- Python Polar filters,
- Electrical panels,
- Commercial spas,
- M.P.I. heat pumps

SALES ORGANISATION EXPORT

Area managers

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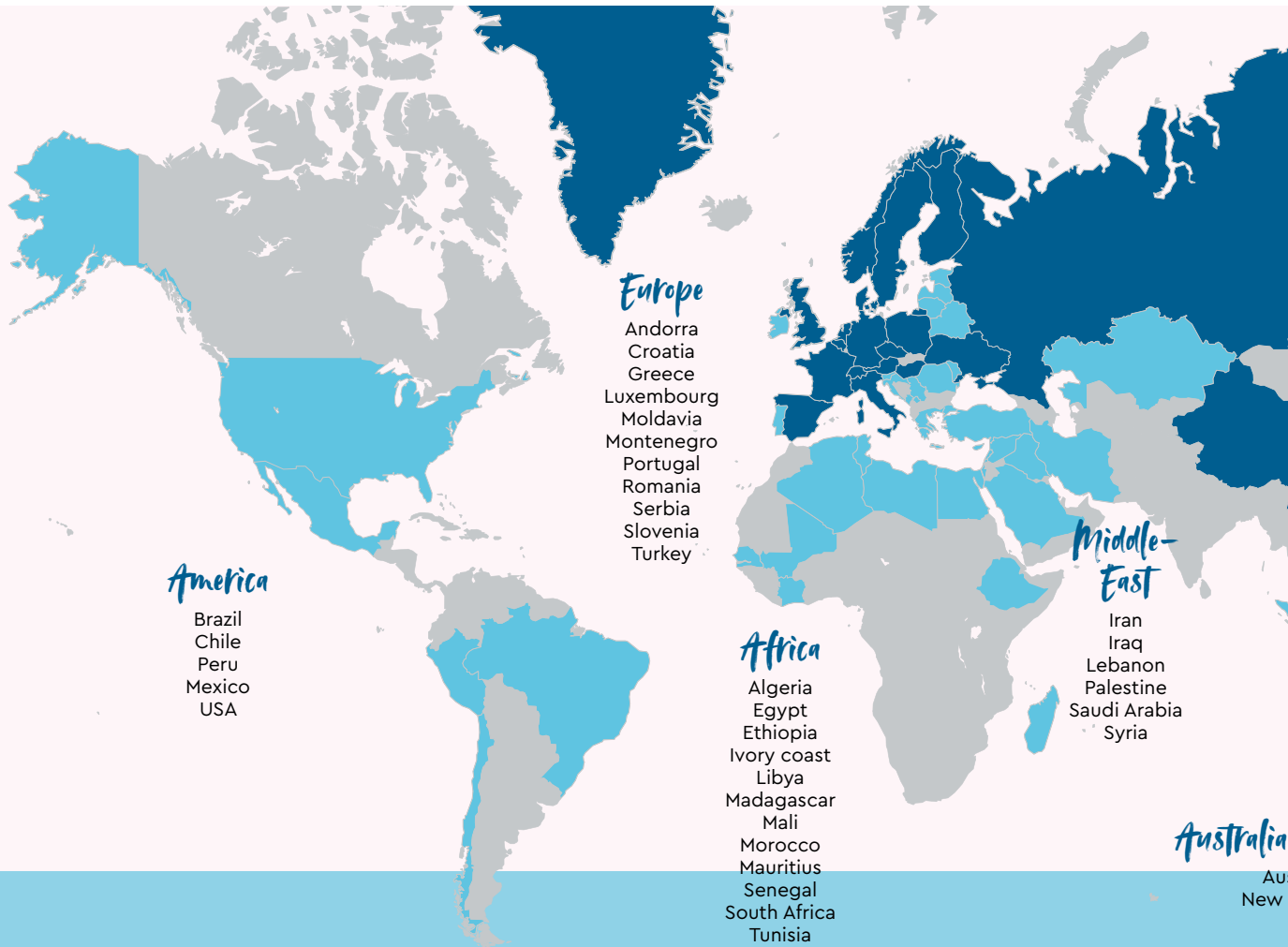
Customer Service Manager

Tel.: + 33 2 99 14 00 88- Fax: + 33 2 99 14 75 01



E-mail: export@procopi.com

HAVING ESTABLISHED OURSELVES AS A LEADER ON THE EUROPEAN MARKET, BEST WATER TECHNOLOGY IS NOW ON A MISSION TO BECOME AN INTERNATIONAL LEADER IN WATER TREATMENT TECHNOLOGY.

EVERY DAY, WE PARTNER CLIENTS ALL OVER THE WORLD, SHARING OUR EXPERIENCE AND OUR EXPERTISE.



BWT WORLD LEADER IN WATER TREATMENT TECHNOLOGIES

-  BWT subsidiaries
-  BWT partners

WITHOUT WATER THERE IS NO LIFE, NO GROWTH, NO PROGRESS. BWT IS THEREFORE DEDICATED TO WATER – OUR LIFEBLOOD AND OUR ESSENTIAL CONSUMABLE – WITH THE AIM OF BECOMING THE GLOBAL LEADER IN WATER TECHNOLOGY THROUGH ECO-FRIENDLY, COST-EFFECTIVE PRODUCTS AND PROCESSES.



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- » **Company founded:** 1990
- » **Business sectors:** private Industry, business, hotels, the public sector
- » **Team:** 3.800 employees
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- » **Subsidiaries:** 5 production sites
- » **R&D centres:** 7 research and development centres across Europe

TRANSPORT

*For 2019, a full service
from A to Z!*



Our new logistics service takes care of delivery of your orders to your door, whatever the means of transport: by land, sea or air. Procopi delivers in the shortest time and at the best price.

You don't need to worry about transport, Procopi takes care of everything.

Degressive transport rates

The cost of transport will be calculated based on the volume of your order. We will provide you with the basic rate, calculated separately for each country. The actual price charged will be degressive, depending on the volume of your order.

Orders with a value that qualifies for free delivery are delivered free of charge.

How does it work ?

When you place your order, indicate whether you would like a separate delivery, or would prefer to group this shipment with an existing order. The total value of each delivery (comprised of one or more orders) will be used to calculate the transport costs.

Once the value of the delivery reaches the minimum value to qualify for free delivery, we will deliver to your door free of charge.



HOTLINE

Our hotline technicians are ready and waiting to:

- Answer technical questions concerning our products and their underlying technologies (assistance with selection, technical specifications, etc.).
- Resolve problems encountered during installation, commissioning or maintenance of one of our products. Call our Hotline from the installation site so that you can carry out any tests recommended by our technicians.



The Hotline service is available exclusively to pool professionals and for our products.

From Monday to Friday
8:00 am – 12 :30pm / 1:30pm – 6:30pm high season,
8:30 am – 12 :30pm / 1:30pm – 5:30pm high season

To access the service you will need your 8 digit client code.

BWT HOTLINE
+33 892 696 960
0.40€ per minute plus the price
of the call.

DIGITAL MARKETING

Strengthen your image

Procopi.com

- Access to all our brochures, technical documentation and catalogues.
- Regular updates on innovations and special offers.

DVD-ROM Aquasoft

**For BWT liners, BWT automatic covers
and soft covers**

- Your order arrives directly at the factory, where it is checked by our sales assistant before being manufactured
- Your order arrives directly at the factory, where it is checked by our sales assistant before being manufactured

**Thank-you for using Aquasoft
and placing your trust in us.**

procoshop.com

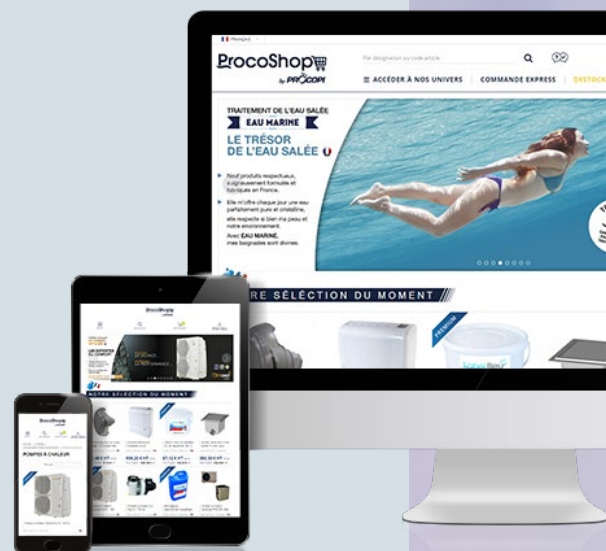
Our on-line shop

Direct, real time access to Procopi's data base

**ProcoShop allows you to place your orders on line,
24 hours a day and 7 days a week.**

Your command is printed directly in our express service: you gain time and eliminate the risks of error.

PROCODRIVE (only available in France): place your order via Procoshop and come pick your order up at the agency without any wait time.



Contact our marketing service:
+ 33 4 42 32 54 54
or by e-mail : campagnemarketing@procopi.com

Communicate & promote loyalty

WITH OUR SALES TOOLS

Customised documentation

Propose top quality, high added value services: this is the driving force behind our marketing policy.

We offer a printing service and allow you to customise our documents with your name and logo (see the price list below).

The concept

We have the ability to customise Procopi's sales documents and brochures using your company's name and logo.

Your logo and contact details can be integrated into graphic chart of our sales literature to produce highly professional documents that appear to have been created by you (see the modalities below).

Modalities

Lead time of 3 weeks after receipt and validation of the necessary details.

High resolution logo (jpeg, tiff or eps) to be sent to: marketing@procopi.com.

Minimum order: 200 copies.

Cost of printing (customised or standard)	Net price exVAT
Format A4 colour – One side only	
Format A4 colour – Both sides	
Format A3 colour – Both sides	
Any other format	

Procopi pool systems

An exclusive application, part of the AquaSoft suite that allows you to customise your liner, pool fittings and automatic covers.

AquaSoft

Design, generate quotes, place orders: BWT covers, liners, pool kits, etc.

LabelSoft

Professional water testing software.

SpaSoft

Design and view your future spa from every angle.



YOUR PARTNER *for your projects*



Sustainable development
Hydraulic optimisation
Energy savings

DESIGN OFFICE

The design office is available to carry out customised studies, in total compliance with the standards in effect.

**PRIVATE POOLS - COMMERCIAL POOLS - SPAS
HYDRAULIC STUDIES, HEATING, DEHUMIDIFICATION,
WATERPROOFING MEMBRANES, FILTRATION,
INTEGRATED CLEANING, ETC.**

Procopi offers the technical means and know-how you need to position yourself, risk-free, on the commercial pool market.

Procopi provides everything you need to build a commercial pool. Every component of the installation complies with the specific restrictions currently imposed by French regulations concerning commercial installations; filtration systems,

pumps, water treatment systems, electrical equipment, plumbing and other accessories.

Procopi has developed its own range of sand filters specifically for commercial installations: Python Polar filters.

These bobbin-wound filters are the reference for commercial pools



Contact our design office
+ 33 2 99 61 24 64
or by e-mail : betech@procopi.com

For cost estimates, please contact your Procopi agency.



Skimmer and Mirror Skimmer mouth and throat trim



Face plates & weirs for wide mouth skimmers



Face plates & weirs for small mouth skimmers



Flanges, gratings and gaskets for main drains



Return fitting directional jet trim



Kit with inserts + screws + drill bit



Malleable clipped guts pack for underwater lights

RENOVATION Pool fittings

Discover our selection of pool renovation fittings and equipment.

Pool fittings are used in the pool filtration system (main drain, skimmer, return fittings), for pool maintenance (level controllers, vacuum points), for lighting (underwater lights) and in counter-swim systems.

Procopi offers a selection of pool fittings for masonry/ liner pools (with waterproofing seals) and concrete pools. We also offer a range of colour pool fittings: blue, green, beige, grey, etc.

Along with this, we offer a comprehensive range of pool renovation fittings, that take the heavy lifting out of pool renovation.



Accessories

Glue, stripper, rubber and others



Customised step EdenStep

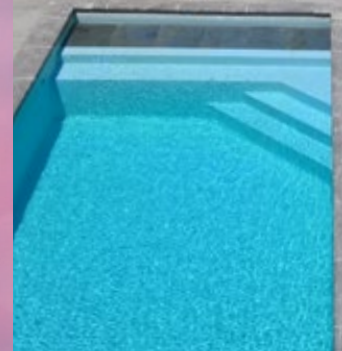


Filtration electrical panel with regulation



Water blades

RENOVATION



Customised step Edenstep



Sta-Rite adaptor base

Hand rails & Diving boards

Aquastep corner step - renovation



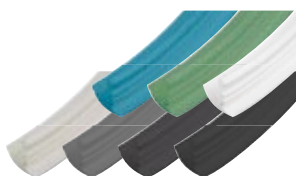
Waterproofing membranes



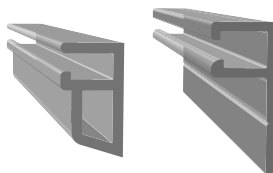
Waterproofing membranes:

- Alkorplan 2000 - Plain
- Alkorplan 3000 - Patterned
- Superliner 0.85 mm V2F
- Aqualiner 0.75 mm

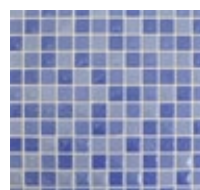
Ceramic tiles 30 x 15



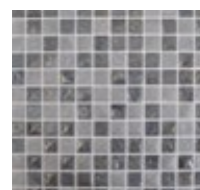
Flexible liner locking strips



Sub-coping hung liner locking track (PVC - ALU)



Eione



Baya



Nomia



Alarms
Kit Vigie 255 M

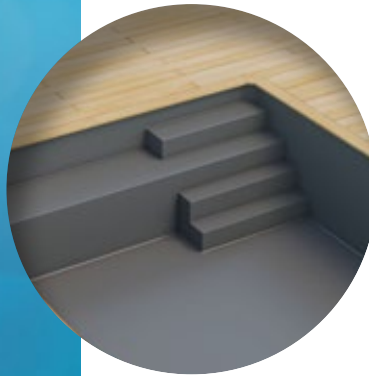
Submerged automatic covers



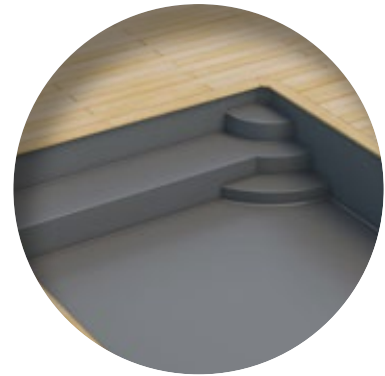
Liners for steps



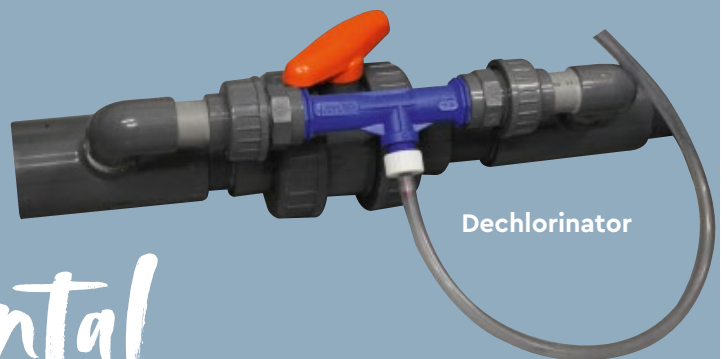
Bench/ deck + Straight step



Bench/ deck + Emergent straight step



Bench/ deck + Misc step



Dechlorinator

Environmental solutions



BWT CONSTRUCTION & RENOVATION

Complies with the following standards:

NF EN 60598-1 April 2015 : Light fittings – general requirements and test methods.

NF EN 60598-2-18+A1 February 2016 : Light fittings. Regulations specific to light fittings for pools and similar uses

NF EN 16713-2 April 2016: Private family pools. Water distribution systems. Part 2. Circulation systems. Requirements and test methods.

NF EN 13451-3 + A3 March 2016: Requirements and test methods specific to suction and return fittings for water features.

AFNOR AC P90-326: Pool fittings (Previously DTP No. 8

01

Pool fittings & pipework

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THE SKIMMER

Made in France, skimmers incorporate the latest technological innovations, quality and reliability are guaranteed. The range comprises 4 versions: liner pools, traditional reinforced concrete pools, panel pools, polyester shell pools.

- Made of UV resistant, pool-grade ABS,
- Self-adhesive elastomer seals,

- Stainless steel screws, suited to every pool type,
- Protective, adhesive worksite covers,
- Available in a range of colours,
- Made in France.

Our skimmers are made in France

- Skimmers are manufactured by Procopi, in its factory in Brittany, in northern France.
- ABS gives skimmers a shiny, bright white finish (the shade of white is colour matched to Procopi's range of liners and waterproofing membranes) that is stable over time thanks to its anti-UV treatment, and resistant to the action of pool chemicals under normal operating conditions. The skimmer body is always the same, irrespective of the skimmer version (concrete, liner, etc.).
- In the event that a conventional concrete pool equipped with skimmers begins to leak, a liner or 1.50 mm reinforced membrane can easily be fitted. All that is needed are the flange, seals and screws necessary to transform your Concrete skimmer into a Liner skimmer.

Worksite protective covers

- The protective, self-adhesive worksite covers delivered with the skimmers protect the body and screw housings from damage or from being filled with mortar or cement while the pool is being built.

A single screw type

- All skimmer screws are the same, whatever the pool type, and are made of A4 stainless steel; it is easy to keep a stock on hand to satisfy after sales needs.

Self-adhesive seals

- Masonry, liner, panel type pool fittings, are delivered with 2 self-adhesive elastomer seals, very easy to install and resistant to the action of pool chemicals.

Delivered in boxes of 2

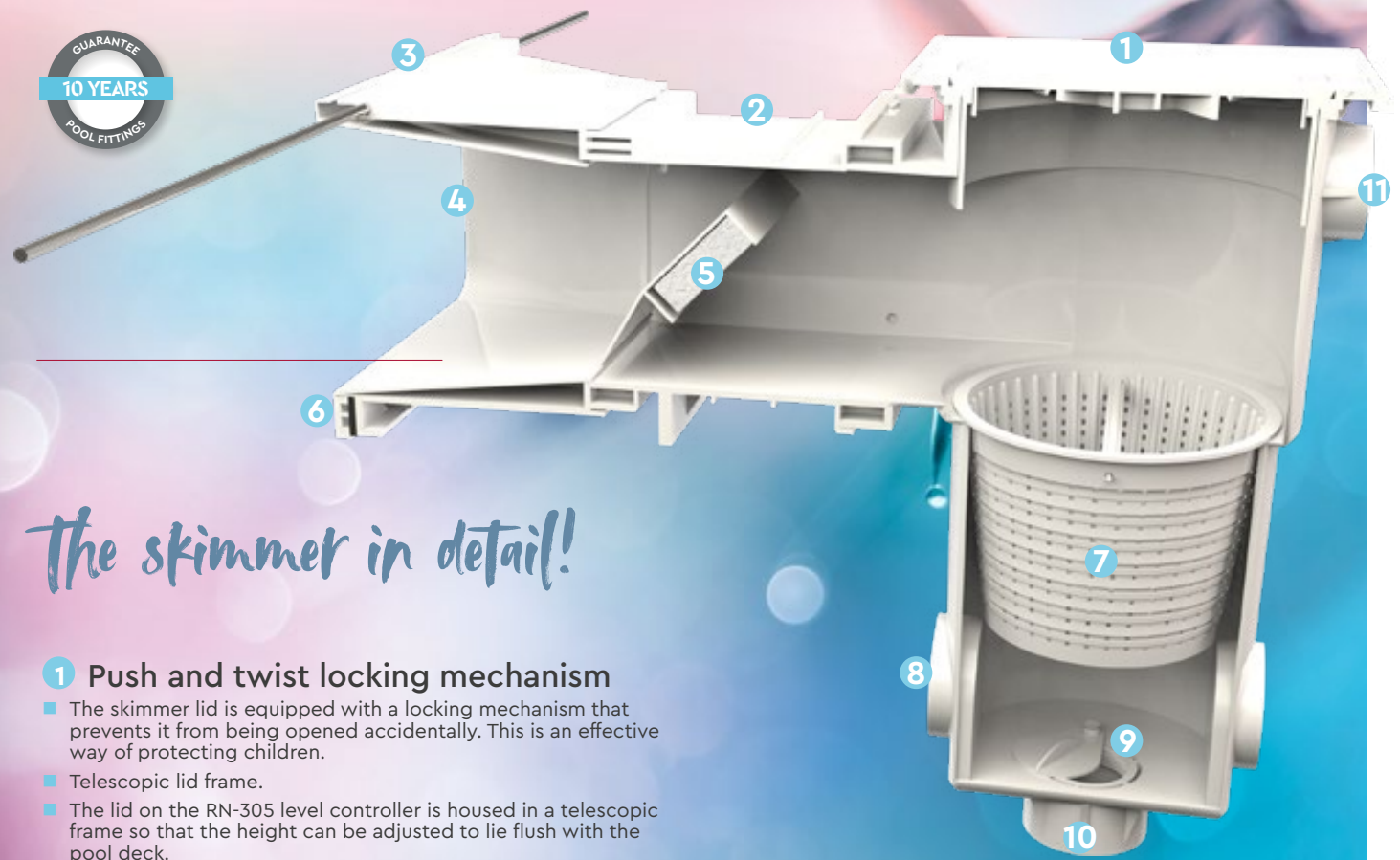
- By packing SL-119 (liner) and SB-118 (concrete) skimmers in boxes of two, the price of the skimmers is reduced by 10 %.



Choice and harmony throughout the range!

- Color skimmers are available in 11 colours: Light blue, Grey blue, Dark blue, Marine blue, Mint, Clay, Beige, Taupe, Grey, Anthracite grey and Black.





The skimmer in detail!

1 Push and twist locking mechanism

- The skimmer lid is equipped with a locking mechanism that prevents it from being opened accidentally. This is an effective way of protecting children.
- Telescopic lid frame.
- The lid on the RN-305 level controller is housed in a telescopic frame so that the height can be adjusted to lie flush with the pool deck.

2 Wide choice of horizontal depths

- The modular design of the skimmer allows the length of the skimmer throat to be adjusted between 20 and 457 mm, so that it can be adapted to suit any configuration (pool coping, automatic cover pit, etc.).

3 Choice of skimmer mouths

- Skimmers can be fitted with a standard skimmer mouth, or a wide skimmer mouth, depending on requirements.

4 Face plate trim

- A face plate clips onto the skimmers to hide the skimmer flange and screws.

5 Weir damper

- The skimmer mouth is equipped with a stopper to lessen the noise made by the weir when the pool water is very agitated.

6 Pre-fix collar

- Skimmers feature a pre-fix collar to enable mounting on prefabricated pool structures.

7 Self-locking skimmer basket

- The basket is locked into place in the skimmer by means of a bayonet, push and twist locking mechanism. This prevents the basket from floating up when the filtration pump stops. The basket can be lined with a "Pool Bag" to improve filtration finesse.

8 Lateral outlet

- A 63 mm PVC spacer can be fitted here between the skimmer and the pool wall to further stabilise the skimmer's seating.

9 Flow regulator

- The body of the skimmer features a mobile flap to adjust the rate at which water is drawn into the skimmer.

10 Bottom outlet

- This 2" tapped outlet accepts a threaded adaptor socket (2"x 63 or 2"x 50) to connect the skimmer to the filtration system. These adaptor sockets are cheaper than tapped sockets of the same dimensions. The 1 1/2" threading is used to install a gizmo (protects the skimmers against freezing).

11 50 mm overflow

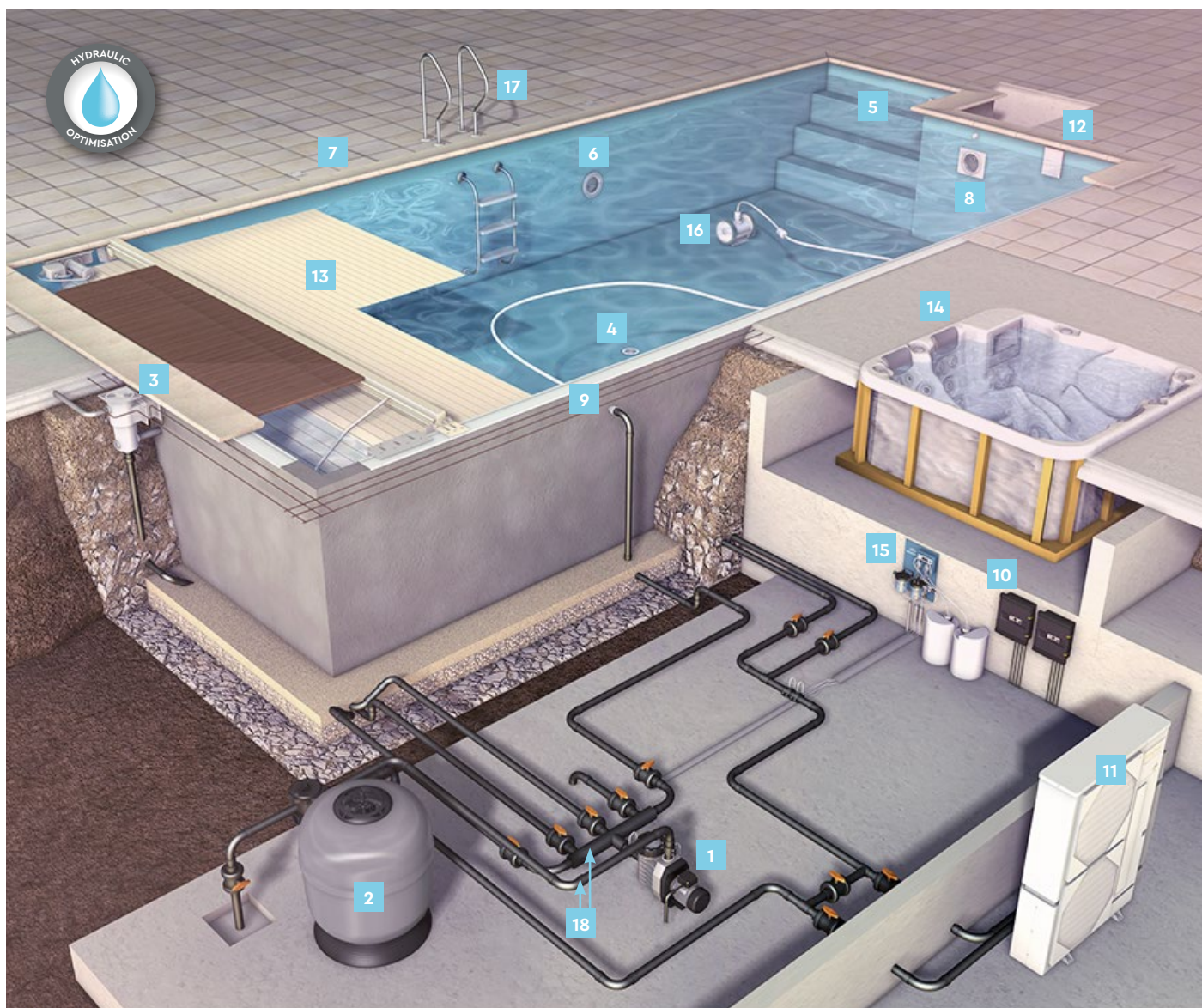
- This may be connected to waste with standard 50 mm PVC pipes used for filtration. Evacuates water very efficiently in the event of heavy rain.
- The overflow is sealed by a disc that may be pierced at one of several circular indentations allowing the height of the overflow to be altered in 5 mm increments.

Wondering how to give an ageing pool a new lease of life?

- The Color Renovation range offers a choice of trims that clip simply onto existing pool fittings to lift and relook any ageing pool.
- Directional jets, main drain flange and grating, vacuum point caps, skimmer throat trims and face plates, underwater lights guts packs and face plates.

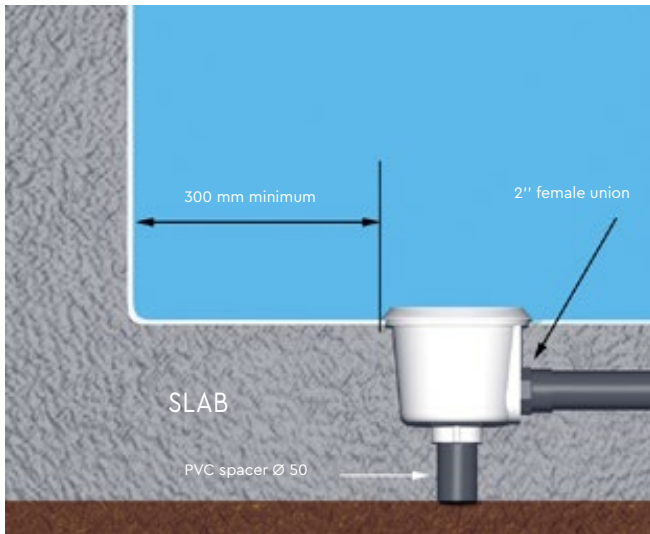


HYDRAULIC CIRCUIT

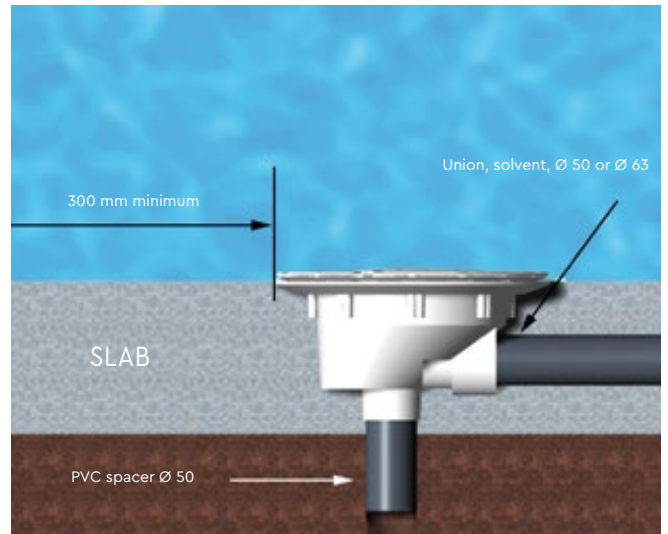


- | | |
|--|--|
| <p>1 Self-priming pump with prefilter – Eurostar</p> <p>2 Filter with 6-way valve – BWT RTM HF</p> <p>3 Skimmer, recommended flow rate for each skimmer:</p> <ul style="list-style-type: none"> ■ between 3 and 8 m³/h with a Ø 50 mm port ■ between 5 and 12 m³/h with a Ø 63 mm port <p>4 Dual function main drain:</p> <ul style="list-style-type: none"> ■ filtration suction (recommended 30% of the recycling volume) ■ draining the pool <p>5 Return fitting with or without directional jet. Recommended flow rate per return fitting:</p> <ul style="list-style-type: none"> ■ between 3 and 8 m³/h with a Ø 50 mm port ■ between 5 and 12 m³/h with a Ø 63 mm port <p>6 Very low voltage underwater light (300 W – 12 V)</p> <p>7 Deck box</p> <p>8 Counterswim unit – BADU Jet Wave</p> | <p>9 Vacuum point</p> <p>10 Electrical panel – BWT Swimline</p> <p>11 Heat pump – BWT M.P.I.</p> <p>12 Level controller</p> <p>13 Submerged automatic cover – BWT Coverdeck</p> <p>14 BWT Spa – ST 4.31</p> <p>15 Automatic regulation Cl and pH – Regul System Emec-E</p> <p>16 Automatic cleaner – Victor 2 wheels</p> <p>17 Ladder – Rambouillet</p> <p>18 Suction and return manifold and large radius elbow</p> |
|--|--|

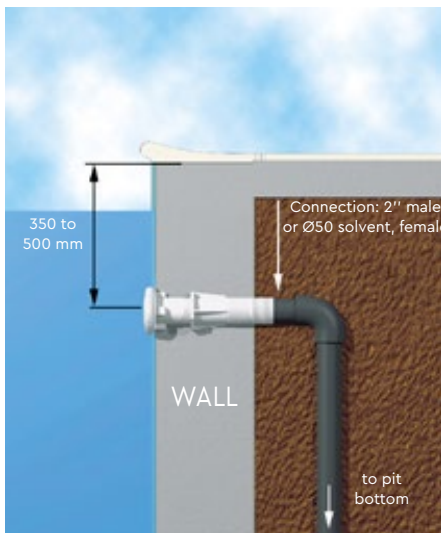
MAIN DRAIN BL-211/ BB-210



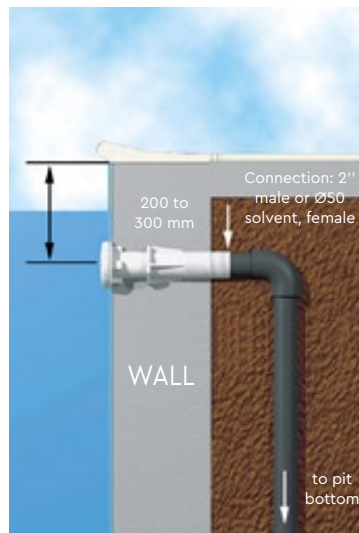
MAIN DRAIN BL-311/ BB-310



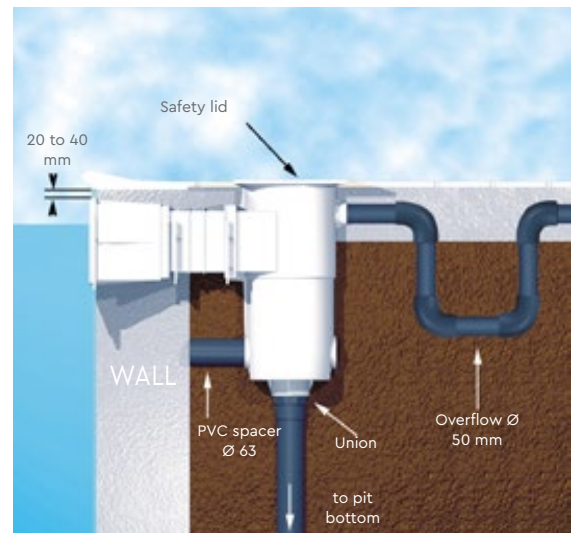
RETURN FITTING



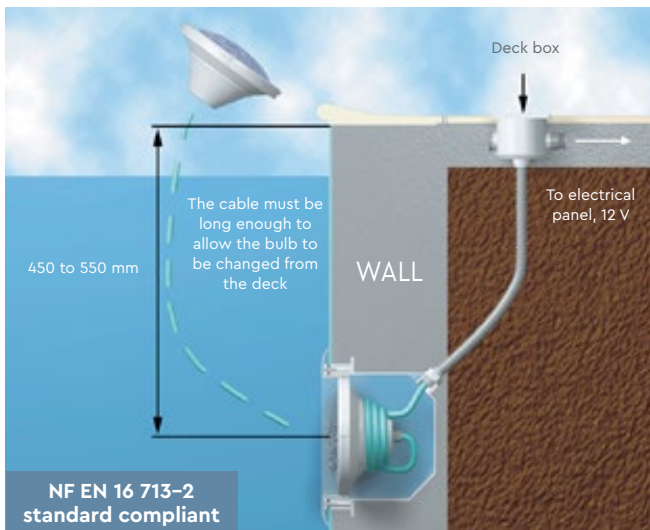
VACUUM POINT



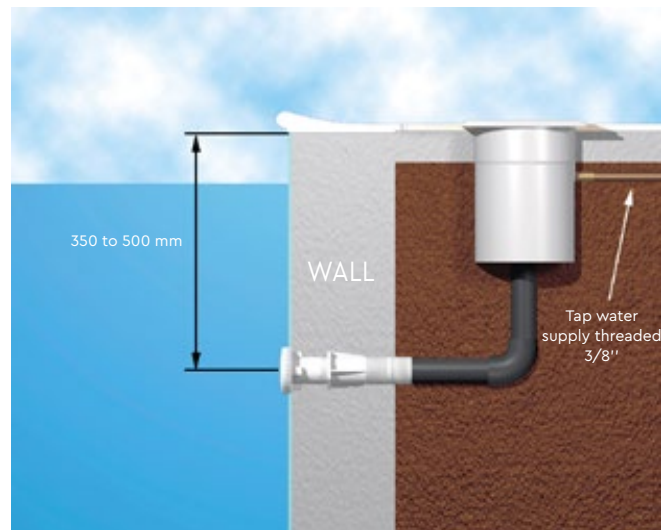
SKIMMER



UNDERWATER LIGHT



LEVEL CONTROLLER



+



Mirror skimmer

a PROCOPI EXCLUSIVE!






+

PROCOPI TOP TIP



For all skimmers, remember to use the 2" M63/F50 union, code 1364051 "adapter nipple"



+

The pipe descending from the bottom of the skimmer must be rigid, all the way to the floor of the excavation.

	Code	Reference	Description	Price
1	40031000	SL-111-M	Skimmer, small mouth, standard, liner pools	
2	40041000	SL-115-M	Skimmer, small mouth + extension throat, liner pools	
3	40051000	SL-117-M	Skimmer, wide mouth, standard, liner pools	
4	40061000	SL-119-M	Skimmer wide mouth + extension throat, liner pools	
	40061200	SL-119-M-2	Skimmer wide mouth + extension throat, liner pools	Price per box of 2
	40061200	SL-119-M-2	Skimmer wide mouth + extension throat, liner pools	12 boxes, price per box of 2
5	40071200	SL-119-CA-M-2	Skimmer, wide mouth + 2 extension throats, liner (Stardeck)	Price per box of 2
6	40067000	SL-119-M-MR	Mirror skimmer, liner, wide mouth + extension throat	
	40077200	SL-119-CA-M-MR-2	Mirror skimmer, wide mouth + 2 extension throats, liner (Stardeck)	Price per box of 2


*Information available on procopi.com



BWT THROUGHWALL FLANGES & RETURN FITTINGS

Family 2100



+ Particularly suited to hydraulic circuits with a cartridge filter.  **6**

	Code	Reference	Description	Price
1	43600000	TP-250	Throughwall flange. 250mm. 2" tapped and 50 mm solvent	
2	43000000	TP-240	Universal throughwall flange. 250mm	
3	43020000	TP-270	Throughwall flange. 250 mm. with liner nozzle + jet	
	43020000	TP-270	Throughwall flange. 250 mm. with liner nozzle + jet	Box of 40. per unit
lids and lid housing				
4	42030000	RL-315	Return fitting 2" threaded 50mm solvent with directional jet	
	42030000	RL-315	Return fitting 2" threaded 50mm solvent with directional jet	Box of 40. per unit
5	42000000	RL-311	Return fitting. liner pool. fitting only	
6	42225000	RL315-JO12	Return fitting 2" threaded. 50mm solvent. with 12 mm directional jet	

BWT THROUGHWALL FLANGES & VACUUM POINTS

Family 2100



	Code	Reference	Description	Price
7	43030000	TP-271	Throughwall flange, 250 mm, with integrated vacuum point and blanking cap	
lids and lid housing				
8	42060000	RL-323	Vacuum point with blanking cap, liner pool	
	42060000	RL-323	Vacuum point with blanking cap, liner pool	Per box of 40, per unit

BWT MAIN DRAINS

Family 2100



	Code	Reference	Description	Price
9	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	
	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	Set of 4, per unit
	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	Set of 10, per unit
10	41015090	BL-311-I	Main drain, lateral outlet Ø 50 or 63, solvent, SS grate, panel pools	
	41012000	BL-211	Main drain, 2 outlets (2" and 50 mm solvent), panel pools	
11	41013000	BL-211-L	Main drain, 2 outlets (2" and 1"1/2), with cap and seal, panel pools	

BWT LED UNDERWATER LIGHTS

Family 2100



	Code	Reference	Description	Price
	44006000	PL-07V-M	Underwater light with white LEDs, 18 W - 12 V, screw fitting	
	44006000	PL-07V-M	Underwater light with white LEDs, 18 W - 12 V, screw fitting	Set of 6, per unit
1	44005000	PL-06V-M	Underwater light with colour LEDs, 18 W - 12 V	
	44036000	PL-07B-M	Projecteur liner orientable à LED blanches, 13,5 W - 12 V	
2	44035000	PL-06B-M	Directional underwater light with colour LEDs, 18 W - 12 V	
3	44075000	PL-10-M	Underwater light to be mounted in a return fitting, white LED 3 W - 12 V	

HALOGEN UNDERWATER LIGHTS

Family 2100



Code	Reference	Description	Price
44050000	PH-04	Halogen UW light, 50 Watts, 12V, with niche + cable duct, concrete pools	

BWT DECK BOXES

Families 2100 & 2105



+ The two component gel efficiently insulates connections inside the deck box.
 Protection rating: IP68
 Curing time: approximately 15 minutes at 25°C.
 The gel can easily be removed to allow access to the connections.

	Code	Reference	Description	Price
4	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 4, per unit
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 20, per unit
5	45000500	BC-84-S	Universal deck box, 2 outlets, 1 inlet - Beige	
6	45000800	BC-84-G	Universal deck box, 2 outlets, 1 inlet - Grey	
7	45000700	BC-84-GA	Universal deck box, 2 outlets, 1 inlet - Anthracite grey	
8	8492300	-	Pouch of two-component gel, 500 ml	
	45000050	-	Cable glands + o-rings/Deck box, set of 5	

+ The deck boxes allow connections to be made using 1.5 mm² cables (LED bulb).

BWT LEVEL CONTROLLERS, LIDS AND LID HOUSING 

Families 2100 & 2105



+ The RN-405 level controller is not compatible with pools fitted with mirror skimmers.

	Code	Reference	Description	Price
1	46000000	RN-305	Mechanical float level controller, adjustable	
	46000000	RN-305	Mechanical float level controller, adjustable	Set of 4, per unit
2	46001000	RN-405	Mechanical float level controller, adjustable, new model	
Lids and lid housing				
3	40061500	-	Skimmer lid and lid housing - Beige	
4	40061800	-	Skimmer lid and lid housing - Grey	
5	40061700	-	Skimmer lid and lid housing - Anthracite grey	

BWT RETURN FITTINGS 2" AND 3" 

Family 2100



	Code	Reference	Description	Price
6	42010000	RL-319	Return fitting with grate, Ø 63 solvent, liner pool	
7	42019000	RL-320	Bottom return, M 2", F 1"1/2, liner pool	
8	42020000	RL-303	Return fitting with grate, Ø 90 solvent, liner pool	


+
PROCOPI TOP TIP





Read the recommendations concerning LED underwater lights with power supply transformers, "Our LED bulbs".


Light blue	Blue grey	Dark blue	Marine blue	Clay
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BWT Mirror skimmer, wide mouth+extension throat					
	40067081	40067092	40067082	40067094	40067095
	SL-119-MR-BC	SL-119-MR-BG	SL-119-MR-BF	SL-119-MR-OM	SL-119-MR-A



BWT Skimmer, wide mouth + extension throat					
	40061081	40061092	40061082	40061094	40061095
	SL-119-M-BC	SL-119-M-BG	SL-119-M-BF	SL-119-M-OM	SL-119-M-A



BWT Throughwall flange/return fitting, 250 mm, with liner nozzle + jet					
	43020081	43020092	43020082	43020094	43020095
	TP-270-BC	TP-270-BG	TP-270-BF	TP-270-OM	TP-270-A



BWT Return fitting, 2" threaded - 50 mm solvent, with directional jet					
	42030081	42030092	42030082	42030094	42030095
A	RL-315-BC	RL-315-BG	RL-315-BF	RL-315-OM	RL-315-A


BWT Throughwall flange, 250 mm, with integrated vacuum point and cap					
	43030081	43030092	43030082	43030094	43030095
	TP-271-BC	TP-271-BG	TP-271-BF	TP-271-OM	TP-271-A

BWT Vacuum point with blanking cap					
	42060081	42060092	42060082	42060094	42060095
	RL-323-BC	RL-323-BG	RL-323-BF	RL-323-OM	RL-323-A

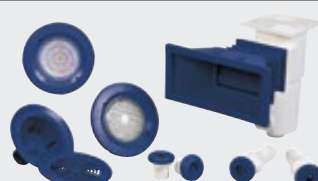
BWT Colour LED UW light, 16 w - 12 V, screw fitting, liner pools 					
	44005081	44005092	44005082	44005094	44005095
	PL-06V-M-BC	PL-06V-M-BG	PL-06V-M-BF	PL-06V-M-OM	PL-06V-M-A

BWT White LED underwater light, 13.5 w - 12 V, screw fitting, liner pools 					
	44006081	44006092	44006082	44006094	44006095
	PL-07V-M-BC	PL-07V-M-BG	PL-07V-M-BF	PL-07V-M-OM	PL-07V-M-A

BWT Underwater light to be mounted in return fitting, white leds, 3 W - 12V 					
	44075081	44075092	44075082	44075094	44075095
	PL-10-M-BC	PL-10-M-BG	PL-10-M-BF	PL-10-M-OM	PL-10-M-A

BWT Main drain with lateral outlet Ø 50 mm or 63 mm, solvent					
	41015081	41015092	41015082	41015094	41015095
	BL-311-BC	BL-311-BG	BL-311-BF	BL-311-OM	BL-311-A

+ PROCOPI TOP TIP



The colours of the pool fittings are matched to the colours of the liners and reinforced membranes. They do not refer to RAL colours..

*Information available on procopi.com



Mint	Beige	Taupe	Grey	Anthracite grey	Black	Price
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BWT Mirror skimmer, wide mouth+extension throat

40067093	40067085	40067091	40067088	40067087	40067089	
SL-119-MR-M	SL-119-MR-SA	SL-119-MR-T	SL-119-MR-GR	SL-119-MR-GA	SL-119-MR-N	

BWT Skimmer, wide mouth + extension throat

40061093	40061085	40061091	40061088	40061087	40061089	
SL-119-M-M	SL-119-M-SA	SL-119-M-T	SL-119-M-GR	SL-119-M-GA	SL-119-M-N	

BWT Throughwall flange/return fitting, 250 mm, with liner nozzle + jet

43020093	43020085	43020091	43020088	43020087	43020089	
TP-270-M	TP-270-SA	TP-270-T	TP-270-GR	TP-270-GA	TP-270-N	

BWT Return fitting, 2" threaded – 50 mm solvent, with directional jet

42030093	42030085	42030091	42030088	42030087	42030089	
RL-315-M	RL-315-SA	RL-315-T	RL-315-GR	RL-315-GA	RL-315-N	

BWT Throughwall flange, 250 mm, with integrated vacuum point and cap

43030093	43030085	43030091	43030088	43030087	43030089	
TP-271-M	TP-271-SA	TP-271-T	TP-271-GR	TP-271-GA	TP-271-N	

BWT Vacuum point with blanking cap

42060093	42060085	42060091	42060088	42060087	42060089	
RL-323-M	RL-323-SA	RL-323-T	RL-323-GR	RL-323-GA	RL-323-N	

BWT Colour LED UW light, 16 w – 12 V, screw fitting, liner pools

44005093	44005085	44005091	44005088	44005087	44005089	
PL-06V-M-M	PL-06V-M-SA	PL-06V-M-T	PL-06V-M-GR	PL-06V-M-GA	PL-06V-M-N	

BWT White LED underwater light, 13.5 w – 12 V, screw fitting, liner pools

44006093	44006085	44006091	44006088	44006087	44006089	
PL-07V-M-M	PL-07V-M-SA	PL-07V-M-T	PL-07V-M-GR	PL-07V-M-GA	PL-07V-M-N	

BWT Underwater light to be mounted in return fitting, white leds, 3 W – 12 V

44075093	44075085	44075091	44075088	44075087	44075089	
PL-10-M-M	PL-10-M-SA	PL-10-M-T	PL-10-M-GR	PL-10-M-GA	PL-10-M-N	

BWT Main drain with lateral outlet Ø 50 mm or 63 mm, solvent

41015093	41015085	41015091	41015088	41015087	41015089	
BL-311-M	BL-311-SA	BL-311-T	BL-311-GR	BL-311-GA	BL-311-N	

*Information available on procopi.com

Mirror skimmer

a PROCOPI EXCLUSIVE!



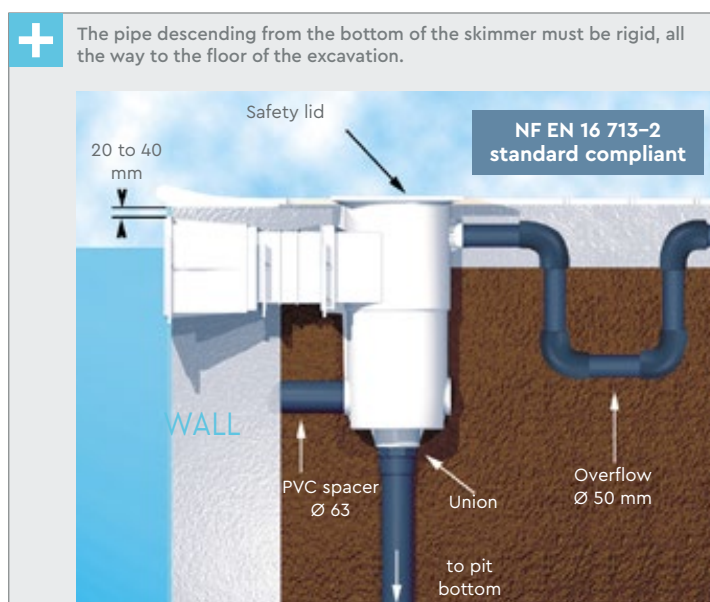
	Code	Reference	Description	Price
1	40620000	SB-100	Skimmer, small mouth no extension throat, concrete pools	
2	40630000	SB-110	Skimmer, small mouth, standard, concrete pools	
3	40650000	SB-116	Skimmer, wide mouth, standard, concrete pools	
4	40660000	SB-118	Skimmer, wide mouth + extension throat, concrete pools	
	40660200	SB-118-2	Skimmer, wide mouth + extension throat, concrete pools	
	40660200	SB-118-2	Skimmer, wide mouth + extension throat, concrete pools	12 boxes
5	40666000	SB-118-MR	Mirror skimmer, wide mouth + extension throat, concrete pools	

For the automatic cover version of the skimmers, please refer to page 30

+

PROCOPI TOP TIP

For all skimmers, remember to use the 2" M63/F50 union, code 1364051 "adapting nipple"



*Information available on procopi.com

BWT THROUGHWALL FLANGES & RETURN FITTINGS

Family 2100



+ The return fittings 5 and 6 are designed to be glued directly into a PN10 tube with a diameter of 50 or 63 mm.



	Code	Reference	Description	Price
1	43600000	TP-250	Throughwall flange, 250mm, 2" tapped and 50 mm solvent	
2	43620000	TP-260	Throughwall fitting, 250mm, with return fitting (concrete) and directional jet,	
	43620000	TP-260	Throughwall fitting, 250 mm, with return fitting (concrete) and directional jet	box of 20, per unit
3	42630000	RB-310	Return fitting, 2" threaded 50 mm solvent, with directional jet	
	42630000	RB-310	Return fitting, 2" threaded 50 mm solvent, with directional jet	box of 20, per unit
4	42600000	RB-309	Return fitting, 2" threaded 50 mm solvent, fitting only, concrete pools	
5	42635000	RB-304	Return fitting, 45.2/50mm solvent male, pipe PN 10,with directional jet, concrete pools	
6	42636000	RB-306	Return fitting, 57/63mm solvent male, pipe PN 10,with directional jet, concrete pools	

BWT THROUGHWALL FLANGES & VACUUM POINTS

Family 2100



+ Pool fittings 9 and 10 are designed to be glued directly into a PN10 pipe with a diameter of 50 or 63mm.



	Code	Reference	Description	Price
7	43630000	TP-261	Throughwall flange, 250mm, with integrated vacuum fitting and cap	
8	42660000	RB-312	Vacuum point with cap, concrete pool	
	42660000	RB-312	Vacuum point with cap, concrete pool	Per box of 20, per unit
9	42665000	RB-314	Vacuum point, 42.5/50 male, pipe PN 10, with swivelling hose tail	
10	42666000	RB-316	Vacuum point, 57/63 male, pipe PN 10, with swivelling hose tail	

BWT MAIN DRAINS

Family 2100



	Code	Reference	Description	Price
11	41614000	BB-310	Main drain with lateral outlet Ø 50 mm or 63 mm, solvent	
	41614000	BB-310	Main drain with lateral outlet Ø 50 mm or 63 mm, solvent	Set of 4, per unit
	41614000	BB-310	Main drain with lateral outlet Ø 50 mm or 63 mm, solvent	Set of 10, per unit
12	41614090	BB-310-I	Main drain with lateral outlet Ø50 or Ø63, solvent, concrete, SS grate	
	41610000	BB-210	Main drain BB-210	
13	41611000	BB-210-L	Main drain, 2 outlets (2" and 1"1/2), concrete, with cap and seal	

BWT LED UNDERWATER LIGHTS

Family 2100



	Code	Reference	Description		Price
1	44606000	PB-07V	White LED UW light for concrete pools, 18 W - 12 V, screw fitting •		
2	44605000	PB-06V	Colour LED UW light for concrete pools, 18 W - 12 V, screw fitting		
3	44636000	PB-07B	Directional UW light for concrete pools, white LEDs, 13.5 W - 12 V		
4	44635000	PB-06B	Directional UW light for concrete pools, colour LEDs, 16 W - 12 V		
5	44675000	PB-10	UW light to be mounted in a return fitting, white 3W LEDs, 3W-12V		

HALOGEN UNDERWATER LIGHTS

Family 2100



Code	Reference	Description	Price
44050000	PH-04	Halogen UW light, 50 Watts, 12V, with niche + cable duct, concrete pools	

BWT DECK BOXES

Families 2100 & 2105



+ The two component gel efficiently insulates connections inside the deck box. Protection rating: IP68 Curing time: approximately 15 minutes at 25°C. The gel can easily be removed to allow access to the connections.

	Code	Reference	Description	Price
6	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 4, per unit
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 20, per unit
7	45000500	BC-84-S	Universal deck box, 2 outlets, 1 inlet - Beige	
8	45000800	BC-84-G	Universal deck box, 2 outlets, 1 inlet - Grey	
9	45000700	BC-84-GA	Universal deck box, 2 outlets, 1 inlet - Anthracite grey	
10	8492300	-	Pouch of two-component gel, 500 ml	
	45000050	-	Cable glands + o-rings/Deck box, set of 5	

+ The deck boxes allow connections to be made using 1.5 mm² cables (LED bulb).

*Information available on procopi.com

BWT LEVEL CONTROLLERS 

Families 2100 & 2105



+ The RN-405 level controller is not compatible with pools fitted with mirror skimmers.

	Code	Reference	Description	Price
1	46000000	RN-305	Mechanical float level controller, adjustable	
	46000000	RN-305	Mechanical float level controller, adjustable	Set of 4, per unit
2	46001000	RN-405	Mechanical float level controller, adjustable, new model	
Lids and lid housing				
3	40061500	-	Skimmer lid and lid housing - Beige	
4	40061800	-	Skimmer lid and lid housing - Grey	
5	40061700	-	Skimmer lid and lid housing - Anthracite grey	

BWT RETURN FITTINGS 2" AND 3" 


Family 2100



	Code	Reference	Description	Price
6	42610000	RB-318	Return fitting with grate, Ø 63 solvent, concrete pools	
7	42619000	RB-317	Bottom return fitting, male 2", female 1"1/2, concrete pools	
8	42620000	RB-302	Return fitting with grate, Ø 90, solvent, concrete pools	
9	42621000	RB-302V	Return fitting with grate, 3" threaded, concrete pools	

+

PROCOPI TIP



Read the recommendations concerning LED underwater lights with power supply transformers, "Our LED bulbs".

BWT SKIMMERS

Family 2100



1



2

Panel thickness 10mm



3

Panel thickness 10mm



4

Panel thickness 10mm

+ PROCOPI TOP TIP

For all skimmers, remember to use the 2" M63/F50 union, code 1364051 "adapter nipple"

Mirror skimmer
a PROCOPI EXCLUSIVE!

5

	Code	Reference	Description	Price
1	40241000	SL-115-P	Skimmer, small mouth + extension throat, liner pools	
2	40251000	SL-117-P	Skimmer, wide mouth, standard, liner pools	
3	40261000	SL-119-P	Skimmer, wide mouth + extension throat, liner pools	
	40261200	SL-119-P-2	Skimmer, wide mouth + extension throat, liner pools	Per box of 2
	40261200	SL-119-P-2	Skimmer, wide mouth + extension throat, liner pools	12 boxes, set of 2 per unit
4	40262200	SL-119-P-2P-2	Skimmer, wide mouth + extension throat, 2 parts, liner pools	Per box of 2
5	40267000	SL-119-P-MR	Mirror skimmer, wide mouth + extension throat, liner pools	

+ The pipe descending from the bottom of the skimmer must be rigid, all the way to the floor of the excavation.

BWT RETURN FITTINGS

Family 2100



6



7



8

	Code	Reference	Description	Price
6	42200000	RL-313	Return fitting only, with barrel union and seal, liner pools	
7	42230000	RL-321	Return fitting with barrel union, liner pools	
	42230000	RL-321	Return fitting with barrel union, liner pools	Per box of 20, per unit
8	42231000	RL-332	Return fitting with insert and jet and barrel union, liner pools	

BWT VACUUM FITTINGS

Family 2100



9



10

	Code	Reference	Description	Price
9	42260000	RL-325	Vacuum point for panel pools with cap and nut	
	42260000	RL-325	Vacuum point for panel pools with cap and nut	Per box of 20, per unit
10	42261000	RL-336	Vacuum point for panel pools with insert, cap and barrel union	

*Information available on procopi.com

BWT LEVEL CONTROLLERS 

Families 2100 & 2105

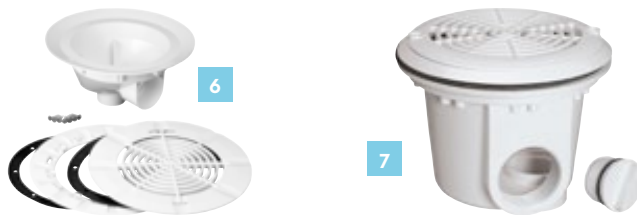


+ The RN-405 level controller is not compatible with pools fitted with mirror skimmers.

	Code	Reference	Description	Price
1	46000000	RN-305	Mechanical float level controller, adjustable	
	46000000	RN-305	Mechanical float level controller, adjustable	Set of 4, per unit
2	46001000	RN-405	Mechanical float level controller, adjustable, new model	
Lids and lid housing				
3	40061500	-	Sskimmer lid and lid housing - Beige	
4	40061800	-	Skimmer lid and lid housing - Grey	
5	40061700	-	Skimmer lid and lid housing - Anthracite grey	

BWT MAIN DRAINS 

Family 2100



	Code	Reference	Description	Price
6	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	
	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	Set of 4, per unit
	41015000	BL-311	Main drain, lateral outlet Ø 50 mm or 63 mm, solvent	Set of 10, per unit
	41015090	BL-311-L	Main drain, lateral outlet Ø 50 or 63, solvent, SS grate, liner pools	
	41012000	BL-211	Main drain, 2 outlets (2" and 50 mm solvent), liner pools	
7	41013000	BL-211-L	Main drain, 2 outlets (2" and 1"1/2), with cap and seal, liner pools	

BWT LED UNDERWATER LIGHTS

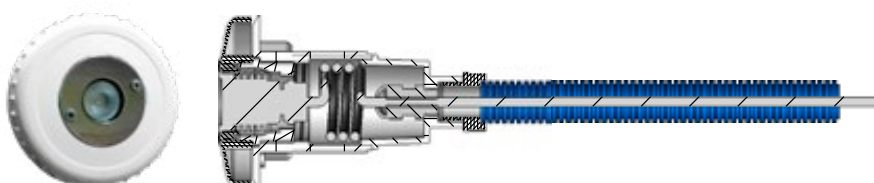
Family 2100



	Code	Reference	Description	Price
	44206000	PL-07V-P	White LED underwater light for panel pools, 13.5 W - 12 V, screw fitting	
1	44205000	PL-06V-P	Colour LED underwater light for panel pools, 16 W - 12 V screw fitting	

BWT LED UNDERWATER LIGHT TO BE MOUNTED IN A RETURN FITTING

Family 2100



	Code	Reference	Description	Price
	44275000	PL-10-P	UW light to be mounted in a return fitting, white 3W LEDs, 3W-12V, panel pools	

BWT DECK BOXES

Families 2100 & 2105



+ The two component gel efficiently insulates connections inside the deck box.
 Protection rating: IP68
 Curing time: approximately 15 minutes at 25°C.
 The gel can easily be removed to allow access to the connections.

	Code	Reference	Description	Price
2	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 4, per unit
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 20, per unit
3	45000500	BC-84-S	Universal deck box, 2 outlets, 1 inlet - Beige	
4	45000800	BC-84-G	Universal deck box, 2 outlets, 1 inlet - Grey	
5	45000700	BC-84-GA	Universal deck box, 2 outlets, 1 inlet - Anthracite grey	
6	8492300	-	Pouch of two-component gel, 500 ml	
	45000050	-	Cable glands + o-rings/Deck box, set of 5	

+ The deck boxes allow connections to be made using 1.5 mm² cables (LED bulb).

+

PROCOPI TOP TIP

Read the recommendations concerning LED underwater lights with power supply transformers, "Our LED bulbs".

*Information available on procopi.com

BWT SKIMMERS 

Family 2100

Code	Reference	Description	Price
40069000	SL-119-MI	Skimmer, wide mouth + extension throat, with insert	
40069200	SL-119-MI	Skimmer, wide mouth + extension throat, with insert	Box of 2
40065000	SL-119-MI-MR	Skimmer, wide mouth + extension throat, with insert	

+ The pipe descending from the bottom of the skimmer must be rigid, all the way to the floor of the excavation.

BWT THROUGHWALL FLANGES & RETURN FITTINGS 

Family 2100



Code	Reference	Description	Price
42329000	RLI-337	Return fitting masonry/liner, with insert	

BWT THROUGHWALL FLANGES & VACUUM POINTS 

Family 2100



Code	Reference	Description	Price
42061000	RLI-338	Vacuum point, masonry/liner, with insert	

BWT MAIN DRAINS 



Family 2100



Code	Reference	Description	Price
41019000	BLI-311	Main drain, masonry/liner, lateral outlet Ø50 or Ø63, solvent, with insert	

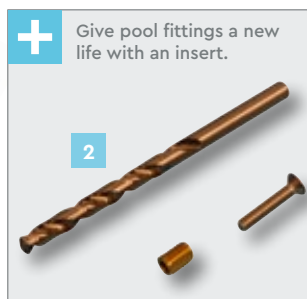
BWT LED UNDERWATER LIGHTS 

Family 2100

Code	Reference	Description	Price
44007000	PL07V-MI	White LED underwater light, masonry/liner, with insert, 13.5 W - 12V 	
44008000	PL06V-MI	Colour LED underwater light, masonry/liner, with insert, 16 W - 12V 	

TOOLS FOR POOL FITTINGS WITH INSERTS MAIN DRAINS

Family 2100



+ Give pool fittings a new life with an insert.

	Code	Description	Price
1	48059050	6 mm hollow punch	
2	48090000	Renovation kit for pool fittings	

+ Pool fittings with brass inserts are compatible with all types of pools: masonry/ liner, concrete, panels, polyester shell, wooden pools and above-ground pools. In the case of pools fitted with a 1.5 mm reinforced membrane, perforate the membrane using a 6 mm hole punch.



Light blue	Blue grey	Dark blue	Marine blue	Clay
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BWT Wide mouth mirror skimmer + extension throat, Panel pools

	40267081	40267092	40267082	40267094	40267095
	SL-119-P-MR-BC	SL-119-P-MR-BG	SL-119-P-MR-BF	SL-119-P-MR-OM	SL-119-P-MR-AR

BWT Wide mouth Skimmer + extension throat, Panel pools

	40261081	40261092	40261082	40261094	40261095
	SL-119-P-BC	SL-119-P-BG	SL-119-P-BF	SL-119-P-OM	SL-119-P-AR

BWT Return fitting with jet and nut, panel pools

	42230081	42230092	42230082	42230094	42230095
	RL-321-BC	RL-321-BG	RL-321-BF	RL-321-OM	RL-321-AR

BWT Return fitting with insert and jet, with nut, panel pools

	42231081	42231092	42231082	42231094	42231095
	RL-332-BC	RL-332-BG	RL-332-BF	RL-332-OM	RL-332-AR

BWT Vacuum point with cap and nut, panel pools

	42260081	42260092	42260082	42260094	42260095
	RL-325-BC	RL-325-BG	RL-325-BF	RL-325-OM	RL-325-AR

BWT Vacuum point with insert, cap and nut, panel pools

	42261081	42261092	42261082	42261094	42261095
	RL-336-BC	RL-336-BG	RL-336-BF	RL-336-OM	RL-336-AR

BWT Colour LED underwater lights, panel pools, 13.5 W - 12 V, screw fittings

	44205081	44205092	44205082	44205094	44205095
	PL-06V-P-BC	PL-06V-P-BG	PL-06V-P-BF	PL-06V-P-OM	PL-06V-P-AR

BWT White LED underwater lights, panel pools, 16 W - 12 V, screw fittings

	44206081	44206092	44206082	44206094	44206095
	PL-07V-P-BC	PL-07V-P-BG	PL-07V-P-BF	PL-07V-P-OM	PL-07V-P-AR

BWT Underwater light to be mounted in a return fitting, white LEDs, 3 W - 12 V

	44275081	44275092	44275082	44275094	44275095
	PL-10-P-BC	PL-10-P-BG	PL-10-P-BF	PL-10-P-OM	PL-10-P-AR




BWT Main drain with lateral outlet Ø 50 mm or 63 mm, solvent, panel pools

	41015081	41015092	41015082	41015094	41015095
	BL-311-BC	BL-311-BG	BL-311-BF	BL-311-OM	BL-311-AR

+ The return fittings and vacuum points face plates, as well as every part of the main drain, are coloured.





Mint	Beige	Taupe	Grey	Anthracite grey	Black	Price
BWT Wide mouth mirror skimmer + extension throat, Panel pools						
40267093	40267085	40267091	40267088	40267087	40267089	
SL-119-P-MR-M	SL-119-P-MR-SA	SL-119-P-MR-TA	SL-119-P-MR-GR	SL-119-P-MR-GA	SL-119-P-MR-N	
BWT Wide mouth Skimmer + extension throat, Panel pools						
40261093	40261085	40261091	40261088	40261087	40261089	
SL-119-P-M	SL-119-P-SA	SL-119-P-TA	SL-119-P-GR	SL-119-P-GA	SL-119-P-N	
BWT Return fitting with jet and nut, panel pools						
42230093	42230085	42230091	42230088	42230087	42230089	
RL-321-M	RL-321-SA	RL-321-TA	RL-321-GR	RL-321-GA	RL-321-N	
BWT Return fitting with insert and jet, with nut, panel pools						
42231093	42231085	42231091	42231088	42231087	42231089	
RL-332-M	RL-332-SA	RL-332-TA	RL-332-GR	RL-332-GA	RL-332-N	
BWT Vacuum point with cap and nut, panel pools						
42260093	42260085	42260091	42260088	42260087	42260089	
RL-325-M	RL-325-SA	RL-325-TA	RL-325-GR	RL-325-GA	RL-325-N	
BWT Vacuum point with insert, cap and nut, panel pools						
42261093	42261085	42261091	42261088	42261087	42261089	
RL-336-M	RL-336-SA	RL-336-TA	RL-336-GR	RL-336-GA	RL-336-N	
BWT Colour LED underwater lights, panel pools, 13.5 W - 12 V, screw fittings 						
44205093	44205085	44205091	44205088	44205087	44205089	
PL-06V-P-M	PL-06V-P-SA	PL-06V-P-TA	PL-06V-P-GR	PL-06V-P-GA	PL-06V-P-N	
BWT White LED underwater lights, panel pools, 16 W - 12 V, screw fittings 						
44206093	44206085	44206091	44206088	44206087	44206089	
PL-07V-P-M	PL-07V-P-SA	PL-07V-P-TA	PL-07V-P-GR	PL-07V-P-GA	PL-07V-P-N	
BWT Underwater light to be mounted in a return fitting, white LEDs, 3 W - 12 V 						
44275093	44275085	44275091	44275088	44275087	44275089	
PL-10-P-M	PL-10-P-SA	PL-10-P-TA	PL-10-P-GR	PL-10-P-GA	PL-10-P-N	
BWT Main drain with lateral outlet Ø 50 mm or 63 mm, solvent, panel pools						
41015093	41015085	41015091	41015088	41015087	41015089	
BL-311-M	BL-311-SA	BL-311-TA	BL-311-GR	BL-311-GA	BL-311-N	

BWT SKIMMERS

Family 2100

+ PROCOPI TOP TIP



With all skimmers, remember to use the 2" M63/ F50 adaptor nipple, code 1364051.



	Code	Reference	Description	Price
1	40451000	SL-117-C	Skimmer, standard wide mouth, polyester shell	
2	40461000	SL-119-C	Skimmer, wide mouth + extension throat, polyester shell	
	40461200	SL-119-C-2	Skimmer, wide mouth + extension throat, polyester shell	Price per box of 2
	40461200	SL-119-C-2	Skimmer, wide mouth + extension throat, polyester shell	12 boxes, price per box of 2
3	40441010	-	Extension ring for skimmers installed on polyester shell pools	

All skimmers for polyester shell pools are delivered with an ABS extension ring.

+ The pipe descending from the bottom of the skimmer must be rigid, all the way to the floor of the excavation.

BWT RETURN FITTINGS

Family 2100



	Code	Reference	Description	Price
4	42430000	RL-327	Return fitting, polyester shell, 2" and 50" solvent, with lock nut and jet	
	42430000	RL-327	Return fitting, polyester shell, 2" and 50" solvent, with lock nut and jet 20, per unit	
5	42400000	RL-326	Return fitting, bare, 2" and 50" solvent, with lock nut	

BWT VACUUM FITTINGS

Family 2100



	Code	Reference	Description	Price
6	42460000	RL-328	Vacuum point 2" and 50 mm, solvent with cap and nut, polyester shell	
	42460000	RL-328	Vacuum point 2" and 50 mm, solvent with cap and nut, polyester shell Box of 20, per unit	

BWT ANTI-VORTEX WALL SUCTION FITTINGS

Family 2100



Colour	White	Light blue	Dark blue	Beige	Grey	Anthracite	Black
PA-111-C							
CODE	41400000	41400081	41400082	41400085	41400088	41400087	41400089
PRICE							

The wall mounted suction fitting is equipped with an anti-vortex grating

BWT LEVEL CONTROLLERS

Families 2100 & 2105

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+ The RN-405 level controller is not compatible with pools fitted with mirror skimmers.

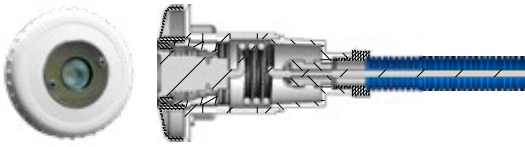


	Code	Reference	Description	Price
7	46000000	RN-305	Mechanical float level controller, adjustable	
	46000000	RN-305	Mechanical float level controller, adjustable	Set of 4, per unit
8	46001000	RN-405	Mechanical float level controller, adjustable, new model	
Lids and lid housing				
9	40061500	-	Skimmer lid and lid housing - Beige	
10	40061800	-	Skimmer lid and lid housing - Grey	
11	40061700	-	Skimmer lid and lid housing - Anthracite grey	



BWT LED UNDERWATER LIGHTS

Family 2100



Code	Reference	Description	Price
44475000	PL-10-C	UW light to be mounted in a return fitting, white 3W LEDs, 3W-12V, polyester shell	

BWT DECK BOXES

Families 2100 & 2105



+ The two component gel efficiently insulates connections inside the deck box.
 Protection rating: IP68
 Curing time: approximately 15 minutes at 25°C.
 The gel can easily be removed to allow access to the connections.

	Code	Reference	Description	Price
1	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 4, per unit
	45000000	BC-84	Universal deck box, 2 outlets and 1 inlet	Set of 20, per unit
2	45000500	BC-84-S	Universal deck box, 2 outlets, 1 inlet - Beige	
3	45000800	BC-84-G	Universal deck box, 2 outlets, 1 inlet - Grey	
4	45000700	BC-84-GA	Universal deck box, 2 outlets, 1 inlet - Anthracite grey	
5	8492300	-	Pouch of two-component gel, 500 ml	
	45000050	-	Cable glands + o-rings/Deck box, set of 5	

+ The deck boxes allow connections to be made using 1.5 mm² cables (LED bulb).

+ For polyester shell pools, we recommend mounting a RL-326 return fitting to house a flat underater light with white or colour LEDs.

BWT GUTS PACK FOR BAYONET UNDERWATER LIGHTS

Family 2105

	White	Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
300W incandescent	44093000	44093100	44093210	44093200	44093310	44093510	44093500	44093800	44093110	44093410	44093700	44093900	
White LEDs	44082000	44082100	44082210	44082200	44082310	44082510	44082500	44082800	44082110	44082410	44082700	44082900	
RGB LEDs	44096000	44096100	44096210	44096200	44096310	44096510	44096500	44096800	44096110	44096410	44096700	44096900	

+ The LED guts pack includes the underwater light face ring, an Ecoproof bulb and stainless steel clips. The 300W 12 V guts pack is fitted with a 2.30 m cable.

BWT DEFORMABLE, UNIVERSAL GUTS PACK, CLIPPED, FOR UNDERWATER LIGHT

Family 2105

	White	Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
300W incandescent	44091000	44091100	44091210	44091200	44091310	44091510	44091500	44091800	44091110	44091410	44091700	44091900	
White LEDs	44081000	44081100	44081210	44081200	44081310	44081510	44081500	44081800	44081110	44081410	44081700	44081900	
RGB LEDs	44095000	44095100	44095210	44095200	44095310	44095510	44095500	44095800	44095110	44095410	44095700	44095900	

+ The LED guts pack includes the underwater light face ring, an Ecoproof bulb and stainless steel clips. The 300W 12 V guts pack is fitted with a 2.30 m cable.

BWT FACE RING TRIM FOR FIXED UNDERWATER LIGHTS

Family 2105

Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
44900081	44900092	44900082	44900094	44900093	44900085	44900088	44900091	44900095	44900087	44900089	

BWT FACE RING TRIM FOR DIRECTIONAL UNDERWATER LIGHTS

Family 2105

Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
44930081	44930092	44930082	44900094	44930093	44930085	44930088	44930091	44900095	44930087	44930089	

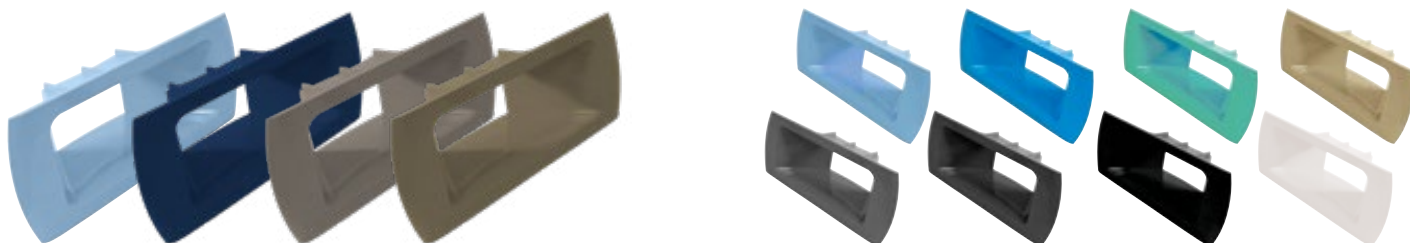
+ This trim clips over the front face of the existing underwater light.



+ **Wondering how to give an old pool a new lease of life?**
 Our Color Renovation is a range of pool fitting trims that can be fitted painlessly and quickly over existing fittings to lift and relook any type of ageing pool. Directional nozzles, main drain flanges and grates, vacuum point caps, skimmer throat trims, face plates and weirs, underwater light guts packs and face plates.

BWT MOUTH AND THROAT TRIM FOR SKIMMERS AND MIRROR SKIMMERS

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price	White	Price
Mouth and throat trim for skimmers SL-117/119 & SB-116/118													
40961081	40961092	40961082	40961094	40961093	40961085	40961088	40961091	40961095	40961087	40961089		40961083	
Mouth and throat trim for mirror skimmer													
40967081	40967092	40967082	40967094	40967093	40967085	40967088	40967091	40967095	40967087	40967089		40967083	

BWT FACE PLATE & WEIR FOR WIDE MOUTH SKIMMERS

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
40061111	40061221	40061211	40061321	40061521	40061511	40061811	40061121	40061421	40061711	40061911	

BWT FACE PLATE & WEIR FOR SMALL MOUTH SKIMMER

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
40061110	40061220	40061210	40061320	40061510	40061810	40061120	40061120	40061420	40061710	40061910	

BWT RETURN FITTING 12 MM DIRECTIONAL JET

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
42030104	42030214	42030204	42030314	42030514	42030504	42030804	42030114	42030414	42030704	42030904	

BWT RETURN FITTING 12 MM DIRECTIONAL JET

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Anthracite grey	Black	Price
42225104	42225214	42225204	42225514	42225504	42225504	42225804	42225704	42225904	

BWT FLANGES, GRATINGS AND GASKETS FOR RETURN FITTINGS RL319

Family 2105



Light blue	Blue grey	Dark blue	Mint	Beige	Grey	Taupe	Anthracite grey	Black	Price
42010104	42010214	42010204	42010514	42010504	42010804	42010114	42010704	42010904	

BWT VACUUM FITTING BLANKING CAP

Family 2105



Light blue	Blue grey	Dark blue	Mint	Beige	Grey	Taupe	Anthracite grey	Black	Price
48019100	48019210	48019200	48019510	48019500	48019800	48019110	48019700	48019900	

BWT FLANGES, GRATINGS AND GASKETS FOR MAIN DRAINS BL-211 / BB-210

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
41012104	41012214	41012204	41012314	41012514	41012504	41012804	41012114	41012414	41012704	41012904	

BWT FLANGES, GRATINGS AND GASKETS FOR MAIN DRAINS BL-311 / BB-310 & RETURN FITTINGS RL303

Family 2105



Light blue	Blue grey	Dark blue	Marine blue	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Price
41015104	41015214	41015204	41015314	41015514	41015504	41015804	41015114	41015414	41015704	41015904	

BWT TOOLS FOR POOL FITTINGS WITH INSERTS

Family 2100

Give pool fittings a new life with an insert.



	Code	Description	Price
1	48090000	Renovation kit for pool fittings	
2	48059050	6 mm hollow punch	

BWT SKIMMER ACCESSORIES

Family 2100



+ Pool Bag is a reusable, non woven, polyester bag.

	Code	Reference	Description	Price
1	40441010	-	Extension ring for skimmers installed on polyester shell pools	
JET VAC				
2	48001030	JV-200	Jet Vac collar weir, adapts to fit skimmer basket	
POOL BAG				
3	48001009	PB-200-3	Washable polyester Pool Bag, set of 3	
other accessories				
4	48001013	-	Syringe of liquid ABS (to repair ABS fittings)	

BWT ACCESSORIES

Families 2100 & 2105



	Code	Reference	Description	Price
5	42030004	JO-230	Directional jet Ø 23 mm for RL/RB return fittings	
	42225004	JO-120	Jet orientable Ø 12 mm pour buses RL/RB	
6	48002001	BJT	1" / 2 ABS threaded plug with o-ring	
7	48019000	BO-211	Threaded cap for RL/RB nozzles, white	
8	48002005	ET-10	Swivelling barbed end-piece Ø 38x1"1/2	
9	48002009	RC-21	Barbed union, straight, white, male, screw fitting, 1"1/2 x 38mm	

UNDERWATER LOUDSPEAKERS 60W / 8 OHMS

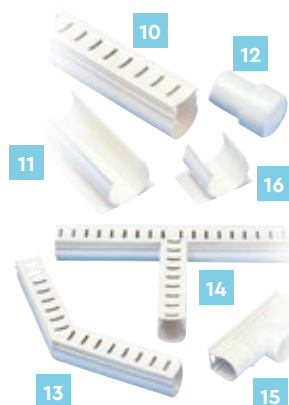
Family 2200



Code	Description	Price
44098000	Underwater loud speaker to be sealed into the wall, liner & concrete, 60W/8ohms	
44099010	Transformer for underwater loudspeaker	

DECK DRAINS

Family 2100



	Code	Reference	Description	Price
10	812100	PED100	Deck drain, 2 m bar	per bar
11	812110	PED105	Coupling sleeve	per unit
12	812120	PED110	Deck drain plug	per unit
13	812130	PED115	135 ° corner piece	per unit
	812140	PED120	90° corner piece	per unit
14	812150	PED125	90° tee	per unit
	812160	PED130	Four-way tee	per unit
15	812170	PED135	Drainage tee	per unit
16	812180	PED145	Drain fastening clip (2 clips per 2m length)	per unit

+ Lumen values are provided by the manufacturer/importers of the bulbs

PAR56 GLASS BULB, INCANDESCENT AND LED - GENERAL ELECTRIC

Family 2210

NEW



Code	Description	Price
Halogen underwater light		
44090001	Bulb, 300 W 12V, with standard socket, General Electric	
44090001	Bulb, 300 W 12V, with standard socket, General Electric	Set of 12, per unit
44090001	Bulb, 300 W 12V, with standard socket, General Electric	Set of 24, per unit
44090005	LED Bulb, 20 W 12V, with standard socket, General Electric	
44090005	LED Bulb, 20 W 12V, with standard socket, General Electric	Set of 12, per unit
44090005	LED Bulb, 20 W 12V, with standard socket, General Electric	Set of 24, per unit

SEAMAID LED UNDERWATER LIGHTS

Family 2210

+ The back of the bulb casing feature 1.5" threading that is screwed by hand into a vacuum fitting. The power cable is fed through a cable gland in the throughwall flange and connected to the deck box. The face plate prevents removal by persons not equipped with the correct tool.

	Code	Description	Price
1	44070000	LEDINPOOL flat UW light, screwed, 60 white LEDs, 13.5 W 1450 Lumens - 12 V	
2	44071000	LEDINPOOL flat UW light, screwed, 90 RGB+TC LEDs, 16 W 510 Lumens - 12 V	
3	44073000	LEDINPOOL mini UW light, 12 white LEDs, 6 W 540 Lumens, steps, decks and spas	
	44074000	LEDINPOOL mini UW light, 36 RGB LEDs, On/Off, 7 W 220 Lumens, steps, decks and spas	
4	44092011	RF remote control with 4 buttons for colour LED underwater lights	

LEDINPOOL SPARE COLOUR FACE RINGS



Face ring PL-08F-U

Light blue	Beige	Grey	Anthracite grey	Price
44070100	44070500	44070800	44070700	

The bulb is not included in the price

+ Our LED bulbs work off a 12 VAC power supply, this is in accordance with the standard EN60598-2-18 (governing pool lighting). When installing an underwater light in a swimming pool, basic electrical safety regulations must be followed; connectors and an insulating gel must be used to avoid risk of irreversible damage. LEDs require a constant current, they are very sensitive to voltage fluctuations. The drivers used by our bulbs allow them to operate within a voltage range of 11.5 to 15 V thus prolonging their service life. The transformers fitted in our electrical panels (Swimline, SR-Light, X-Light) also meet these requirements. A significant increase of the supply voltage could cause irreparable damage to some LED driver components and, in addition, exceed the maximum voltage allowed in a pool. In the event that our LED underwater lights are powered by an electrical panel from another manufacturer, check the transformer's voltage fluctuation range and make sure that this corresponds to the constraints imposed by an LED bulb.

LEDINPOOL BULBS WITH SEAMAID LEDS

Family 2210



+ **PAR56 ecoproof LED bulb:**
Compatible with all niches on the market, may be installed in place of a standard 300 W incandescent bulb:

- Integration – save on labour and material,
- Renovation – thanks to its renovation kit, it is compatible with all PAR56 niches on the market (see the Renovation pages).

<p>Colour LED underwater light: 11 static colours and 5 automatic colour change sequences. 510 lumens. Consumption, 5 to 16 W. Exclusive RF system with remote control included.</p>	<p>White LED Underwater light: White light Lumen output in water, 1430, Consumption, 13.5 W, Energy class A+.</p>
---	--

+ Compatible with all niches on the market, may be installed in place of a standard 300 W incandescent bulb:

	Code	Description	per unit	set of 6, per unit
1	44092110	Standard socket bulb, 13.5 W 1450 Lumens with white LEDs		
	44092020	Standard socket bulb, 16 W 510 Lumens with colour LEDs		
2	44092130	Ecoproof bulb, 13.5 W 1450 Lumens with white LEDs		
	44092050	Ecoproof bulb, 16 510 Lumens with colour LEDs		
3	44092011	RF remote control with 4 buttons for LED underwater lights		

TRANSMITTERS & RECEIVERS FOR UNDERWATER LIGHTS

Family 2210



	Code	Description	Price
4	44092005	RF receiver for 1500 W / 220 V UW light, exterior electrical panel + remote control version 2011•	
5	44092006	Additional 2 channel RF transmitter, 12 V, version 2011 •	
6	44092003	1 channel RF receiver for LED underwater light, 12 V	
7	44092004	4 channel RF receiver for LED underwater light, 12 V	

• 2011 transmitters are not compatible with receivers sold previously.
The receiver RF 44092005 is compatible with electrical items up to 2x1500 W. The remote control is not compatible with bulbs sold without a remote control.

CCEI UNDERWATER LIGHT ACCESSORIES

Family 2210

Innovations incorporated into the latest version of Eolia bulbs double the luminous flux without increasing the lighting power. In addition, thanks to a new heat dissipation system and use of new LED technology, the bulb's durability has also been improved.

Eolia bulbs are available with white or coloured light and are suitable for fitting to new pools or retrofitting to replace incandescent lights in existing pools.



Technical data.

- Compatible with all pool types.
- Suitable for new builds and renovations.
- New: more efficient heat dissipation and a lumen output up to 100 lm/W.
- Cold white, warm white or coloured light
- RGB technology coloured light (pure white and more natural colours).
- **Colour control system:**
- Synchronise up to 120W of light.
- 11 static colours and 7 sequences available.
- Dimming of coloured lights and control of the colour change sequence.



	Code	Reference	Description	Price	Price
			LED UNDERWATER LIGHTS	per unit	set of 8, per unit
1	44092300	WEM20	White bulb 25 Watts 1400 Lumens		
	44092305	WEM40	White bulb 44 Watts 4400 Lumens		
2	44092200	WEX30	Colour bulb 40 Watts 1150 Lumens		
3	44092290	BRIO RC +	Wall mounted control panel + remote control		



WELTICO UNDERWATER LIGHT ACCESSORIES

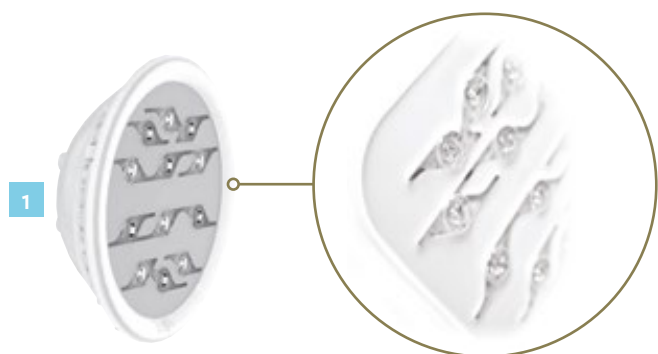
Family 2210



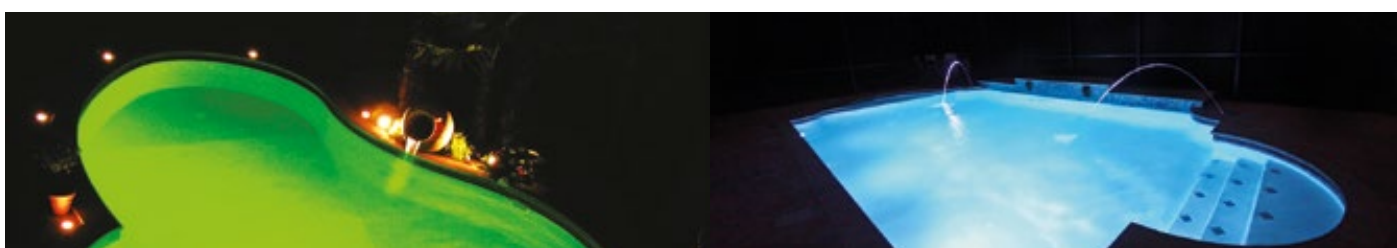
The colour LED and white LED models are fitted with powerful LEDs that provide an exceptional luminous flux. White bulbs are available in 6 LED and 12 LED versions, colour bulbs come only in a 12 LED version. They remain synchronised with each other on the power line frequency.

Technical data.

- OSRAM LED components – Germany
- Excellent lumen output
- Service life 50 to 100 times longer than conventional bulbs.
- Optical collimator for optimised diffusion.
- Interchangeable with conventional PAR56 300W available on the market.
- Waterproof, 100% resin bulb.
- Patented heat dissipation



	Code	Reference	Description	Price per unit	Price Set of 8, per unit
1	44092500	64192LB15	White bulb 19 Watts 1500 Lumens		
	44092505	64192LB30	White bulb 36 Watts 2600 Lumens		
	44092400	64192LC15	Colour RGB bulb 28 Watts 850 Lumens		
2	44092490	-	Remote control + power line communication unit		



WATER BLADES

To achieve an even, harmonious water blade, the water flow rate must be constant. This can be achieved by installing and adjusting a ¼ turn valve on the water feed line.

Technical data.

- Available in three sizes to ensure a perfect fit in your pool or spa.
- Water blades fitted with LEDs work off a 12V DC supply with an electrical panel (4) that comes with a remote control. There are 10 light change sequences to choose from.

The flow rate of a 300 mm wide water blade depends on the vertical height of the water blade and the horizontal depth of the water fall.

The 'vertical height' is the distance between the water blade jet and the water level in the pool. It may not be greater than 900 mm.

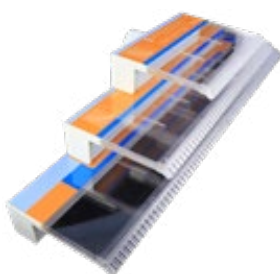
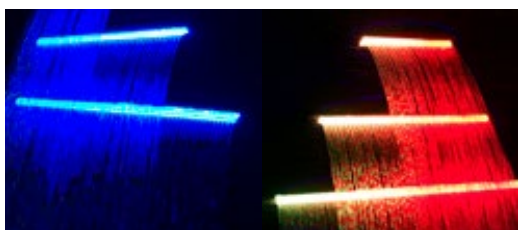
The 'horizontal depth' is the horizontal distance between the water blade jet and the point of impact of the waterfall in the pool.

If the width of the blade is greater than 300 mm, 600 mm or 1200 mm, multiply the rate indicated on the graph by 2 (600 mm), 3 (900) or 4 (1200 mm).

For example, in the case of a parabolic water blade 900 mm wide, installed at a height of 1200 mm with a horizontal depth of 266 mm, the flow rate must be $2.7 \text{ m}^3/\text{h} \times 4 = 10.8 \text{ m}^3/\text{h}$.

RAIN EFFECT CURTAIN WATER BLADE

Family 2250

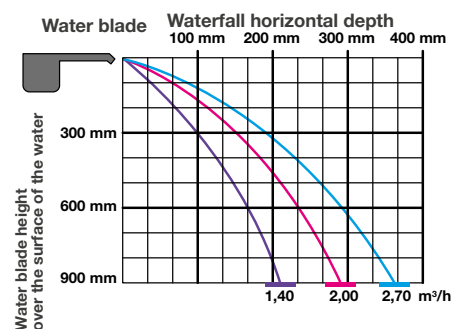


Description	A	B	C	D
Water blade 300 x 150 mm	306	284	78	171
Water blade 600 x 150 mm	606	284	78	171
Water blade 900 x 150 mm	906	284	78	171

Code	Description	Price
	rain effect curtain water blade with leds	
795140	Rain effect water blade with 4 W LED, 300 x 150 mm	
795240	Rain effect water blade with 8 W LED, 600 x 150 mm	
795340	Rain effect water blade with 16 W LED, 900 x 150 mm	
4 795900	Electrical panel, 60W, for water blades with LEDs*	

* Several water blades can be controlled using one panel.

Flow rates for a 300 mm long water blade.



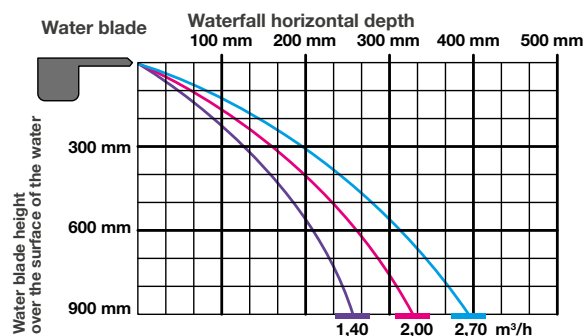
STRAIGHT JET CURTAIN WATER BLADES

Family 2250

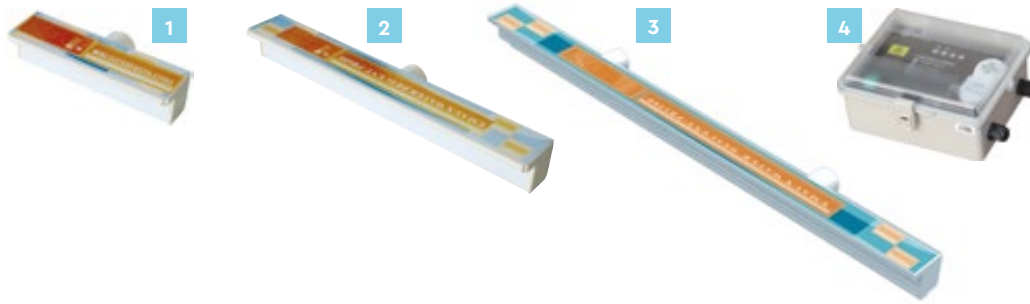


Description	A	B	C	D
Water blade 300 x 150 mm	306	277	76	164
Water blade 600 x 150 mm	606	277	76	164
Water blade 900 x 150 mm	906	277	76	164

Flow rates for a 300 mm long water blade.



Code	Description	Price
	Straight jet curtain water blades with LEDs	
795160	Straight jet water blade, 4 W LED, 300 x 150 mm	
795260	Straight jet water blade, 8 W LED, 600 x 150 mm	
795360	Straight jet water blade, 16 W LED, 900 x 150 mm	
4 795900	Electrical panel, 60W, for water blades with LEDs*	



PARABOLIC JET WATER BLADES

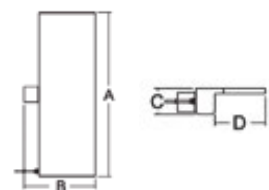
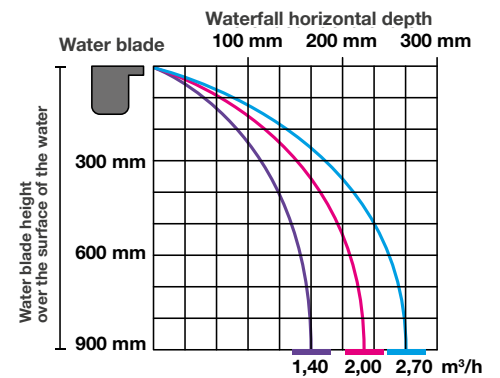
Family 2250



Code	Description	Price
Parabolic jet water blades		
1	795100 Parabolic jet water blade 300 × 150 mm	
2	795200 Parabolic jet water blade 600 × 150 mm	
3	795400 Parabolic jet water blade 1200 × 150 mm	
Parabolic jet water blades with LEDs		
	795120 Parabolic jet water blade with 4W LEDs, 300 × 150 mm	
	795220 Parabolic jet water blade with 8W LEDs, 600 × 150 mm	
	795420 Parabolic jet water blade with 16W LEDs, 1200 × 150 mm	
4	795900 Electrical panel, 60W, for water blades with LEDs*	

Description	A	B	C	D
Water blade 300 × 150 mm	306	263	76	150
Water blade 600 × 150 mm	606	263	76	150
Water blade 900 × 150 mm	1206	263	76	150

Flow rates for a 300 mm long water blade.



POOL FITTINGS - STAINLESS STEEL

STAINLESS STEEL SKIMMERS

Family 2090



For pools treated by salt water electrolysis, we offer a range of high quality fittings with titanium screws and electropolished face plates. Please contact us.



Sub coping skimmer. The basket is removed through the skimmer mouth so there is no need for a lid housing on the coping.

Code	Description	Price
8241200	Wide mouth skimmer + extension throat, liner, SS*	
8241700	Small mouth skimmer, concrete, SS*	
1 8241800	Small mouth skimmer, liner, SS*	
2 8241900	Wide mouth skimmer + extension throat, concrete, SS*	
3 8242500	Extra flat sub-coping skimmer, liner pools, Stainless steel*	
8242400	Extra flat sub-coping skimmer, concrete pools, Stainless steel*	

STAINLESS STEEL RETURN FITTINGS

Families 2090 & 2100



Code	Description	Nominal flowrate	Price
Stationary return jets (male)			
4 8236300	2" fixed 316 stainless steel return fitting jet, concrete	6 m ³ /h	
	6 M ³ /H 3" fixed 316 stainless steel return fitting jet, concrete*	13.5 m ³ /h	
	8236900 4" fixed 316 stainless steel return fitting jet, concrete*	21 m ³ /h	
5 8236200	2" fixed 316 stainless steel return fitting jet, liner*	6 m ³ /h	
	8236600 3" fixed 316 stainless steel return fitting jet, liner*	13.5 m ³ /h	
	8236800 4" fixed 316 stainless steel return fitting jet, liner*	21 m ³ /h	
Multi-directional return fittings			
6 8237300	2" multi-directional 316 stainless steel jet, concrete	6 m ³ /h	
7 8237200	2" multi-directional 316 stainless steel jet, liner*	6 m ³ /h	
2" return fittings'			
8 8238100	2" 316 stainless steel bottom jet, concrete	6 m ³ /h	
9 8238000	2" 316 stainless steel bottom jet, liner*	6 m ³ /h	

STAINLESS STEEL UNDERWATER LIGHTS

Family 2090



Code	Description	Price
8241400	UW light, liner, 300W/12V, 316 stainless steel*	
8241500	UW light, concrete, 300W/12V, 316 stainless steel*	
8241600	316 stainless steel deck box*	

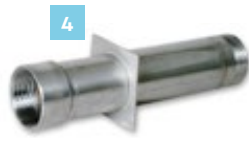


For pools treated by salt water electrolysis, we offer a range of high quality fittings with titanium screws and electropolished face plates. Please contact us.

POOL FITTINGS - STAINLESS STEEL

STAINLESS STEEL VACUUM POINTS AND THROUGHWALL FLANGES

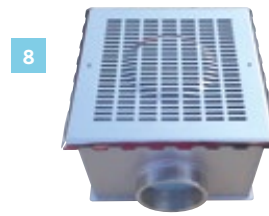
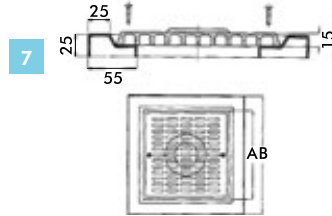
Family 2090



	Code	Description	Price
		Vacuum fittings (male)	
1	8235500	316 stainless steel vacuum point, concrete*	
2	8235600	316 stainless steel vacuum point, liner*	
		Throughwall flanges	
	8235050	1 1/2" 316 stainless steel throughwall flange*	
3	8235100	2" 316 stainless steel throughwall flange*	
4	8235200	3" 316 stainless steel throughwall flange*	
5	8235300	4" 316 stainless steel throughwall flange*	

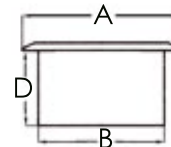
STAINLESS STEEL MAIN DRAINS AND GRATES

Family 2090



Dimensions	
A	B
300X300	355X355
400X400	455X455
500X500	555X555

Dimensions		
A	B	D
350	300	285
450	400	290
350	300	285



+ Respect the throughput limit of the bottom suction fittings (0.5 m/s)

	Code	Description	max flowrate (0.5 m/s)	Price
		Bottom suction grating		
	8231300	Stainless steel suction grate, 300x300, concrete*	39 m ³ /h	
	8231500	Stainless steel suction grate, 400x400, concrete*	69 m ³ /h	
	8231700	Stainless steel suction grate, 500x500, concrete*	108 m ³ /h	
	8231400	Stainless steel suction grate, 300x300, liner*	39 m ³ /h	
6	8231600	Stainless steel suction grate, 400x400, liner*	69 m ³ /h	
	8231800	Stainless steel suction grate, 500x500, liner*	106 m ³ /h	
		Safety main drain - DIN standard		
	8234500	Stainless steel suction safety grate, 300x300mm, concrete*	40 m ³ /h	
7	8234600	Stainless steel suction safety grate, 400x400mm, concrete*	80 m ³ /h	
	8234700	Stainless steel suction safety grate, 300x300mm, concrete*	140 m ³ /h	
		Main drain		
8	8232300	Stainless steel main drain, 300x300, concrete, 4" outlet*	59 m ³ /h	
	8232500	Stainless steel main drain 400x400, concrete, outlet PN125*	78 m ³ /h	
	8232400	Stainless steel main drain, 300x300, liner, 4" outlet*	59 m ³ /h	
	8232600	Stainless steel main drain, Ø 170 mm, concrete, 2"*	18 m ³ /h	
	8232700	Stainless steel main drain, Ø 170 mm, liner 2"*	18 m ³ /h	

Training centres Experts & technicians

Throughout the year, Procopi runs training sessions concerning the technical aspects of the swimming pool.



Chemistry
Hydraulics
Redox & amperometric regulation
EES PRO electrolyser
Reinforced membranes

Contact your sales agency or visit procopi.com/prospace

Pool earthing: The functional earth

Why earth a pool?

Earthing a pool removes any stray current present in the water.

What is stray current?

Stray currents are undesirable currents present in the pool water. They are generated by static currents, pool equipment, fault currents, etc.

Risks and effects of stray currents

Although they are not dangerous to people, stray currents can aggravate corrosion by electrolysing the metallic elements of the pool.

Stray currents can also interfere with the sensors of pool treatment devices, this can result in the injection of the wrong quantity of pool chemicals.

It is therefore essential to have a high quality, dedicated, pool-grade functional earth.

How to check that a sensor is not being falsified by stray currents?

Place the sensor in a bucket of water (pool water) and look to see if the measurement varies with respect to the measurement taken directly in the pool. If the measurement does not vary, stray current is not interfering with the sensor.

How to create a good functional earth for a swimming pool?

Never connect the pool's functional earth to the home's earth.

A good functional earth has a maximum resistance of 40 Ohms.

To reduce the resistance of the functional earth, position the earth peg in a damp area (for example, near a heat pump condensate drain).

If the resistance remains above 40 ohms, add an earth peg to achieve the recommended value.

What equipment is needed to create a functional earth?

To avoid any confusion with the home's protective earth, never use a yellow/ green wire for the pool's functional earth.

We recommend that you use a purple or white wire, cross section 25 mm², and an earth peg at least 1 m long in order to limit electrical resistance as much as possible and so facilitate the flow of stray current to earth.

How to measure the resistivity of the functional earth?

The resistivity of the functional earth can be measured using an earth loop tester.

We offer a ready to use kit that is easy to use and completely safe. The kit includes a 7 m extension cable and an IP2X clamp.

+ We offer various kits:

The TFP-R or TFP-C kits adapt to the pools' PVC pipework (50 or 63mm), they are suitable for new builds or retrofitting to existing pools.

The Earth Peg kit is comprised of a 25 mm² copper cable and a 1 m long earth peg. This kit limits electrical resistance as much as possible and facilitates the flow of stray current to the earth.



PROCOPI TOP TIP

Our functional earth resistivity measurer is listed on page 126.

BWT FUNCTIONAL EARTH

Family 5600



The functional earth must be connected using a white or purple sheathed copper wire. Do not under any circumstances use a green/yellow wire or braided wire, these should only be used for electrical safety earthing.

Reducing tees (TFP-C) are ideal for new builds, while saddle clamps (TFP-R) are useful for integration into existing pools or pool renovation projects.

Code	Description	Price
1372450	Functional earth (TFP-R) for existing pools, Ø 50	
1352450	Functional earth (TFP-C) for new pools, Ø 50	
1372463	Functional earth (TFP-C) for new pools, Ø 63	
1352463	Functional earth (TFP-R) for existing pools, Ø 63	
689999	Ground peg 1m, with 10 m cable, cross section 25mm ² for functional earth	
689990	Ground peg 1m, with 5 m cable, cross section 25mm ² for functional earth	
689985	Ground peg only, 1.50 m, without cable	

FLOWRATES AND RECOMMENDATIONS

Flow rates for PVC pipes, PN 10

Outer diameter (solvent weld diameter) of the pipe (mm)	Maximum recommended flow rate in m ³ /h (Speed 0.5 m/s)	Maximum recommended flow rate in m ³ /h at the suction fitting (Speed 1.5 m/s)	Maximum recommended flow rate in m ³ /h at the return fitting (Speed 2m/s)
25	0.7	2.1	2.7
32	1.1	3.4	4.6
40	1.8	5.3	7.0
50	2.9	8.7	11.6
63	4.6	13.8	18.4
75	6.5	19.5	26.0
90	9.4	28.1	37.5

Flow rates for PVC pipes PN 16

Outer diameter (solvent weld diameter) of the pipe (mm)	Maximum recommended flow rate in m ³ /h (Speed 0.5 m/s)	Maximum recommended flow rate in m ³ /h at the suction fitting (Speed 1.5 m/s)	Maximum recommended flow rate in m ³ /h at the return fitting (Speed 2m/s)
25	0.6	1.9	2.5
32	1.0	3.1	4.2
40	1.6	4.9	6.5
50	2.6	7.7	10.3
63	4.1	12.2	16.2
75	5.8	17.4	23.2
90	8.3	25.0	33.4

Maximum filtration rates

Filter diameter	Private pools Standard EN 1671361	Commercial pools Maximum flow rate to comply with regulations	
	Maximum filtration rate, in m ³ /h, for a through put of 50 m/h*	Maximum filtration rate, in m ³ /h, for a through put of 40 m/h*	Maximum filtration rate, in m ³ /h, for a through put of 30 m/h*
Ø400	6.0	4.8	3.6
Ø500	10.0	8.0	6.0
Ø610	14.0	11.2	8.4
Ø760	22.0	17.6	13.2
Ø920	33.0	26.4	19.8
Ø1050	43.8	35.0	26.3
Ø1200	56.3	45.0	33.8

(*) m³/h par m² of filtration surface area

Table of correspondence between nominal diameters (DN) and outer diameters of PVC pipes

Nominal diameter (DN) (mm)	Outer diameter (solvent weld diameter) (mm)
25	32
32	40
40	50
50	63
65	75
80	90

+ 0.5 m/s: Below this speed, deposits will build up on the pool wall.
 1.5 m/s: Maximum recommended speed at the suction fittings to prevent cavitation of the pump.
 2 m/s: Maximum recommended speed at the return fitting to reduce load losses.
 3 m/s: Above this speed, the system is prone to vibration.

LEAK SEALANT

Family 5600



- When mixed with pool water, this liquid completely or partially seals small leaks that can develop in the pool structure or at buried pipe unions. It may also be used to seal small leaks in concrete or polyester.
- 1 litre is enough to seal leaks of 500 to 800 litres/day in pools from 50 to 60 m³.
- This product is biodegradable and is not harmful to people or the environment.



Code	Description	Price
1397500	Liquid leak sealant	per litre
1397500	Liquid leak sealant	box of 12, per litre

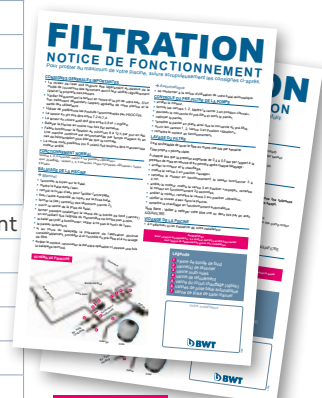
PIPE FITTING KITS

Family 5600

	Description
A	1 suction manifold Ø 50 15 90° Elbow, solvent*
B	5 45° Elbow, solvent 1 reducing bush Ø 63/50 2 Adaptor socket, solvent 3 threaded nipples Ø 2" x 50, solvent 5 threaded unions Ø 1"1/2x50, solvent
C	1 threaded union Ø 2" x 63, solvent 2 tees, solvent
D	4 double union valves, solvent 1 pot of glue, 250 cc
E	1 pot of Griffon glue, 250 cc
F	10 rolls of teflon
G	2 filtration information plates



	Description
A	1 suction Ø 63 15 90° elbows, solvent*
B	5 45° elbows, solvent 2 reducing bush Ø 63/50 2 Adaptor sockets, solvent 3 threaded nipples Ø 2" x 50, solvent 1 threaded nipples Ø 1"1/2 x 50, solvent
C	4 threaded union Ø 2" x 63, solvent 2 tees, solvent
D	4 double union valves, solvent 1 pot of glue 250 cc
E	1 pot of Griffon glue, 250 cc
F	10 rolls of Teflon
G	2 filtration information plates



Code	Description	Price
108100	Plumbing kit, diameter 50 mm	
108150	Plumbing kit, diameter 50 mm - Large radius *	
108200	Plumbing kit, diameter 63 mm	
108250	Plumbing kit, diameter 63 mm - Large radius *	
1000	Sheet of 12 filtration stickers	
1020	Installation/ operating guide - rigid filtration system (FR/GB)	
1020	Installation/ operating guide - rigid filtration system (FR/GB)	10, per unit

+ PROCOPI TOP TIP

Our wide diameter unions are listed in the Commercial Pools and Spas chapter.

90° ELBOW, SOLVENT

Family 5600

Code	Description	PN	Price
1340025	90° elbow,female/female, solvent in 25 mm	10	
1340032	90° elbow,female/female, solvent in 32 mm	10	
1340050	90° elbow,female/female, solvent in 50 mm	10	
1340050	90° elbow,female/female, solvent in 50 mm	10	Set of 100, per unit
1340063	90° elbow,female/female, solvent in 63 mm	10	
1340075	90° elbow,female/female, solvent in 75 mm	16	
1340090	90° elbow,female/female, solvent in 90 mm	16	



90° LARGE RADIUS ELBOW, SOLVENT

Family 5600

Code	Description	PN	Price
1346032	90° elbow,wide radius, female/female, solvent in 32 mm	10	
1346050	90° elbow,wide radius, female/female, solvent in 50 mm	10	
1346050	90° elbow,wide radius, female/female, solvent in 50 mm	10	Set of 100, per unit
1346063	90° elbow,wide radius, female/female, solvent in 63 mm	10	
1346063	90° elbow,wide radius, female/female, solvent in 63 mm	10	Set of 60, per unit
1346075	90° elbow,wide radius, female/female, solvent in 75 mm	10	
1346090	90° elbow,wide radius, female/female, solvent in 90 mm	10	



(*) article available on order, see our .general sales conditions

PIPE FITTINGS

45° ELBOW, SOLVENT

Family 5600



Code	Description	PN	Price
1342032	45° elbow,female/female, solvent in 32 mm	16	
1342050	45° elbow,female/female, solvent in 50 mm	10	
1342050	45° elbow,female/female, solvent in 50 mm Set of 100, per unit	10	
1342063	45° elbow,female/female, solvent in 63 mm	10	
1342075	45° elbow,female/female, solvent in 75 mm	16	
1342090	45° elbow,female/female, solvent in 90 mm	16	

MALE/ FEMALE ELBOWS, 45°

Family 5600



Code	Description	PN	Price
1345050	Elbow, 45°, male/ female, 50 mm	10	
1345063	Elbow, 45° male/ female, 63 mm	10	

S-BEND ELBOW

Family 5600



Code	Description	PN	Price
1344050	S-bend, female/female, solvent in 50 mm	10	

ELBOW, 90°

Family 5600



Code	Description	PN	Price
1343050	Elbow, 90°, male/ female, 50 mm	10	
1343063	Elbow, 90° male/ female, 63 mm	10	

CROSS, SOLVENT

Family 5600



Code	Description	PN	Price
1354050	Cross, female/female, solvent in 50 mm	16	
1354050	Cross, female/female, solvent in 50 mm Set of 54, per unit	16	
1354063	Cross, female/female, solvent in 63 mm	16	

COMBINATION FEMALE TEE

Family 5600



Code	Description	PN	Price
1350050	Combination female tee 50mm, 1.5" tapped'	10	

EQUAL TEE, FEMALE, SOLVENT

Family 5600

Code	Description	PN	Price
1348025	Equal Tee, female/female, solvent in 25 mm	10	
1348032	Equal Tee, female/female, solvent in 32 mm	10	
1348050	Equal Tee, female/female, solvent in 50 mm	10	
1348050	Equal Tee, female/female, solvent in 50 mm	75, per unit	
1348063	Equal Tee, female/female, solvent in 63 mm	10	
1348075	Equal Tee, female/female, solvent in 75 mm	16	
1348090	Equal Tee, female/female, solvent in 90 mm	16	
LARGE RADIUS TEE			
1348051	Y shaped curved Tee, solvent, 50 mm	10	
1348064	Y shaped curved Tee, solvent, 63 mm	10	



+
PROCOPI TOP TIP

Contact our design office for your customised hydraulic study.

REDUCING TEE, SOLVENT

Family 5600

Code	Description	PN	Price
1352525	Reducing tee, female/female, solvent 50 × 50 × 25 mm	16	
1352532	Reducing tee, female/female, solvent 50 × 32 × 50 mm	16	
1352625	Reducing tee, female/female, solvent 63 × 25 × 63 mm	16	
1352632	Reducing tee, female/female, solvent 63 × 32 × 63 mm	16	
1352640	Reducing tee, female/female, solvent 63 × 40 × 63 mm	16	
1352650	Reducing tee, female/female, solvent 63 × 50 × 63 mm	16	
1352750	Reducing tee, female/female, solvent 75 × 50 × 75 mm	16	
1352763	Reducing tee, female/female, solvent 75 × 63 × 75 mm	16	
1352950	Reducing tee, female/female, solvent 90 × 50 × 90 mm	16	
1352963	Reducing tee, female/female, solvent 90 × 63 × 90 mm	16	
1352975	Reducing tee, female/female, solvent 90 × 75 × 90 mm	16	



3 PIECE ADAPTOR UNION, SOLVENT

Family 5600

Code	Description	PN	Price
1356025	3-piece adaptor union, female/female, solvent in 25 mm	16	
1356032	3-piece adaptor union, female/female, solvent in 32 mm	16	
1356050	3-piece adaptor union, female/female, solvent in 50 mm	16	
1356050	3-piece adaptor union, female/female, solvent in 50 mm	Set of 60, per unit	
1356063	3-piece adaptor union, female/female, solvent in 63 mm	16	
1356075	3-piece adaptor union, female/female, solvent in 75mm	16	
1356090	3-piece adaptor union, female/female, solvent in 90 mm	16	



3 PIECE ADAPTOR UNION, THREADED

Family 5600



Code	Description	PN	Price
1358025	3-piece PVC adaptor union, threaded 3/4"x 25 mm	16	
1358032	3-piece PVC adaptor union, threaded 1" x 32 mm	16	
1358050	3-piece PVC adaptor union, threaded 1"1/2 x 50 mm	16	
1358050	3-piece PVC adaptor union, threaded 1"1/2 x 50 mm set of 60, per unit	16	
1359050	PVC union, threaded 1"1/2 x 50 mm with o-ring, for teflon free assembly	10	
1358063	3-piece PVC adaptor union, threaded 2" x 63mm	16	
1358075	3-piece PVC adaptor union, threaded 2"1/2 x 75mm	10	
1358090	3-piece PVC adaptor union, threaded 3" x 90mm	10	

ADAPTOR NIPPLES

Family 5600



Code	Description	PN	Price
1364028	Adaptor nipple, threaded 1", female solvent 25 mm	16	
1364032	Adaptor nipple, threaded 1", female solvent 32 mm	16	
1364050	Adaptor nipple, threaded 1"1/2, female solvent 50 mm	16	
1364050	Adaptor nipple, threaded 1"1/2, female solvent 50 mm set of 150, per unit	16	
1364051	Adaptor nipple, threaded 2", female solvent 50 mm	16	
1364051	Adaptor nipple, threaded 2", female solvent 50 mm set of 150, per unit	16	
1364063	Adaptor nipple, threaded 2", female solvent 63 mm	16	
1364075	Adaptor nipple, threaded 2"1/2, female solvent 75 mm	16	
1364091	Adaptor nipple, threaded 2"1/2, female solvent 90 mm	16	
1364090	Adaptor nipple, threaded 3", female solvent 90 mm	16	
1366050	Adaptor nipple, threaded 1"1/2, male solvent 50 mm	16	
1366075	Adaptor nipple, threaded 2"1/2, male solvent 75 mm	16	
1366090	Adaptor nipple, threaded 3", male solvent 90 mm	16	

ADAPTOR SOCKET, TAPPED

Family 5600



Code	Description	PN	Price
1368032	Adaptor socket, tapped in 1", female solvent in 32 mm	10	
1368050	Adaptor socket, tapped in 1", female solvent in 50 mm	10	
1368063	Adaptor socket, tapped in 1", female solvent in 63 mm	10	
1368075	Adaptor socket, tapped in 1", female solvent in 75 mm	10	
1368090	Adaptor socket, tapped in 1", female solvent in 90 mm	10	
1370050	Adaptor socket, tapped in 1"1/2, male solvent in 50 mm	10	
1370063	Adaptor socket, tapped in 2", male solvent in 63 mm	10	

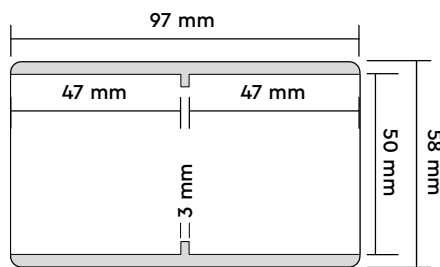
ADAPTOR SOCKET, SOLVENT

Family 5600

Code	Description	PN	Price
1372025	Adaptor socket female/female. solvent in 25 mm	10	
1372032	Adaptor socket female/female. solvent in 32 mm	10	
1372050	Adaptor socket female/female. solvent in 50 mm	16	
1372050	Adaptor socket female/female. solvent in 50 mm Set of 200, per unit	16	
1372063	Adaptor socket female/female. solvent in 63 mm	16	
1372075	Adaptor socket female/female. solvent in 75 mm	16	
1372090	Adaptor socket female/female. solvent in 90 mm	16	



Code	Description	PN	Price
1373050	Long adapter socket female/female, solvent, in 50 mm	16	



CAP, SOLVENT

Family 5600

Code	Description	PN	Price
1382032	Female/female, 32 mm	16	
1382050	Female/female, 50 mm	16	
1382063	Female/female, 63 mm	16	
1382075	Female/female, 75 mm	16	
1382090	Female/female, 90 mm	16	



REDUCER CONE

Family 5600

Code	Description	PN	Price
1376076	Reducer cone, 75 × 63 × 63	16	
1379064	Reducer cone, 90 × 75 × 63	16	
1376091	Reducer cone, 90 × 75 × 75	16	
1378050	Reducing bush, triple, 50 × 25 mm	16	
1378063	Reducing bush, triple, 63 × 25 mm	16	



REDUCING BUSH

Family 5600

Code	Description	PN	Price
1376025		16	
1376032	Reducing bush, 50 × 32 mm	16	
1376063	Reducing bush, 63×50 mm	16	
1376063	Reducing bush, 63×50 mm	200, per unit	
1377550	Reducing bush, 75 × 50 mm	16	
1376075	Reducing bush, 75 × 63 mm	16	
1379063	Reducing bush, 90 × 63 mm	16	
1376090	Reducing bush, 90 × 75 mm	16	



PIPE FITTINGS

SADDLE CLAMPS

Family 5600



Saddle clamps for pipe	Ø 50	Price	Ø 63	Price
Tapped sampling port, 1/2"	1353550		1353563	
	60, per unit		40, per unit	
Tapped sampling port, 3/4"	1353050		1353063	

CHECK VALVES

Family 5600



	Code	Description	Price
1	1394050	Y shaped PVC check valve, solvent, Ø 50 mm	
1	1394063	Y shaped PVC check valve, solvent, Ø 63 mm	
2	1394076	Y shaped PVC check valve, solvent, Ø 75 mm	
	1394091	Y shaped PVC check valve, solvent, Ø 90 mm	

REDUCING BUSH, THREADED

Family 5600



Code	Description	PN	Price
1374063	Reducing bush, threaded, 2" male x 1 1/2 female	10	

PVC VALVES

Family 5800



Code	Description	Price
1/4 turn valve		
5	1412050 1/4 turn single union valve, solvent, 50 mm	
	1412050 1/4 turn single union valve, solvent, 50 mm box of 20 valves, per unit	
	1410025 1/4 turn double union valve, solvent, 25 mm	
	1410032 1/4 turn double union valve, solvent, 32 mm	
6	1410050 1/4 turn double union valve, solvent, 50 mm	
	1410050 1/4 turn double union valve, solvent, 50 mm box of 15 valves, per unit	
	1410063 1/4 turn double union valve, solvent, 63 mm	
	1410075 1/4 turn double union valve, solvent, 75 mm	
	1410090 1/4 turn double union valve, solvent, 90 mm	
Slit valves		
7	1414050 PVC slit valve, 50 mm	
	1414063 PVC slit valve, 63 mm	
3-way valves, manual		
8	1413050 3 way valve, manual, solvent in 50 mm	
	1413063 3 way valve, manual, solvent in 63 mm	
3-way valves, motorised		
9	1239300 Motorised 3-way valve Ø 50 (230V)	
	1239600 Motorised 3-way valve Ø 63 (230 Volts)	

PVC VALVES

Family 5800



With geared hand grip : composite or cast iron

Code	Description	DN	Ø	Price
1416075	Cast iron butterfly valve*	65	75	
1416090	Cast iron butterfly valve*	80	90	

(*) item available on order, subject to a 30% down payment

SUCTION OR RETURN MANIFOLD

Family 5600



Code	Description	Price
1398050	ABS suction manifold: 3 solvent inlets Ø 50 (male) and 1 outlet Ø 63 (female)	
1398063	ABS suction manifold: 3 solvent inlets Ø 63 (male) and 1 outlet Ø 63 (female)	
1399050	Manifold blanking cap, 50/63	

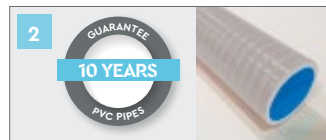
+ Delivered with 2 blanking caps, solvent, 63/50 male/female. Dimensions are listed on page 80.



FLEXIBLE PVC TUBING

Family 6000

Code	Description	Price
STD flexible PVC tubing		
1420020	Flexible PVC pipe Ø 20 mm 25 m ring per metre	
1420032	Flexible PVC pipe Ø 32 25 m ring per metre	
1 1420050	Flexible PVC pipe Ø 50 mm 25 m ring per metre	
1420050	Flexible PVC pipe Ø 50/25m 300 m (12 rings stacked on 1 pallet), per metre	
1420050	Flexible PVC pipe Ø 50/25m 600 m (24 rings stacked on 2 pallets), per metre	
1420150	Flexible PVC pipe Ø 50 50 m ring, per metre	
1420150	Flexible PVC pipe Ø 50/50m 400 m (8 rings stacked on 1 pallet), per metre	
1420063	Flexible PVC pipe Ø 63 25 m ring per meter	
ACL flexible PVC Tubing-anti chlorine		
2 1421050	Flexible PVC pipe, Ø 50 mm 25 m ring, per meter	
	Flexible PVC pipe Ø 50 300 m (12 rings stacked on 1 pallet), per metre	
	Flexible PVC pipe Ø 50 600 m (24 rings stacked on 2 pallets), per metre	
1421150	Flexible PVC pipe, Ø 50 mm 50 m ring, per meter	
	Flexible PVC pipe Ø 50/50m 400 m (8 rings stacked on 1 pallet), per metre	
1421063	Flexible PVC pipe Ø 63 25 m ring per meter	



Ø	Minimum radius of curvature (mm)
32	80
40	120
50	190
63	250

+ STD and ACL flexible pipes should not be used to connect boosters or pumps to vacuum fittings. In areas prone to termites, rigid PVC pipes must be used. ACL flexible PVC pipes are more rigid than standard flexible PVC pipes.

+ **PROCOPI TOP TIP**
Long solvent type socket adapters for the connection of flexible PVC pipes are listed on, page 67.



RIGID PVC TUBING

Family 6000

Description	PN 10	Price	PN16	Price
Rigid PVC tubing Ø 25 3m length, per m	-		1422025	
Rigid PVC tubing Ø 32 3m length, per m	-		1422032	
Rigid PVC tubing Ø 50 3 m length, per m	1422050		1422051	
Rigid PVC tubing Ø 50 ten 3m bars, per m	1422050		-	
Rigid PVC tubing Ø 50 forty 3m bars, per m	1422050		-	
Rigid PVC tubing Ø 63 3m length, per m	1422063		1422064	
Rigid PVC tubing Ø 63 ten 3m bars, per m	1422063		-	
Rigid PVC tubing Ø 63 forty 3m bars, per m	1422063		-	
Rigid PVC tubing Ø 75 3m length, per m	1422075		-	
Rigid PVC tubing Ø 75 ten 3m bars, per m	1422075		-	
Rigid PVC tubing Ø 90 3m length, per m	1422090		-	
Rigid PVC tubing Ø 90 ten 3m bars, per m	1422090		-	

RIGID PVC TUBING

Family 6000

1423050	Transparent, rigid PVC tubing, Ø 50 mm	length 1 m
1423063	Transparent, rigid PVC tubing, Ø 63 mm	length 1 m

CLAMPS AND SPACERS

Family 5600



Code	Description	Price
Pipe clamps and clips		
1395025	Pipe Clips for Ø 63 pipe# - Set of 10, per unit	
1395032	Pipe Clips for Ø 32 pipe - Set of 10, per unit	
1395050	Pipe Clips for Ø 63 pipe - Set of 10, per unit	
	Pipe Clips for Ø 63 pipe - Set of 50, per unit	
	Pipe Clips for Ø 63 pipe - Set of 250, per unit	
1395063	Pipe Clips for Ø 63 pipe - Set of 10, per unit	
	Pipe Clips for Ø 63 pipe - Set of 50, per unit	
	Pipe Clips for Ø 63 pipe - Set of 250, per unit	
1395075	Pipe Clips for Ø 75 pipe - Set of 10, per unit	
1395090	Pipe Clips for Ø 90 pipe - Set of 10, per unit	

Code	Description	Price
Pipe clip spacers*		
1395029	Spacer for Ø 25 pipe clip # - Set of 10, per unit	
1395039	Spacer for Ø 32 pipe clip - Set of 10, per unit	
	Spacer for Ø 50 pipe clip - Set of 10, per unit	
	Spacer for Ø 50 pipe clip - per ten 3m bars, per m	
1395059	Spacer for Ø 50 pipe clip - per 250 3m bars, per m	
	Spacer for Ø 63 pipe clip - Set of 10, per unit	
	Spacer for Ø 63 pipe clip - per ten 3m bars, per m	
1395069	Spacer for Ø 63 pipe clip- per 250 3m bars, per m	
	Spacer for Ø 75 pipe clip - Set of 10, per unit	
1395079	Spacer for Ø 75 pipe clip - Set of 10, per unit	
1395099	Spacer for Ø 90 pipe clip - Set of 10, per unit	

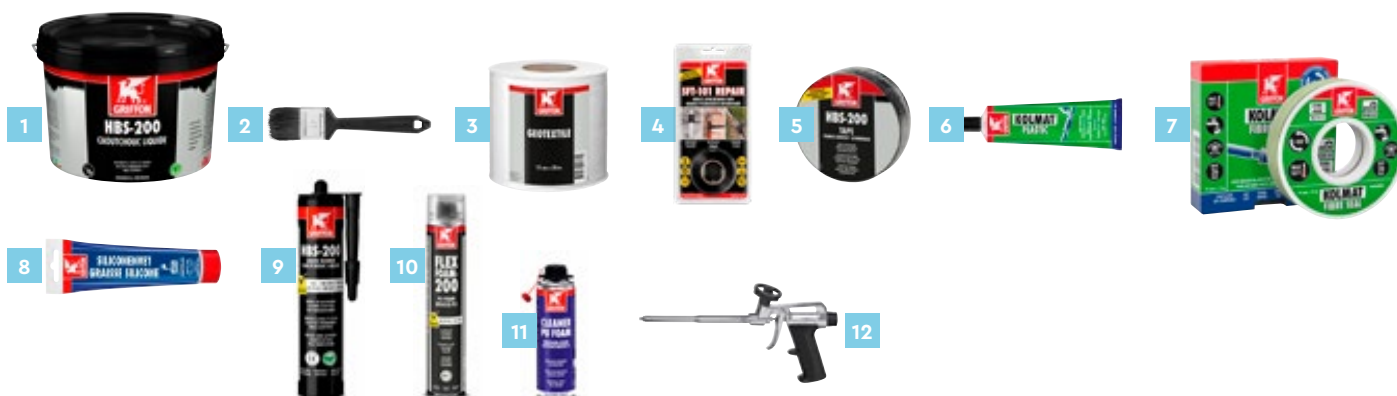


+ Install 50 cm of transparent tubing on the drain port to monitor the progress of each back wash.

* The spacer holds the pipe away from the wall to allow a 1/4 turn valve to be mounted between two pipe clips.

ACCESSORIES: GLUE, STRIPPER, LIQUID RUBBER AND OTHERS

Family 5600



Code	Description	Price
Liquid rubber (universal coating – water and air tight)		
1	1399400 Liquid rubber HBS-200 – 1 litre pot	
	1399420 Liquid rubber HBS-200 – 5 litre pot	
2	1399490 Brush, 40 mm,HBS-200	
3	1399460 Geotextile HBS-200 15cm x 20m	
Tools for PVC pipes		
4	1398900 Silicon based, universal repair tape, self-fusing – SFT-101 3m x 25mm	
5	1397070 Water – Air – instant sealing tape – S7.5 cm x 5 m	
Waterproofing of threaded unions, synthetic materials		
6	1397050 Kolmat plastic, 125 g tube	
7	1397060 Impregnated, fibre-reinforced sealing tap – Kolmat Fibre 15m x 14mm	
Silicon (lubricant for valves and taps) – ACS approved		
8	1397250 Tube of silicon – 125 g	
9	1399410 Liquid cartridge, 310 g cartridge NEW	
10	1399500 PU Flex Foam-200 flexible 750 ml NEW	
11	1399520 PU foam cleaning agent NEW	
12	1399550 PU foam dispensing gun NEW	

ACCESSORIES: TEFLON, JOINT COMPOUND, GREASE, GLUE AND MASTIC

Family 5600



Code	Description	Price
Teflon and joint compound for rigid PVC		
13	1397100 Roll of Teflon, 12 m NEW	
	1397100 Roll of Teflon, 12 m NEW	10 rolls, per unit
14	1397150 Wide roll of Teflon (19 mm x 50 m)	
Magic lube grease		
15	1397200 Magic Lube 631 lubricant	140 g tube
	1397200 Magic Lube 631 lubricant	box of 10 tubes, per unit
Glue and mastic		
16	1397300 Tube of CC 2000 PRO Texton mastic	
	1397300 Tube of CC 2000 PRO Texton mastic	box of 25 tubes, per unit
	1397350 Tube of CC 2000 PRO Texton mastic,transparent	
	1397350 Tube of CC 2000 PRO Texton mastic,transparent	box of 25 tubes, per unit
17	1397400 Tube of MS 3000 PRO mastic, white	
	1397402 Tube of MS 3000 PRO mastic, dark blue	
	1397405 Tube of MS 3000 PRO mastic, beige	
	1397408 Tube of MS 3000 PRO mastic, grey	
	1397409 Tube of MS 3000 PRO mastic, black	
	1397450 Tube of MS 3000 PRO mastic, transparent	

ACCESSORIES: GLUE, STRIPPER, RUBBER AD OTHERS

Family 5600



NEW

+ WDF-05 glue is ACS (Attestation of Sanitary conformance for drinking water) compliant.



Code	Description	Price
GRIFFON GLUE (FOR USE IN WET environments) for flexible and rigid PVC pipes – blue glue		
1	1396312 WDF-05 glue – Pot of glue with applicator, 125 ml	
	1396312 WDF-05 glue – Pot of glue with applicator, 125 ml	Box of 10 pots, per unit
	1396325 WDF-05 glue – Pot of glue with applicator, 250 ml	
	1396325 WDF-05 glue – Pot of glue with applicator, 250 ml	Box of 24 pots, per unit
	1396350 WDF-05 glue – Pot of glue with applicator, 500 ml	
	1396350 WDF-05 glue – Pot of glue with applicator, 500 ml	Box of 12 pots, per unit
Griffon GLUE (pressure and drains) for rigid pvc		
2	1396100 PVC GEL AQUA glue – Pot of glue with applicator, 250 ml	
	1396100 PVC GEL AQUA glue – Pot of glue with applicator, 250 ml	Box of 24 pots, per unit
	1396150 PVC GEL AQUA glue – Pot of glue with applicator, 500 ml	
	1396150 PVC GEL AQUA glue – Pot of glue with applicator, 500 ml	Box of 12 pots, per unit
	1396200 PVC GEL AQUA glue – Pot of glue with applicator, 1 litre	
	1396200 PVC GEL AQUA glue – Pot of glue with applicator, 1 litre	Box of 8 pots, per unit
3	1396250 PVC UNI-100 GT, pot of glue, 1 litre	
	1396250 PVC UNI-100 GT, pot of glue, 1 litre	Box of 8 pots, per unit
Stripper for rigid pvc and abs		
4	1396750 CLEANER stripper – Container, 250 ml	
	1396750 CLEANER stripper – Container, 250 ml	Box of 12 containers, per unit
	1396760 Pot of PVC stripper, 500 mL NEW	
	1396760 Pot of PVC stripper, 500 mL	Box of 6 containers, per unit
	1396800 CLEANER stripper – Container, 1 litre	
	1396800 CLEANER stripper – Container, 1 litre	Box of 6 containers, per unit
Glue and mastic (glueing, assembly and leakproofing even under water, compatible with Chlorine and salt water)		
5	1398100 Aqua Max® glue, white	425 g cartridge
	1398100 Aqua Max® glue, white	Box of 12 cartridges, per unit
6	1398108 Aqua Max® glue, grey	425 g cartridge
	1398108 Aqua Max® glue, grey	Box of 12 cartridges, per unit
Glue (with suction effect)		
7	1398950 Polymax® High Tack Express glue, for repairs out of water	410 g cartridge
	1398950 Polymax® High Tack Express glue	Box of 12 cartridges, per unit

+ **PROCOPI TOP TIP**

Plumbing tools are listed on, page 128.



BWT CONSTRUCTION & RENOVATION

Complies with the following standards:

Directive 97/23/EC: Pressure equipment

NF EN 16713-1 (04/2016): Private family pools – Water distribution systems

Filtration systems – Requirements and test methods

NF EN 16713-2 (04/2016): Private family pools – Water distribution systems

Circulation systems – Requirements and test methods

02

Filters

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HYDRAULIC *optimisation*

The current situation

During the summer, a pool accounts for 45% of the electrical consumption of a home, 90% is consumed by the filtration pump alone (excluding heating)*. The service life of pool materials often comes up. Pumps are installed close to homes and can cause noise pollution.

*Source: Report ADEME-EDF dated 2007 concerning the electrical consumption of private pools.

The objectives

These observations led to three major objectives:

- Decrease the pool's electrical consumption
- Decrease noise pollution
- Increase the service life of materials



To meet all these objectives, there is one simple and sensible solution, hydraulic optimisation.

The principal is relatively simple. It involves optimising the sizing of the pool's hydraulic circuit by choosing materials that feature low hydraulic resistance. This makes it possible to install a smaller pump and maintain the same filtration rate.

Neither the operation of various pool devices (heat pumps, treatments systems, etc.) nor the efficiency of pool skimmers will be impacted by an inadequate flow of water.

Significant energy savings

A Eurostar II-50 pump on an optimised hydraulic circuit will generate the same flow rate (11.5 m³/h) as a Eurostar II-100 pump on a conventional hydraulic circuit. In this context, a Eurostar II-50 pump would only consume 600 W compared to a Eurostar II-100 pump which would consume 950 W, this corresponds to an energy saving of 36 %, or, in other words, several hundred Euro each year.

This solution offers the fastest return on investment

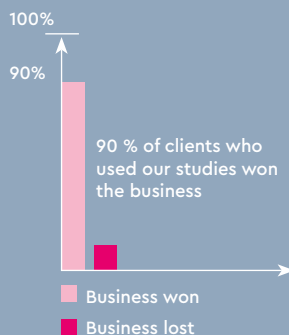
Hydraulic optimisation of an 8x4 m pool will cost the end user about 450 Euro after tax. Given the energy savings achieved (approximately 150 Euro per year), the return on investment is fast (3 years).

A more silent filtration group

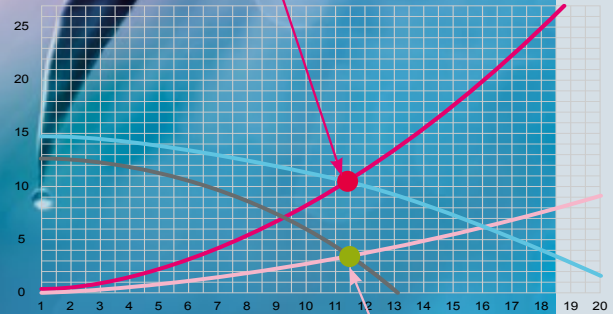
Thanks to hydraulic optimisation, a smaller, and therefore quieter, pump can be installed. Hydraulic optimisation also decreases the speed at which water passes through the pipework, this reduces the amount of noise caused by water travelling through the system.

Increased service life of materials

Optimising the hydraulic circuit significantly reduces the pressure in the circuit. This increases the service life of every element of the hydraulic circuit: Pump, filter, heat exchanger, unions, etc.



Operation point of a standard filtration group
Consumption : 950 W



Operation point of an optimised filtration group
Consumption : 600 W

Load loss of an optimised hydraulic circuit in an 8x4 m pool
 Load loss of a standard hydraulic circuit in an 8 x 4 pool
 EUROSTAR II-100 pump performance curve
 EUROSTAR II-50 pump performance curve

Procopi's approach

Procopi decided to commit to hydraulic optimisation in several ways:

Investment in R&D

Procopi has built a test bench to measure load losses and establish the hydraulic fingerprint of every equipment item through which water flows that it offers (heat exchangers, electrolyser cells, etc.). Using these hydraulic fingerprints and powerful hydraulic modelling software, we can simulate the load loss over a pool's hydraulic circuit.

Procopi is committed to the continuous improvement of its products in order to decrease the load losses that they generate.

Partnering pool professionals:

Hydraulic studies

Procopi offers customised Hydraulic Studies, an invaluable sales tool that assists your quest for hydraulic optimisation and sustainable development.

You fill in a simple form describing the pool's main characteristics. We then prepare a Hydraulic Study using our powerful hydraulic modelling software that precisely calculates the load loss generated by the hydraulic circuit. This allows us to recommend materials suited specifically to your project.

You will be provided with a comprehensive file that will allow you to provide your customer with detailed information concerning electrical consumption.

Low pressure injection technology

- Low pressure injection moulding.
- Resin Transfer Moulding.

HIGH TECHNOLOGY

- High quality finish.
- Regular composite thickness.
- Perfectly smooth inner and outer surfaces.

Controlled automated production

- Irreproachable reproducibility.

Pressure resistance:

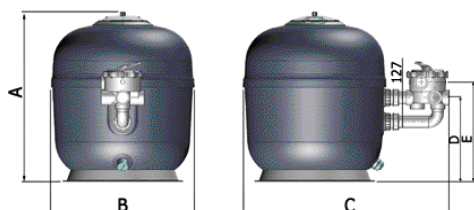
- Maximum operating pressure (according to NF P 90 319): 2 bar.

RTM filter: a filter designed with Professionals in mind

- Wide opening, Ø 250 mm, no nuts or bolts.
- Wide drain Ø 50 mm with strainer that can be unscrewed from the outside.
- Internal components are screwed together so dismantling is easy.

Guarantee

- 10 year guarantee on the filter shell.
- In the event of a replacement under guarantee, the cost of labour is also covered.



Dimensions	Valve	A	B	C	D	E
Ø 500 - 20"	1"1/2	802	503	800	417	476
Ø 610-A - 24"	1"1/2	840	612	915	418	477
Ø 610-B - 24"	2"	840	612	930	418	493
Ø 760 - 30"	2"	985	762	1083	495	576
Ø 920 - 36"	2"	1111	923	1245	557	638

RTM filters	Ø 500 mm 20 "	Ø 610 mm A & B 24 "	Ø 760 mm 30"	Ø 920 mm 36"
Filter medium (kg)	75 (of which 25 Kg 2.0/4.0 gravel)	125 (of which 25 Kg 2.0/4.0 gravel)	250 (of which 50 Kg 2.0/4.0 gravel)	350 (of which 75 Kg 2.0/4.0 gravel)
Surface area (m ²)	0.2	0.28	0.44	0.65
Maximum filtration rate (m ³ /h/m ²)	50	50	50	50
Flow rate at 40 m ³ /h per m ² of filtration surface area (m ³ /h)	8	11.2	17.6	26.4
Flow rate at 50m ³ /h per m ² of filtration surface area (m ³ /h)	10	14	22	33*



*Due to the load loss generated, the maximum recommended flow rate the 920 filters fitted with a 2" valve is 26 m³/h (at this flow rate, the throughput is approximately 40m³/h/m²)

Maximum filtration rate

Filter diameter	Private pool French standard FR EN 16782-1	Commercial pool Maximum flow rate to be in line with regulations	
	Maximum filtration rate, in m ³ /h, for a throughput speed of 50 m/h*	Maximum filtration rate, in m ³ /h, for a throughput speed of 40 m/h*	Maximum filtration rate, in m ³ /h, for a throughput speed of 30 m/h*
Ø400	6.0	4.8	3.6
Ø500	10.0	8.0	6.0
Ø610	14.0	11.2	8.4
Ø760	22.0	17.6	13.2
Ø920	33.0	26.4	19.8

BWT RTM HF SIDE 



- Smooth, antibacterial inner surface for cleaner filtration,
- Very low load loss due to the design of the interior, the very best in hydraulic optimisation,
- Jacketed, high flow rate laterals that are less prone to clogging and require less water for unclogging,
- Diameter 500 to 920 mm.

BWT RTM CS SIDE 



- Low load loss to the design of the interior,
- Adjustable pressure group to be mounted on the valve,
- Wide transparent lid, 250 mm wide, with an air vent,
- Internal pipework diameter, 63 mm,
- Bottom drain, diameter 50 mm,
- Smooth inner coating,
- Diameter 500 to 920 mm.

BWT RTM CT TOP 



- Low load loss to the design of the interior,
- Adjustable pressure group to be mounted on the valve,
- Easy orientation of the 6-way valve to facilitate installation,
- Wide 250 mm opening,
- Bottom drain, diameter 50 mm,
- Smooth inner coating,
- Diameter 500 to 920 mm.

BWT PYTHON SIDE HIGH FLOW RATE 



- Smooth inner surface,
- Very low load loss due to the design of the Ø 90 mm internal pipework, the very best in hydraulic optimisation,
- Two storey underdrain assembly with jacketed, high flow rate laterals, that are less prone to clogging and require less water for unclogging,
- Diameter 900 to 1200 mm.

BWT PYTHON SIDE SLOW FILTRATION RATE 



- Ideal for high quality filtration with a low throughput rate,
- Low load loss due to the design of the internal pipework, Ø 63 mm,
- Wide transparent lid, diameter, with an air vent,
- Bottom drain, diameter 50 mm,
- Smooth inner surface.

BWT PYTHON SIDE 



- Low load loss due to the design of the interior,
- Wide transparent lid diameter 250 mm, with an air vent,
- Internal pipework diameter 63 mm,
- Bottom drain, diameter 50 mm,
- Smooth inner surface,
- Diameter 500 to 920 mm,
- Maximum operating pressure, 2.5 bar.

BWT PYTHON TOP 

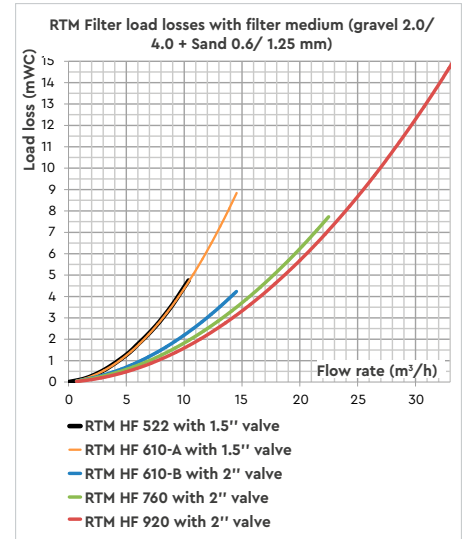


- Low load loss due to the design of the interior,
- Easy orientation of the 6-way valve to facilitate installation,
- Wide 250 mm diameter,
- Bottom drain, diameter 50 mm,
- Smooth inner surface,
- Diameter 500 to 920 mm,
- Maximum operating pressure, 2.5 bar.



Technical data:

- Smooth, antibacterial inner surface for cleaner filtration,
- Very low load loss due to the design of the interior, the very best in hydraulic optimisation.
- Wide transparent lid, diameter 250 mm, with integrated air vent,
- Adjustable pressure gauge, to be mounted on the valve,
- No threading on the cover,
- Pre-assembled 1" ½ and 2", with solvent unions,
- Pipework diameter – 63 mm, large radius elbows, easy to dismantle,
- The upper collector can swivel through 90°,
- Lower drain, diameter 50 mm,
- Strainer on the lower drain, may be unscrewed from the exterior,
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- High linear flow rate laterals, 6 branch manifold,
- Colour customisation (subject to conditions),
- Easy to assemble,
- Simple to maintain.



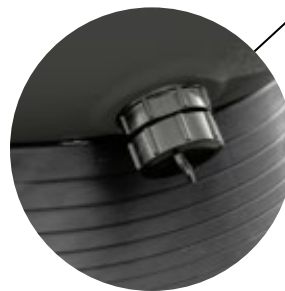
Code	Description	Price
22210400	RTM HF-SIDE 500 sand filter, with 1"1/2 multiport valve	
22310400	RTM HF-SIDE 610-A sand filter, with 1"1/2 multiport valve	
22320400	RTM HF-SIDE 610-B sand filter, with 2" multiport valve	
22420400	RTM HF-SIDE 760 sand filter, with 2" multiport valve	
22520400	RTM HF-SIDE 920 sand filter, with 2" multiport valve	



RTM CS SIDE 610B: Excellent hydraulic optimisation



Pre-assembled 1" ½ and 2" valves, with solvent unions, adjustable pressure gauge to be mounted on the lid.



Lower drain, diameter 50 mm



High flow rate laterals, 6-branch manifold with automatic vent.



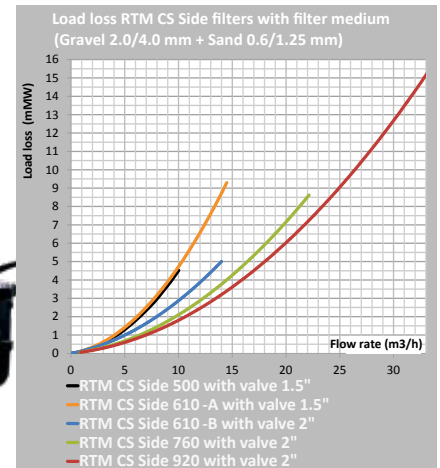
RTM HF-SIDE 920

BWT RTM CS - SIDE FILTERS 

Family 880

Technical data:

- Wide transparent cover, diameter 250 mm, with air bleed,
- No threading on the cover,
- Comes with a 1" or 1 1/2" valve (not mounted, delivered in a separate package) and screw type unions,
- Pressure gauge to be mounted on the valve,
- Internal pipe work diameter, 63 mm,
- Lower drain, diameter 50 mm,
- Strainer on the lower drain, may be unscrewed from the exterior,
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- Bar laterals, 6 branch manifold, with automatic vent,
- Easy to assemble,
- Simple to maintain.



RTM CS SIDE 610B: Excellent hydraulic optimisation

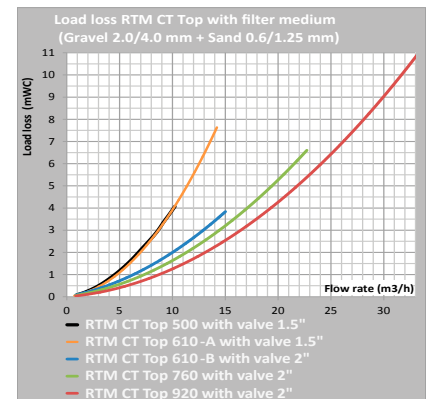
Code	Description	Max flow rate m ³ /h	Filter Ø mm	Filter Height	Filter medium gravel/ sand	Valve	Price
RTM CS sand filter with multiport valve							
22210200	CS 500 with multiport valve	10	500	802	75 (of which 25 kg is gravel)	1 1/2"	
22310200	CS 610-A with multiport valve	14	610	840	125 (of which 25 kg is gravel)	1 1/2"	
22320200	CS 610-B with multiport valve	14	610	840	125 (of which 25 kg is gravel)	2"	
22420200	CS 760 with multiport valve	22	760	985	250 (of which 50 kg is gravel)	2"	
22520200	CS 920 with multiport valve	33*	920	1111	350 (of which 75 kg is gravel)	2"	

BWT RTM CT - TOP FILTERS 

Family 880

Technical data:

- 1 1/2" or 2" valve (not mounted, delivered in a separate package),
- TOP lid, not assembled, with necessary o-rings,
- Pressure gauge to be mounted on the valve,
- Internal pipe work diameter, 50 or 63 mm,
- Lower drain, diameter 50 mm,
- Strainer on the lower drain, may be unscrewed from the exterior,
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- Bar laterals, 6 branch manifold,
- Easy to assemble,
- Simple to maintain.



Models up to 920 available inTop 2'

Code	Description	Max flow rate m ³ /h	Filter Ø mm	Filter Height	Filter medium gravel/ sand	Valve	Price
RTM CT sand filter with multiport valve							
22270200	CT 500 with multi-port valve	10	500	1029	75 (of which 25 kg is gravel)	1 1/2"	
22370200	CT 610-A with multiport valve	14	610	1039	125 (of which 25 kg is gravel)	1 1/2"	
22380200	CT 610-B with multiport valve	14	610	1080	125 (of which 25 kg is gravel)	2"	
22480200	CT 760 with multiport valve	22	760	1220	250 (of which 50 kg is gravel)	2"	
22580200	CT 920 with multiport valve	33*	920	1357	350 (of which 75 kg is gravel)	2"	

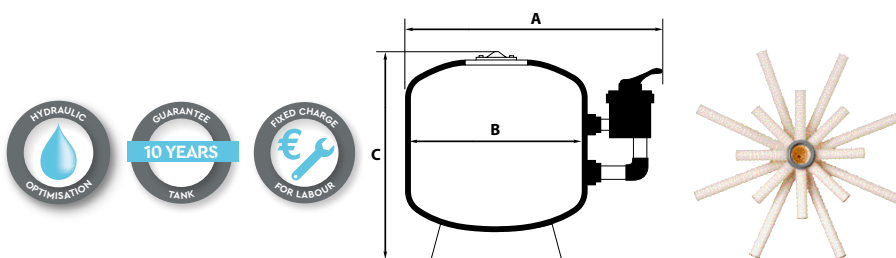
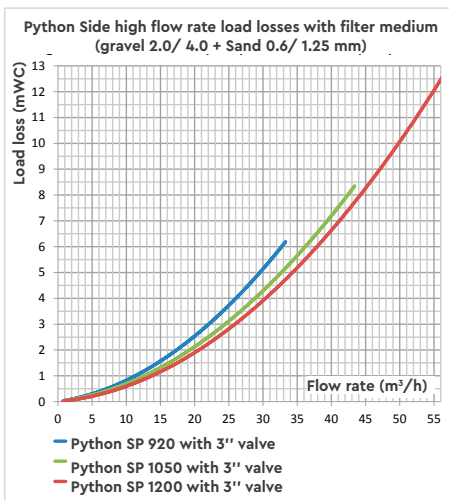
+ *Due to the load loss generated, the maximum recommended flow rate the 920 filters fitted with a 2" valve is 26 m³/h (at this flow rate, the throughput is approximately 40m³/h/m²)

BWT PYTHON SIDE FILTERS - HIGH FLOW RATE

Families 1125 & 5600



- Bobbin wound reinforced polyester shell,
- Wide transparent lid, diameter 250 mm,
- Stainless steel pressure gauge integrated into the 6-way valve,
- No threading on the cover,
- Valve enclosed with the connection kit, to be glued and assembled,
- Lower drain, diameter 50 mm,
- Strainer on the lower drain, may be unscrewed from the exterior,
- Internal pipework diameter, 90 mm
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- Garantie 10 ans sur la cuve,
- Star shaped 2 storey underdrain assembly,
- Maximum operating pressure (according to NF P 90 319): 2.5 bar,
- Filters compatible with ozone treatment are available on request,



		SP 920	SP 1050	SP 1200
A - Overall width	mm	1450	1550	1750
B - Inner diameter	mm	895	1000	1200
C - Overall height	mm	1050	1210	1380
Necessary room height	mm	1070	1260	1470

Code	Description	Filtration surface area m ²	Flowrate			Filter Ø mm	Filter medium, sand, kg	Price
			30 m ³ /h/m ²	40 m ³ /h/m ²	50 m ³ /h/m ²			
Filters with valve								
8062700	Python SP-920 with 3" valve	0.65	20	26	32	920	350 (of which 75 kg is gravel)	
8063200	Python SP-1050 with 3" valve	0.87	26	35	43	1050	650 (of which 150 kg is gravel)	
8063600	Python SP-1200 with 3" valve	1.13	34	45	56	1200	850 (of which 225 kg is gravel)	


BWT PYTHON SIDE FILTERS - SLOW FILTRATION RATE

Family 1125

Code	Description	Max flow rate m ³ /h	Filter		Filter medium gravel/ sand	Valve	Price
			Ø mm	Height			
8053000	Python filter S-1050	26	1050	1210	650 (of which 150 kg is gravel)	2"	



- Bobbin-wound reinforced polyester tank,
- Wide transparent lid, diameter 250 mm,
- Stainless steel case pressure gauge integrated into the 6-way valve,
- No threading on the lid,,
- Pre-assembled multi-port valve, solvent unions,
- Internal pipework diameter 63 mm, large radius elbow,
- Lower drain, diameter 50 mm,
- Lower drain strainer, unscrewed from the outside,
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- High linear flow rate laterals, 6 branch manifold,
- Maximum operating pressure (according to (NF EN 16782-1) : 2.5 bar.

 These filters are not sold with the filter medium (use sand with a grain size of 0.6 to 1.25 and gravel 2.0 to 4.0).

BWT PYTHON SIDE FILTERS 

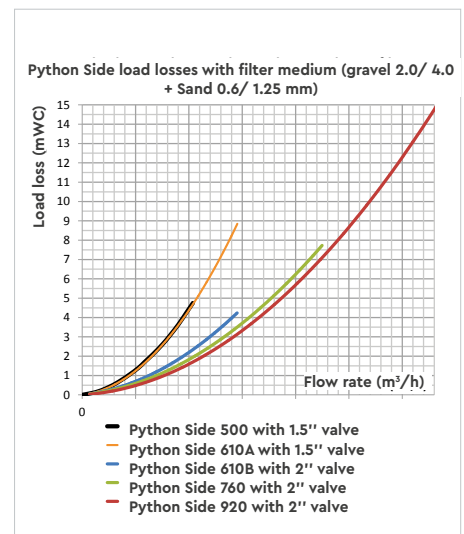
Family 1125

Technical data:

- Bobbin-wound reinforced polyester tank,
- Wide transparent lid, diameter 250 mm,
- Stainless steel case pressure gauge integrated into the 6-way valve,
- No threading on the lid,,
- Pre-assembled multi-port valve, solvent unions,
- Internal pipework diameter 63 mm, large radius elbow,
- Lower drain, diameter 50 mm,
- Lower drain strainer, unscrewed from the outside,
- A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
- High linear flow rate laterals, 6 branch manifold,
- Maximum operating pressure (according to (NF EN 16782-1) : 2.5 bar.



PYTHON 610B: Excellent hydraulic optimisation



• except the S-500 model

Code	Description	Max flow rate m ³ /h	Filter Ø mm Height		Filter medium gravel/ sand	Valve	Price
8051000	Python filter S-500	10	500	750	75 (of which 25 kg is gravel)	1"1/2	
8051500	Python filter S-610-A	14	610	785	125 (of which 25 kg is gravel)	1"1/2	
8051600	Python filter S-610-B	14	610	785	125 (of which 25 kg is gravel)	2"	
8052100	Python filter S-760	22	760	900	250 (of which 50 kg is gravel)	2"	
8052500	Python filter S-920	33*	920	970	350 (of which 75 kg is gravel)	2"	

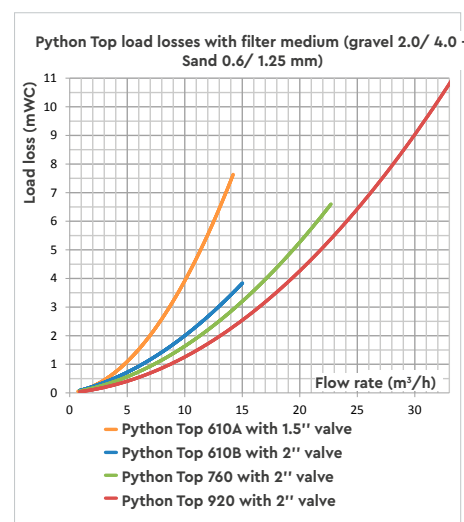
+ *Due to the load loss generated, the maximum recommended flow rate the 920 filters fitted with a 2" valve is 26 m³/h (at this flow rate, the throughput is approximately 40m³/h/m²)

BWT PYTHON TOP FILTERS 

Family 1125

Technical data:

- Bobbin wound reinforced polyester shell,
- The Python Top filter is fitted with bar laterals and a 6 branch manifold,
- The filters are delivered with a Top 6-way multiport valve (screwed) and an adjustable pressure gauge. Python Top 610, 760 and 920 models are fitted with the same valve as the RTM CT filters,
- Lower drain, diameter 18 mm for the 500 model and diameter 50 mm for the 610, 760 and 920 models,
- Max operating pressure (according to NF P 90 319): 2.5 bar.



Code	Description	Max flow rate m ³ /h	Filter Ø mm Height		Filter medium gravel/ sand	Valve	Price
8071000	Python filter T-500	10	500	940	75 (of which 25 kg is gravel)	1"1/2	
8071500	Python filter T-610A	14	610	1020	125 (of which 25 kg is gravel)	1"1/2	
8071600	Python filter T-610B	14	610	1061	125 (of which 25 kg is gravel)	2"	
8072100	Python filter T-760	22	760	1130	250 (of which 50 kg is gravel)	2"	
8072500	Python filter T-920	33*	920	1201	350 (of which 75 kg is gravel)	2"	

UHFP CALIBRATED SILICA

High performance

The new Ultra-High Filtration Performance calibrated silica was formulated specifically for Procopi. It ensures super fine filtration that is key to meeting the challenges we set ourselves: to reduce the consumption of pool chemicals and decrease the consumption of energy.

UHFP calibrated silica is a highly siliceous quarry sand composed of 99.5 % Silica. The sand is rated as 7 on the Mohs scale of hardness (10 being the maximum).

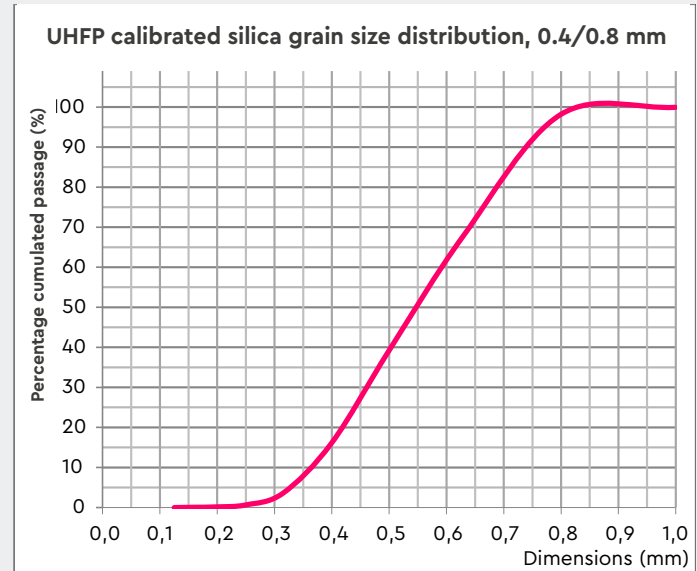
Description	
SILICA	> 99.5 %
ALUMINIUM	< 0.2
IRON OXIDE	< 0.1
LIME	< 0.2
MAGNESIUM OXIDE	< 0.1
SODIUM	< 0.1

The ultra-high filtration performance calibrated silica complies with the French standard NF EN 12904 (Standard concerning products used for the treatment of water intended for human consumption – Quartz gravel and sand).

The grain size that is particularly suitable for the filtration of swimming pool water; 98.2 % of the sand by weight has a grain size of less than 0.80 mm, this ensures excellent filtration finesse.

This new filtration silica, as well as all the various filtration sands and glasses on the market, were subjected to turbidity reduction tests in accordance with the standard NF EN 16713-1 Private family pools – Filtration systems.

However, we wanted to push testing further to mimic the operating conditions of a real pool subject to continuous pollution.



We conducted 5 test phases for each filter medium. At this time, the standard requires only 1 test phase.

Furthermore, UHFP calibrated silica achieves these performance levels without generating additional load loss.

In fact, the process used to manufacture this UHFP silica is mechanical grinding, this creates a rounded particle shape that limits load losses.

UHFP silica therefore offers a better filtration finesse without increasing the pump's energetic consumption.

This results in the reduced consumption of and increases the service life of the filtration pump.

UHFP calibrated silica is a true revolution in the world of pool water filtration.

*Filtration finesse,
reduction of turbidity,
throughput rate*

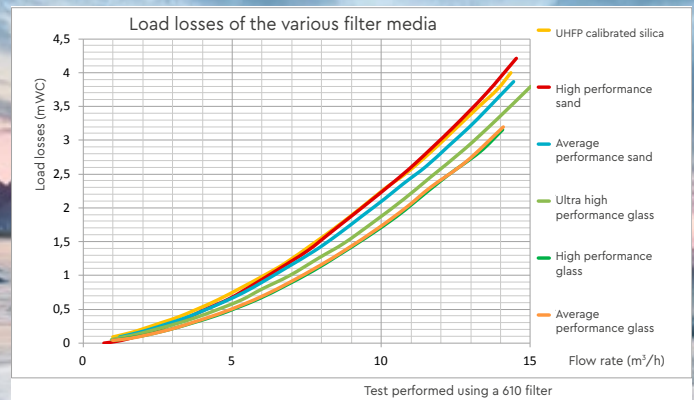
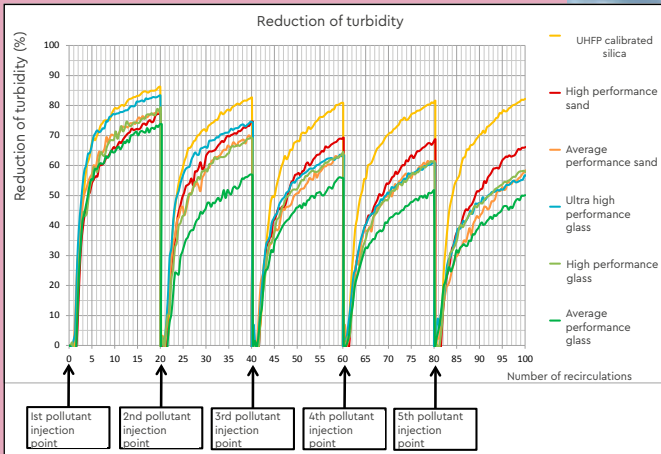
- The reduction of turbidity is directly dependant on filtration finesse.

- Filtration finesse is directly dependant on the rate of passage through the filter.

Some players on the market claim a filtration finesse of between 5 and 15 microns achieved by using ultra high performance glass. The study opposite shows that UHFP calibrated silica reduces turbidity by 82.2%, while an ultra high performance glass only achieves a reduction of 57.8%.

UHFP calibrated silica reduces turbidity by 42% more than ultra-high performance glass.

This means that we can unequivocally state that UHFP calibrated silica is better than ultra high performance glass.



Filter media	Grain size of the 2 filtering layers	Speed of passage through the filter (m/h)	Reduction of turbidity after 5 test phases (%)
UHFP calibrated silica	Silica 0.4 / 0.8 mm Silica 2.5 / 5.0 mm	50	82.2
High performance sand	Sand 0.6 / 1.25 mm Gravel 2.0 / 4.0 mm	50	66.2
Average performance sand	Sand 0.8 / 1.3 mm Gravel 2.5 / 5.0 mm	50	58.4
Ultra high performance glass	Glass 0.5 / 1.0 mm Glass 3.0 / 6.0 mm	50	57.8
High performance glass	Glass 0.5 / 0.6 mm Glass 1.0 / 1.1 mm	50	56.5
Average performance glass	Glass 0.7 / 1.3 mm Glass 2.0 / 5.0 mm	50	50.1

UHFP CALIBRATED SILICA & HFP SAND

Family 600



+ PROCOPI TOP TIP

Our turbidity meters are listed on page 342

Code	Description	Price
Calibrated silica		
247000	UHFP calibrated silica 0.4/ 0.8 mm	25 kg bag
247100	UHFP calibrated silica 0.4/ 0.8 mm	Pallet of 48 bags, that is 1,200 Kg
247500	UHFP calibrated silica 2.5/ 5 mm	25 kg bag
247600	UHFP calibrated silica 2.5/ 5 mm	Pallet of 48 bags, that is 1,200 Kg
Sand and gravel		
241000	High filtration performance sand 0.6/1.25	25 kg bag
241100	High filtration performance sand 0.6/1.25	Pallet of 48 bags, that is 1,200 Kg
243000	High filtration performance gravel 2.0/4.0	25 kg bag
243100	High filtration performance gravel 2.0/4.0	Pallet of 48 bags, that is 1,200 Kg
81505	Transport per 25 kg bag (silica, sand or salt)	Net price exVAT
81510	Transport, pallet of silica, sand or gravel	Net price exVAT

FILTER MEDIA & ACCESSORIES

DIATOMACEOUS EARTH

Family 600



Code	Description	Price
259070	Bag of D.E. 5 kg	per bag
259070	Bag of D.E. 5 kg	60 bags, per bag
259080	Bag of D.E. 10 kg	per bag
259080	Bag of D.E. 10 kg	40 bags, per bag

+ The D.E. filter is not compatible with water treatment by UV irradiation.

ADJUSTABLE PRESSURE GAUGES

Family 500



Code	Description	Price
8051055	Pressure gauge D40 - 2.5 bar, lateral threading (1/4")	
8051055	Pressure gauge D40 - 2.5 bar, lateral threading (1/4")	Set of 10

ASSEMBLY UNION

Family 5600



Code	Description	Price
1359050	PVC union, threaded 1"1/2 x 50 mm with o-ring	
1359063	PVC union, threaded 2" x 63 mm with o-ring	

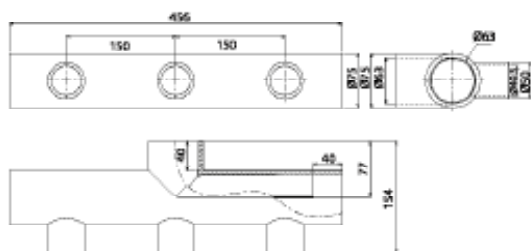
SUCTION AND RETURN MANIFOLDS

Family 5600

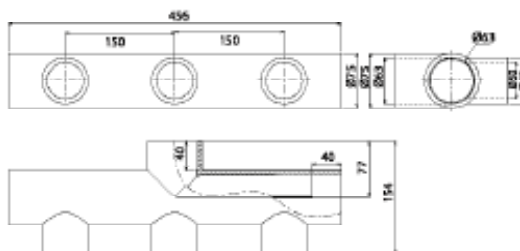


Code	Description	Price
1398050	ABS suction manifold, 3 inlets, solvent, Ø 50 (male)	
1398063	ABS suction manifold, 3 inlets, solvent, Ø 63 (male)	
1399050	Manifold cap, 50/63	

Delivered with 2 solvent type blanking caps 63/50 male/female



50 mm manifold



63 mm manifold



AUTOMATIC VALVES

Family 500

+ Easy valve ports are solvent type. Use the connection kit 8051050 (Ø 50 mm) and 8052150 (Ø 63 mm), to adapt to our Python and RTM HF filters.

	Code	Description	Price
1	201100	Easy 1000 automatic 6-way valve with timer - 1" 1/2	
	201200	Easy 1000 automatic 6-way valve with timer - 2"	
	201400	Easy 4000 automatic 6-way valve with timer & pressure gauge - 1"1/2	
	201500	Easy 4000 automatic 6-way valve with timer & pressure gauge - 2"	

+ Available in 230 volts only

VALVES FOR RTM, PYTHON, AND VIPER FILTERS

Family 500

	Code	Description	Price
2	202100	SM-10×32/P valve - 1"1/2 tapped ports, for S-500 and S-610-A	
	202200	SM-20×32/P valve - 2" tapped ports, for S-610-B to S-1000	
3	202300	TM-12 valve, 6" threaded - 1"1/2 tapped ports for Python Top 500	
	202330	TM-22 valve, 6" threaded - 2" tapped ports	
4	202360	TM-12 valve, 8" - 1"1/2 tapped ports, for Python filters > 500 and RTM Top	
5	202370	TM-22 valve, 8" - 2" tapped ports, for Python filters and RTM Top	
	202350	SM 30×32/P valve - 3" tapped ports with connection kit, to be glued and assembled	
6	202110	Self-adhesive label, 4 languages, for RTM and Python, 1" 1/2 valve	set of 10
	202210	Self-adhesive label, 4 languages, for RTM and Python, 2" valve	set of 10
7	22390200	RTM filter holding ring/ tightening tool	



	Code	Description	Price
	202450	TOP-3000 1"1/2 valve - tapped 1" 1/2 ports, for Magic and Naja Top filter	

VALVES FOR LACRON FILTERS

Family 500



	Code	Description	Price
	204100	SM-10/3 valve - 1"1/2 tapped ports	
	204200	SM-20/3 valve - 2" tapped ports	

ALL VALVES (ALL PORTS OPEN AND TAPPED)

Family 500

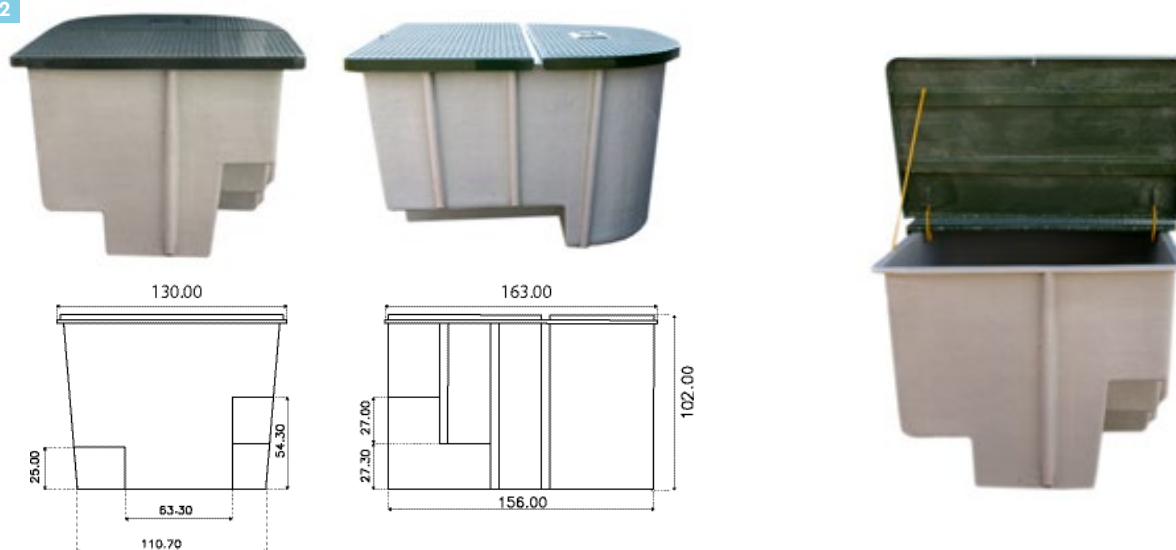


	Code	Description	Price
	205100	SM 10-AO valve - white - 1"1/2 tapped ports	
	205200	SM 20-AO valve - white - 2" tapped ports	
	205300	SM 30-AO valve - white - 3" tapped ports	
	205350	SM 30-AO valve - black - 3" tapped ports	

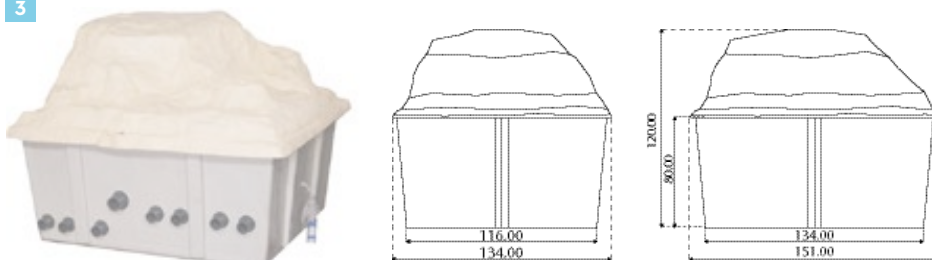
1



2



3



Plant housings are made of fibre glass reinforced polyester, three versions are available:

- The Sedici underground model (small model), with a flat lid flush with the ground,
- The Comodo underground model (large model), with a flat lid flush with the ground,
- The Roc emergent model (large model), with imitation rock cover.

	Code	Description	Price
1	759200	Sedici underground plant housing, housing only	
2	760200	Comodo underground plant housing, housing only	
3	760800	Roc emergent plant housing, housing only	
	1392050	Throughwall flange 50 mm, solvent	
	1392063	Throughwall flange 63 mm, solvent	

D.E. FILTERS

Families 760 & 750



+ The D.E. filter is not compatible with water treatment by UV irradiation.

	Code	Description	Maximum pressure	Filter height	D.E. quantity	Max flow rate m ³ /h	Price
QUAD							
1	256000	Quad D.E. filter*	3.50 BARS	110 CM	2,7 KG	27,20	
	Code	Description					Price
Accessories							
2	256010	Valve kit, 2", for Quad filters					
3	256100	Separation tank for Quad filters					

POSI-CLEAR PXC RP CARTRIDGE FILTERS

Family 1100



Technical data:

- Cartridge easy to remove and rinse,
- High flow rate hand operated air vent,
- Unions enclosed with the filter,
- Rapid release ring for fast and easy access to internal components.

Code	Description	Filtration surface area m ²	Max flow rate m ³ /h	Price
409400	Posi Clear PXC RP-100 cartridge filter	9.30	22.70	
409500	Posi Clear PXC RP-150 cartridge filter	13.90	34.10	
409600	Posi Clear PXC RP-200 cartridge filter	18.60	34.10	



	Code	Ref	Description	Height	Ø ext	Ø int	Price
	Hayward compatible						
1	366000	C-4325	Hayward C-200/225 cartridge	300	117	50	
	366500	C-7626	Hayward C-250 cartridge	250	175	75	
	367000	C-7656	Hayward C-500 cartridge	500	178	75	
	367500	C-7676	Hayward C-750 cartridge	745	178	75	
	368000	C-8600	Hayward C-800 cartridge	445	216	100	
	368500	C-8610	Hayward C-1100 cartridge	590	216	100	
	Martec compatible						
2	376000	C-4301	Martec Mar- 6 cartridge	378	125	55	
	376500	C-7415	Martec Mar-11 cartridge	377	190	75	
	377000	C-7419	Martec Mar-15 cartridge	556	190	75	
	Sta-Rite compatible						
3	411000	UHD-SR35	Sta-Rite 35 GPM cartridge	240	220	104	
	412000	UHD-SR50	Sta-Rite 50-GPM cartridge	339	220	104	
	413000	UHD-SR70	Sta-Rite 70 GPM cartridge	463	220	104	
	414000	UHD-SR100	Sta-Rite 100-GPM cartridge	654	220	104	
	415000	UHD-SR135	Sta-Rite 135-GPM/PF135 cartridge	873	220	102	
	416000	UHD-SR137	Sta-Rite 137-GPM/PTM135 cartridge	800	220	100	
	Harmsco/Subapac compatible						
4	348000	C-2300	Harmsco T-380 cartridge	set of 48	246	69	28
	348000	C-2300	Harmsco T-380 cartridge	Set of 12	246	69	28
	348000	C-2300	Harmsco T-380 cartridge	Set of 48	246	69	28
	Coleco compatible						
5	351000	C-4606	Coleco F-120 / DR-7 cartridge	202	110	50	



+ PROCOP! TOP TIP

WELTICO cartridges are listed in the myPOOL 2019 catalogue!

+ Some cartridges are compatible with other brands. To determine which model you need, refer to the dimensions, diameters and heights provided in the table.

Code	Description	Height	Ø ext	Ø int	Price
Spaquip cartridges					
1 378201	Spaquip 2075 cartridge	376	185	75	
378301	Spaquip 2100 cartridge	556	185	75	
378401	Spaquip 2150 cartridge	736	185	75	
Soliflow cartridge					
8493410	Soliflow cartridge	SEE THE AQUASERVICE CATALOGUE			
Spa cartridges					
31090199	SF-1C cartridge for spas•	230	145	50	
2 31090195	SF-2C cartridge for spas•• – screwed, 1"1/2	230	145	-	
2521500	Spa cartridge, set of 2	117	125	54	
Poi Clear and Posi Clear RP cartridges					
409150	Original cartridge for Posi Clear PXC-75 filter	440	225	100	
409250	Original cartridge for Posi Clear PXC-95 filter	440	225	100	
409350	Original cartridge for Posi Clear PXC-125 filter	715	225	100	
409450	Original cartridge for PosiClear PXC RP100	700	270	101	
409550	Original cartridge for PosiClear PXC RP150	790	255	101	
409650	Original cartridge for PosiClear PXC RP200	790	255	101	

• Spa cartridge: spa ST 2.18 – •• Spa cartridge : ST 3.17, ST 4.31



BWT CONSTRUCTION & RENOVATION

Complies with the following standards:

Directive 2005/88/EC: The Noise Emissions directive

NF EN 60335-1 (May 2013): household and similar electrical appliances. Safety - general requirements

NF EN 60335-2-41 +A1+A2 (July 2010): safety of pumps belonging to household and similar electrical appliances

Directive 2014/35/EU: the Low Voltage directive

Directive 2011/65/EU (RoHS 2 : Reduction of Hazardous Substances in electrical and electronic devices

NF EN 55014-1+A2 (February 2012): Electromagnetic compatibility. Part 1, Emission

NF EN 55014-2+A2 (July 2015): Electromagnetic compatibility. Part 2, Immunity

Directive 2014/30/EC: the Electromagnetic compatibility directive

NF EN 61000-6-1: Electromagnetic compatibility (ECM). Immunity for residential, commercial and light-industrial environments.

NF EN 61000-6-3: Electromagnetic compatibility (ECM). Emissions in residential, commercial and light-industrial environments.

03

Pumps

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BWT PUMP

Eurostar HF

The current situation

The filtration pump alone is responsible for 90% of a pool's electrical consumption and 45% of the electrical consumption of a home (excluding heating)*.

Pumps currently available on the market achieve their optimal hydraulic yield at total heads of 10 to 12 mWC (1.2 bar) while it is load losses that account for the electrical consumption of the pump.

Filtration pumps can give rise to noise pollution due to their design, if the plant housing is located near a residence this can be problematic.

Filtration pumps run over 2000 hours per year in very tough conditions (heat, treated water, salt, etc.).

The pump pre-filter baskets are frequently filled with debris that hinders the flow of water, this decreases the hydraulic yield and so increases the electrical consumption.

*Source: Report ADEME-EDF dated 2007 concerning the electrical consumption of private pools

The objectives

These observations led to the following objectives: :

- Decrease the electrical consumption of the filtration pump;
- Design silent running pumps that can run at optimised heads;
- Design reliable filtration pumps;
- Make it easier for users to clean out the pre-filter basket.

THE SOLUTION: EUROSTAR HF

High yield for energy savings

The design of EUROSTAR HF pumps ensures that they provide a hydraulic yield 20% higher than other pumps on the market in their category.

The hydraulic yield is especially optimised at heads of between 5 and 10 mWC, making EUROSTAR HF pumps ideal to achieve energy savings on both conventional hydraulic circuits and on optimised hydraulic circuits.

The quietest pump on the market in its category

The new pump design (large pre-filter, new generation volute) coupled with the low friction materials used, allow EUROSTAR HF pumps to run very silently: they are the least noisy pumps available on the market.



A lit pre-filter basket that separates into two sections

EUROSTAR HF pumps were designed to facilitate the lives of pool owners. The pre-filter lid is lit so that it is easy to see if the basket needs to be emptied, even in a dark plant room. Another ingenious and exclusive innovation, the pump basket comes apart to facilitate cleaning.



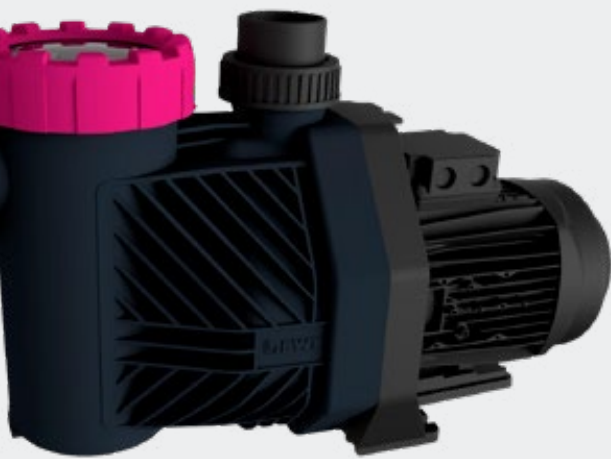
Modelling of the hydraulic flow



A lit
pre-filter
basket



PUMPS



Advantages for the consumer:

- Runs silently;
- Significant energy savings;
- Extremely reliable;
- Very easy to clean.

Advantages for the pool builder:

- Ideal for renovation projects and new builds;
- Versatile, modular hydraulic connections;
- Range from 7 to 40 m³/h;
- Tried and tested reliability;
- Spare parts compatible with other Eurostar range pumps.

Tried and tested design

EUROSTAR HF pumps are the result of 30 years experience and the continuous investment in improvement for which these pumps are known, not forgetting the latest innovations in terms of materials.

Versatile, modular pump connections

EUROSTAR HF pumps are delivered with barrel unions (collar + nut). However, the pump inlets/outlets are also tapped to accept standard threaded unions.

BWT EUROSTAR HF



- At an equivalent flow rate, the energy consumption is 20% less than most pumps available on the market,
- Runs very silently,
- Self-priming,
- The pre-filter basket is lit and separates into two parts, making it very easy to clean,
- Versatile, modular hydraulic connections,
- Range from 7 to 40 m³/h.

BWT EUROSTAR II



- The market reference,
- Tried and tested design,
- Corrosion proof,
- Self-priming,
- The pump body and pre-filter are made of fibreglass reinforced polypropylene,
- Runs very silently,
- Range from 7 to 22 m³/h.

BWT BELSTAR



- Pump body and pre-filter made of polypropylene,
- Large capacity pre-filter,
- Self priming,
- Transparent lid threaded around the exterior,
- Range from 7 to 32 m³/h.

BWT EUROSTAR ECO TOUCH PRO



- Variable speed pump,
- Customised settings from 1000 to 2830 RPM in steps of 50 RPM,
- Enables operation at variable flow rates,
- Display screen facilitates programming,
- Economy mode deactivates screen back lighting and reduces energy consumption,
- One single model: 17 m³/h.

BADU EASYFIT



- Thanks to its adaptor kit, may be used to replace most pumps available on the market,
- Badu EasyFit pumps are sold with a standard union kit for use in the context of new installations,
- Range from 7 to 41 m³/h.

STA-RITE P2R



- High pressure fibreglass loaded ABS pump
- Self priming.

STA-RITE P6R



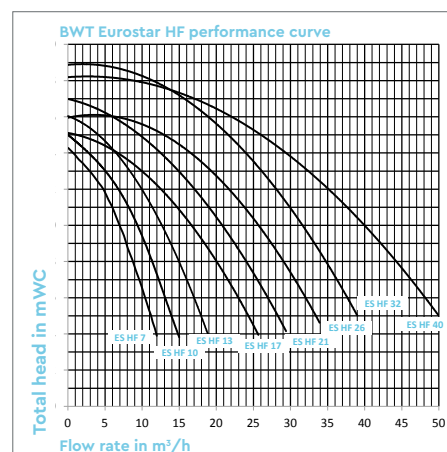
- High pressure fibreglass loaded ABS pump,
- Self priming,
- Quick-lock lid and 63 mm solvent unions.

+ PROCOPI TOP TIP

To reduce the electrical consumption of the filtration pump by 36 %, choose hydraulic optimisation of your installation. Contact our design office.

BWT EUROSTAR HF PUMPS

Family 1455

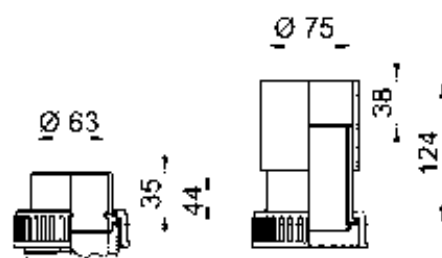


Tried and tested design

30 years experience and a continuous drive for improvement have earned the BWT Eurostar HF pump its reputation. BWT Eurostar HF pumps benefit from the latest innovations in terms of materials.

Technical data:

- A lit pre-filter basket that separates into two sections.
- BWT Eurostar HF pumps run very quietly.
- BWT Eurostar HF are self-priming, the mechanical seal is mounted on a protective shaft made of synthetic resin. The motor shaft never comes into contact with the pool water, this means that it is corrosion proof, even in pools treated by salt water electrolysis.
- Single phase pumps are fitted with P2 type capacitors,
- Now even safer: thanks to the impeller's original design, the motor shaft never comes into contact with the pool water. This means that stray current will never leak into the pool.
- The pump body and pre-filter are made of fibreglass reinforced polypropylene, a material that is corrosion proof, even in pools treated by salt electrolysis,
- 2" tapped inlet and outlet ports compatible with 63 mm or 75 mm female solvent type barrel unions (delivered with the pump),
- Delivered with a tool for opening the pre-filter.

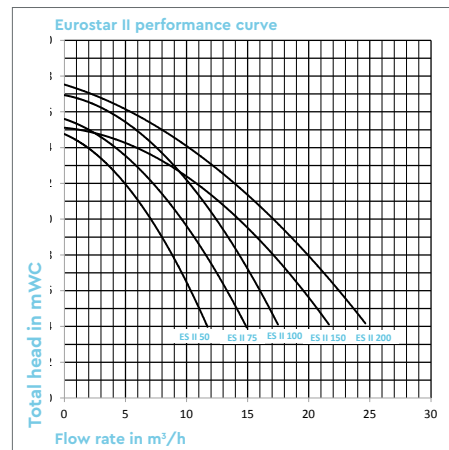
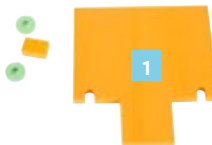


Code	Description	Flowrate m ³ /h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets Suct - Ret	Price
51151100	Eurostar HF 7 M	7	10	3.1	0.50	0.30	1ph	2" / 63 mm 2" / 63 mm	
51151200	Eurostar HF 10 M	10	10	3.7	0.65	0.45	1ph	2" / 63 mm 2" / 63 mm	
51151300	Eurostar HF 13 M	13	10	5.2	0.97	0.65	1ph	2" / 63 mm 2" / 63 mm	
51151400	Eurostar HF 17 M	17	10	5.7	1.10	0.75	1ph	2" / 63 mm 2" / 63 mm	
51151500	Eurostar HF 21 M	21	10	6.6	1.37	1.00	1ph	2" / 63 mm 2" / 63 mm	
51151600	Eurostar HF 26 M	26	10	7.9	1.70	1.30	1ph	2" / 75 mm 2" / 75 mm	
51151700	Eurostar HF 32 M	32	10	10.5	2.20	1.80	1ph	2" / 75 mm 2" / 75 mm	
51151800	Eurostar HF 40 M	40	10	13.1	2.90	2.20	1ph	2" / 75 mm 2" / 75 mm	
51152200	Eurostar HF 10 T	10	10	1.75	0.63	0.45	3ph	2" / 63 mm 2" / 63 mm	
51152300	Eurostar HF 13 T	13	10	2.25	0.97	0.65	3ph	2" / 63 mm 2" / 63 mm	
51152400	Eurostar HF 17 T	17	10	2.45	0.97	0.75	3ph	2" / 63 mm 2" / 63 mm	
51152500	Eurostar HF 21 T	21	10	2.75	1.26	1.00	3ph	2" / 63 mm 2" / 63 mm	
51152600	Eurostar HF 26 T	26	10	3.3	1.62	1.30	3ph	2" / 75 mm 2" / 75 mm	
51152700	Eurostar HF 32 T	32	10	4.35	2.10	1.80	3ph	2" / 75 mm 2" / 75 mm	
51152800	Eurostar HF 40 T	40	10	5.45	2.54	2.20	3ph	2" / 75 mm 2" / 75 mm	



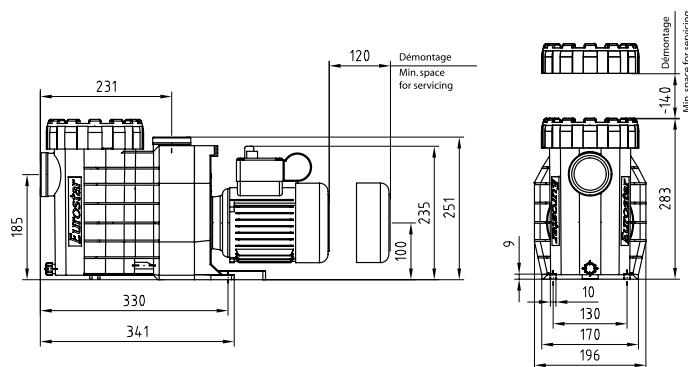
Code	Description	Price
51151150	Anti-vibration mat 185×170 mm, for BWT Eurostar HF pump	

P1 indicates the total power consumed by the pump. Thus, the value of P1 should be taken into consideration when choosing the thermal magnetic circuit breaker.
 P2 indicates the power actually available at the motor shaft. Therefore, P2 should be used to define the power of a pump.



Technical data:

- The BWT Eurostar II pump is self-priming. The mechanical seal is mounted on top of the synthetic resin protective shaft cover. As there is no contact between the motor shaft and the pool water, the pump is absolutely corrosion resistant even in pools treated by salt electrolysis.
- The pump body and the prefilter are made from fibreglass reinforced polypropylene.
- Single phase pumps are fitted with P2 type capacitors,
- The BWT Eurostar II pump runs very quietly.
- BWT Eurostar II and Eurostar pumps have the same centre-to-centre distances and all parts are compatible.
- Now even safer: thanks to the impeller's original design, the motor shaft never comes into contact with the pool water. This means that stray current will never leak into the pool.
- Delivered with a tool for opening the prefilter.



Code	Description	Flowrate m³/h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets		Price
								Suct	Ret	
545100	Eurostar II 50-M	7	10	3.1	0.58	0.30	1ph	2"	1"1/2	
546100	Eurostar II 75-M	9	10	3.7	0.69	0.45	1ph	2"	1"1/2	
547100	Eurostar II 100-M	12	10	5.2	0.97	0.65	1ph	2"	1"1/2	
548100	Eurostar II 150-M	15	10	5.7	1.10	0.75	1ph	2"	1"1/2	
549100	Eurostar II 200-M	18	10	6.3	1.37	1.05	1ph	2"	1"1/2	
546300	Eurostar II 75-T	9	10	1.75	0.66	0.45	3ph	2"	1"1/2	
547300	Eurostar II 100-T	12	10	2.25	0.98	0.65	3ph	2"	1"1/2	
548300	Eurostar II 150-T	15	10	2.6	1.10	0.75	3ph	2"	1"1/2	
549300	Eurostar II 200-T	18	10	3	1.26	1.00	3ph	2"	1"1/2	

P1 indicates the total power consumed by the pump. Thus the value of P1 should be taken into consideration when choosing the thermal magnetic circuit breaker. P2 indicates the power actually available at the motor shaft. Therefore P2 should be used to define the power of a pump.

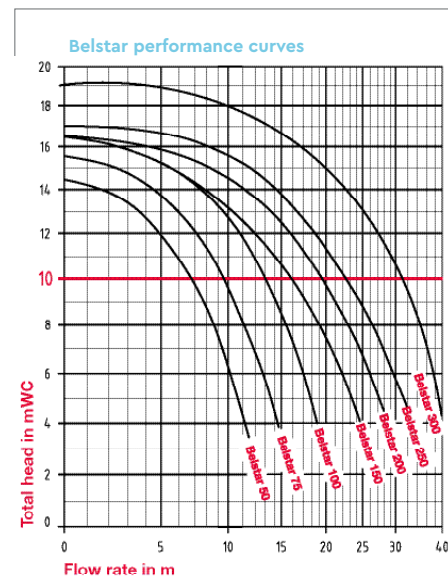


	Code	Description	Price
1	545150	Anti-vibration mat 185x170 mm, for BWT Eurostar II pump	
2	545190	Sta-Rite/Eurostar II adaptor base	Net exVAT

Sta-rite/Eurostar II adaptor base:

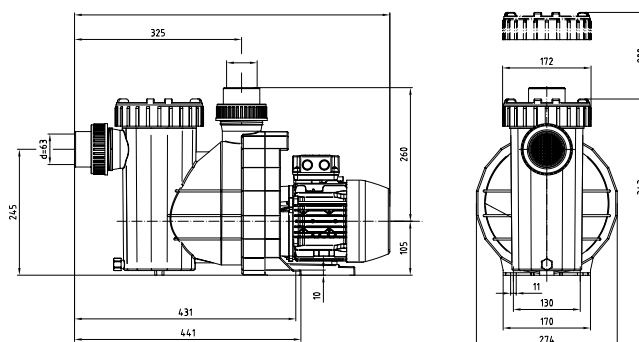
The adaptor base allows a Sta-rite pump to be replaced with a BWT Eurostar II pump with minimal modification of the hydraulic circuit.

- The inter axial distances are exactly the same,
- 2" / 1"1/2 reduction fitting is enclosed with the base.



Technical data:

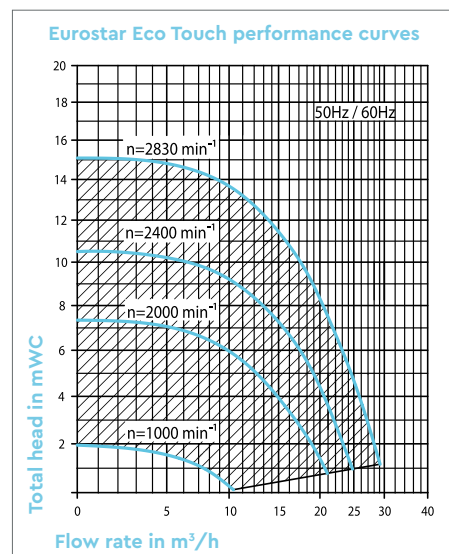
- The pump body and prefilter are made of polypropylene.
- Threaded inlet and outlet, Ø 63 mm (solvent unions Ø 63 mm, supplied with the pump) or tapped, 1" 1/2.
- Large capacity prefilter basket.
- Transparent lid with threading on the outside.
- Self-priming.
- Pump compatible with water treatment by salt electrolysis.
- Now even safer: thanks to the impeller's original design, the motor shaft never comes into contact with the pool water. This means that stray current will never leak into the pool.
- Comes with a tool for opening the prefilter.



Code	Description	Flowrate m ³ /h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets Suct - Ret	Price
51000100	Belstar 50-M	7	10	3.1	0.58	0.30	1ph	63 mm 63 mm	
51001100	Belstar 75-M	10	10	3.7	0.69	0.45	1ph	63 mm 63 mm	
51002100	Belstar 100-M	13	10	5.2	0.97	0.65	1ph	63 mm 63 mm	
51003100	Belstar 150-M	16	10	5.8	1.20	0.80	1ph	63 mm 63 mm	
51004100	Belstar 200-M	19	10	6.9	1.30	1.00	1ph	63 mm 63 mm	
51005100	Belstar 250-M	23	10	7.9	1.70	1.30	1ph	63 mm 63 mm	
51006100	Belstar 300-M	32	10	10.5	2.20	1.80	1ph	63 mm 63 mm	
51001300	Belstar 75-T	10	10	1.75	0.69	0.45	3ph	63 mm 63 mm	
51002300	Belstar 100-T	13	10	2.25	0.97	0.65	3ph	63 mm 63 mm	
51003300	Belstar 150-T	16	10	2.6	1.20	0.80	3ph	63 mm 63 mm	
51004300	Belstar 200-T	19	10	3	1.30	1.00	3ph	63 mm 63 mm	
51005300	Belstar 250-T	23	10	3.5	1.70	1.30	3ph	63 mm 63 mm	
51006300	Belstar 300-T	32	10	4.35	2.20	1.80	3ph	63 mm 63 mm	



Code	Description	Price
51000150	Anti vibration mat 215×170 mm, for Belstar pumps	



A range of rotation speeds for optimal yield

The choice of three rotation cycles ensures the best possible yield in every operating mode, for example:

- night mode (low speed)
- filtration mode (intermediate speed)
- back wash mode (high speed)

Customised settings

The three variable speeds can be adjusted individually between 1,000 and 2,830 RPM in 50 RPM steps. Factory settings are 2000, 2400 and 2830 RPM.

Programming and display of information

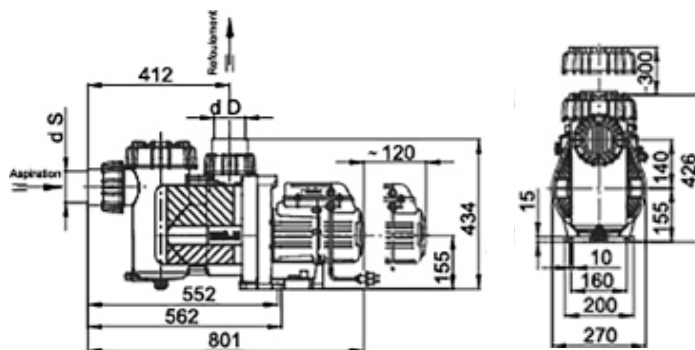
A display screen facilitates programming and shows previously saved rotation speed settings. In "economy" mode, screen lighting is deactivated and energy consumption is reduced.

+ Depending on the region where the pool is installed, and/ or the quality of the electrical supply to the pool (end of line), it may be necessary to protect the pool's electrical installation and thus the properties of the various devices circuit boards and components. Protection accessories are listed on p. 107

Although Eurostar Eco Touch Pro pumps feature innovative, patented technology that significantly reduce their running costs when compared to conventional pumps equipped with asynchronous motors, this is not their most interesting advantage.

In fact the pump's main advantage is its ability to operate at variable speeds to adapt to pool equipment items (fountains, massage jets, etc.).

Each pump has three individually adjustable settings. This ensures optimum efficiency at every level. Run cycles can be customised.



Code	Description	Flw rate m³/h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets Suct - Ret	Price
51114100	Eurostar Eco Touch Pro - 150 M	17	10	7.5	Max 1.05	Max 0.75	1ph	2" / 1 1/2"	



BWT EUROSTAR VARIABLE SPEED CONTROL PANEL

- This electrical panel can be used to program various speeds depending on the time of day and the owner's needs so that the pump operates totally automatically.

Code	Description	Price
51114190	Eurostar variable speed control panel	

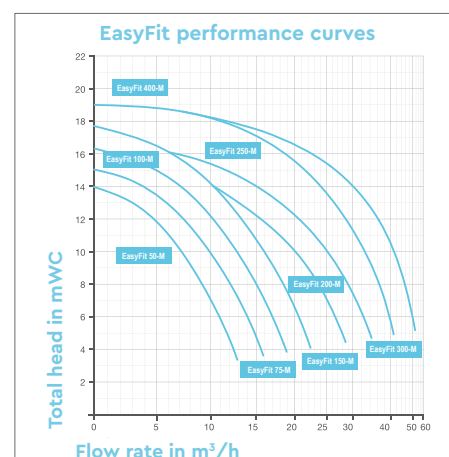
BADU EASYFIT PUMPS

Family 1440



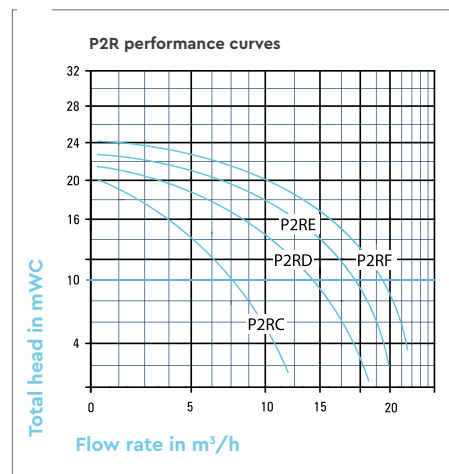
The number of filtration pumps that require replacement each year (due to their age, freezing, flooding, etc) is significant. However, it is often complicated to replace a pump that has been discontinued and be forced to make changes to the filtration installation. The ideal solution would be a filtration pump compatible with other pump models available on the market. This was the inspiration behind development of the EasyFit pump. Thanks to its adaptor kits, Easyfit pumps can be use to replace a wide variety of pump models.

The EasyFit pump's inlet and outlet ports adapt easily to those of the pump to be replaced without any need to modify the pipework or unions. Badu EasyFit pumps are sold with a standard union kit for use in new installations, the additional union kits are sold separately.



Code	Description	Flowrate m³/h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Suct	Ø Outlets Ret	Price
BADU easyfit – 230 Volts – 1ph										
51091100	Badu EasyFit 50-M	7	10	3.1	0.58	0.30	1ph	50 mm	50 mm	
51092100	Badu EasyFit 75-M	10	10	3.7	0.69	0.45	1ph	63 mm	50 mm	
51093100	Badu EasyFit 100-M	13	10	5.2	0.97	0.65	1ph	63 mm	63 mm	
51094100	Badu EasyFit 150-M	16	10	5.8	1.20	0.80	1ph	63 mm	63 mm	
51095100	Badu EasyFit 200-M	20	10	6.9	1.45	1.00	1ph	63 mm	63 mm	
51096100	Badu EasyFit 250-M	25	10	7.9	1.70	1.30	1ph	63 mm	63 mm	
51097100	Badu EasyFit 300-M	33	10	10.5	2.20	1.80	1ph	63 mm	63 mm	
51098100	Badu EasyFit 400-M	41	10	13.1	2.70	2.20	1ph	63 mm	63 mm	
BADU easyfit – 400 Volts – 3ph										
51091300	Badu EasyFit 50-T	7	10	1.5	0.58	0.30	3ph	50 mm	50 mm	
51092300	Badu EasyFit 75-T	10	10	1.75	0.69	0.45	3ph	63 mm	50 mm	
51093300	Badu EasyFit 100-T	13	10	2.25	0.90	0.65	3ph	63 mm	63 mm	
51094300	Badu EasyFit 150-T	16	10	2.6	1.00	0.80	3ph	63 mm	63 mm	
51095300	Badu EasyFit 200-T	20	10	3	1.32	1.00	3ph	63 mm	63 mm	
51096300	Badu EasyFit 250-T	25	10	3.5	1.65	1.30	3ph	63 mm	63 mm	
51097300	Badu EasyFit 300-T	33	10	4.2	2.20	1.80	3ph	63 mm	63 mm	
51098300	Badu EasyFit 400-T	41	10	4.9	2.62	2.20	3ph	63 mm	63 mm	
Additional union kits										
1	51080020	Connection kit compatible with Pentair Ultraflo pumps*								
2	51080040	Connection kit compatible with Pentair Whisperflo pumps*								
3	51080060	Connection kit compatible with Hayward Super Pump pumps**								
4	51080070	Connection kit compatible with Sta-Rite 5MPR Dyna Glas pumps*								
5	51080080	Connection kit compatible with Sta-Rite 5P2R pumps*								
6	51080090	Connection kit compatible with Astral Victoria and Super Sprint*** / Wilo FBS**** pumps								

The following models and brands do not belong to Procopi or Speck Pumpen/ *Ultraflo, Whisperflo and Sta-Rite are brands belonging to Pentair/ **Super Pump is a brand belonging to Hayward / ***Victoria and Super Sprint are brands belonging to Astral / ****FBS is a brand belonging to Wilo



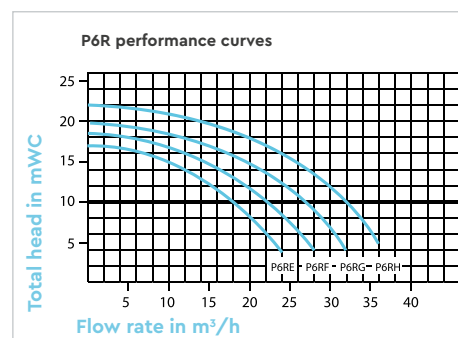
Technical data:

- High pressure fibreglass loaded ABS pump,
- Self-priming.

+ SP2R pumps were designed to work in salt water environments (salt electrolyser up to 4 g/l). The motor shaft, the mechanical seal and all parts in contact with the pool water are made of special stainless steel.

Code	Description	Flw rate m³/h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets Suct Ret	Price	
P2R pumps										
571000	Sta-Rite P2RC1 – 50 Hz pump	7	10	3.2	0.63	0.37	1ph	1"1/2 1"1/2		
573000	Sta-Rite P2RD1 – 50 Hz pump	12	10	4.8	1.00	0.55	1ph	1"1/2 1"1/2		
575000	Sta-Rite P2RE1 – 50 Hz pump	16	10	5.7	1.19	0.75	1ph	1"1/2 1"1/2		
577000	Sta-Rite P2RF1 – 50 Hz pump	18	10	7.4	1.59	1.10	1ph	1"1/2 1"1/2		
572000	Sta-Rite P2RC3 – 50 Hz pump	7	10	2.5	0.60	0.37	3ph	1"1/2 1"1/2		
574000	Sta-Rite P2RD3 – 50 Hz pump	12	10	3.4	0.88	0.55	3ph	1"1/2 1"1/2		
576000	Sta-Rite P2RE3 – 50 Hz pump	16	10	4.2	1.13	0.75	3ph	1"1/2 1"1/2		
578000	Sta-Rite P2RF3 – 50 Hz pump	18	10	5.7	1.59	1.10	3ph	1"1/2 1"1/2		
P2R salt water pumps										
573500	Sta-Rite SP2RD1 – 50 Hz pump	12	10	6.2	1.00	0.55	1ph	1"1/2 1"1/2		
575500	Sta-Rite SP2RE1 – 50 Hz pump	16	10	7.7	1.19	0.75	1ph	1"1/2 1"1/2		
577500	Sta-Rite SP2RF1 – 50 Hz pump	18	10	9.0	1.59	1.10	1ph	1"1/2 1"1/2		
574500	Sta-Rite SP2RD3 – 50 Hz pump	12	10	4.4	0.88	0.55	3ph	1"1/2 1"1/2		
576500	Sta-Rite SP2RE3 – 50 Hz pump	16	10	5.9	1.13	0.75	3ph	1"1/2 1"1/2		
578500	Sta-Rite SP2RF3 – 50 Hz pump	18	10	7.1	1.59	1.10	3ph	1"1/2 1"1/2		
Accessories										
581000	Tool for removing the pre-filter lid									

P1 indicates the total power consumed by the pump. Thus the value of P1 should be taken into consideration when choosing the thermal magnetic circuit breaker. P2 indicates the power actually available at the motor shaft. Therefore P2 should be used to define the power of a pump.



+ SWP6R pumps were designed to work in salt water environments (salt electrolyser up to 4 g/l). The motor shaft, the mechanical seal and all parts in contact with the pool water are made of special stainless steel.

Technical data:

- High pressure fibreglass loaded ABS pump,
- Self-priming.
- Quick-lock lid and 63 mm solvent type unions

Code	Description	Flw rate m ³ /h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets Suct Ret	Price	
P6R pumps										
580300	Sta-Rite P6RE1 – 50 Hz pump	18	10	6.2	1.31	0.75	1ph	2" 2"		
580500	Sta-Rite P6RF1 – 50 Hz pump	23	10	7.7	1.65	1.10	1ph	2" 2"		
580700	Sta-Rite P6RG1 – 50 Hz pump	27	10	9.0	1.96	1.50	1ph	2" 2"		
580400	Sta-Rite P6RE3 – 50 Hz pump	18	10	4.4	1.20	0.75	3ph	2" 2"		
580600	Sta-Rite P6RF3 – 50 Hz pump	23	10	5.9	1.63	1.10	3ph	2" 2"		
580800	Sta-Rite P6RG3 – 50 Hz pump	27	10	7.1	2.00	1.50	3ph	2" 2"		
580900	Sta-Rite P6RH3 – 50 Hz pump	32	10	8.6	2.47	2.20	3ph	2" 2"		



BWT CONSTRUCTION & RENOVATION

Complies with the following standards:

Directive 2005/88/EC: The Noise Emissions directive

NF EN 60335-1 (May 2013): household and similar electrical appliances. Safety – general requirements

NF EN 60335-2-41 +A1+A2 (July 2010): safety of pumps belonging to household and similar electrical appliances

Directive 2014/35/EU: the Low Voltage directive

Directive 2011/65/EU (RoHS 2 : Reduction of Hazardous Substances) – Reduction of Hazardous Substances in electrical and electronic devices

NF EN 55014-1 + A2, February 2012: Electromagnetic compatibility. Part 1, Emission

NF EN 55014-2 + A2, July 2015: Electromagnetic compatibility. Part 2, Immunity

Directive 2014/30/EC: the Electromagnetic compatibility directive

NF EN 61000-6-1: Electromagnetic compatibility (ECM). Immunity for residential, commercial and light-industrial environments.

NF EN 61000-6-3: Electromagnetic compatibility (ECM). Emissions in residential, commercial and light-industrial environments.

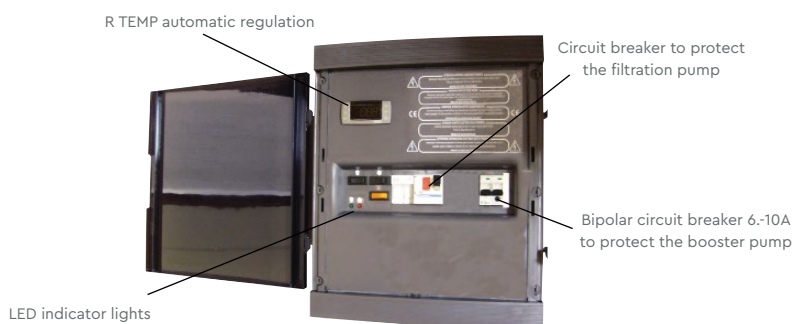
04

Electrical panels

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PROTECTION OF ELECTRICAL COMPONENTS	107
ELECTRICAL PANEL ACCESSORIES	110

Technical information

- Front mounted timer to facilitate programming,,
- All wires are capped,
- Connection terminals for the mains,
- Connection of the transformer secondary via a fuse holder,
- The cabinets are delivered with rigid cable glands as standard,
- Removable mounting bracket to facilitate installation,
- Over-sized transformer to avoid overheating phenomena,
- Careful, colour coded wiring,
- Cabinet mounting screws and bushings are enclosed,
- Appropriate wire cross section (2.5 mm² for the power unit),
- Two seals, one on the glass door, and one on the cover.
- May be recessed into the wall.



The electrical panel is equipped with a mounting bracket to facilitate installation and hold the electrical panel away from the wall to prevent water from infiltrating into the panel by capillary action.

Recommended cable cross section according to the distance in metres from the underwater light (12 V power supply)

Cable cross section mm ² for one 300 W underwater light	from	to
1.50	-	-
2.50	-	-
4.00	0 M	2.1 M
6.00	2.2 M	3.2 M
10.00	3.3 M	5.3 M
16.00	5.4 M	8.5 M

Cable cross section in mm ² for one 25 W underwater light	from	to
1.50	0 M	10 M
2.50	11 M	16 M
4.00	17 M	26 M
6.00	27 M	38 M
10.00	-	-
16.00	-	-

Cable with 2 wires (no yellow/ green wire).



PROCOPI uses a 700VA transformer to run two 300W underwater lights (under 12V) instead of 630VA transformers. The decision to use a 700VA transformer instead of a 630VA transformer provides for a greater power reserve, this helps prevent the transformer from running hot and so helps limit heating within the electrical panel cabinet.



Automatic regulation: R-TEMP

Automatic regulation of the filtration cycle based on the water temperature can reduce your pool's energy consumption by up to 40%.

Technical data:

Swimline electrical panels that feature automatic regulation of the length of the filtration cycle as a function of water temperature share the same characteristics as the standard Swimline electrical panel except that the programmable timer is replaced by a programmable logic controller with a new optimal algorithm.

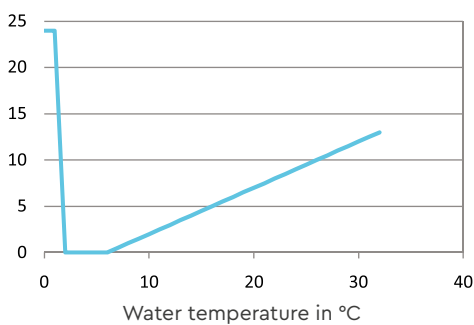
Automatic regulation comprises:

- A programmable logic controller,
- A manual over-ride to force the device on,
- A temperature sensor with a 6m cable,
- A titanium thermowell that is mounted on a reducing tee, 1/2", or a saddle clamp.

+ Depending on the region where the pool is installed, and/ or the quality of the electrical supply to the pool (end of line), it may be necessary to protect the pool's electrical installation and thus the properties of the circuit boards and components equipping the various devices.
Protection accessories are listed on p. 107.

Calculation for the length of the filtration cycle

Duration of the filtration cycle in hours/ days



+

X	Circuit breaker
2	1 TO 1.6 A
3	1.6 TO 2.5 A
4	2.5 TO 4 A
5	4 TO 6.3 A
6	6.3 TO 10 A
7	9 TO 14 A

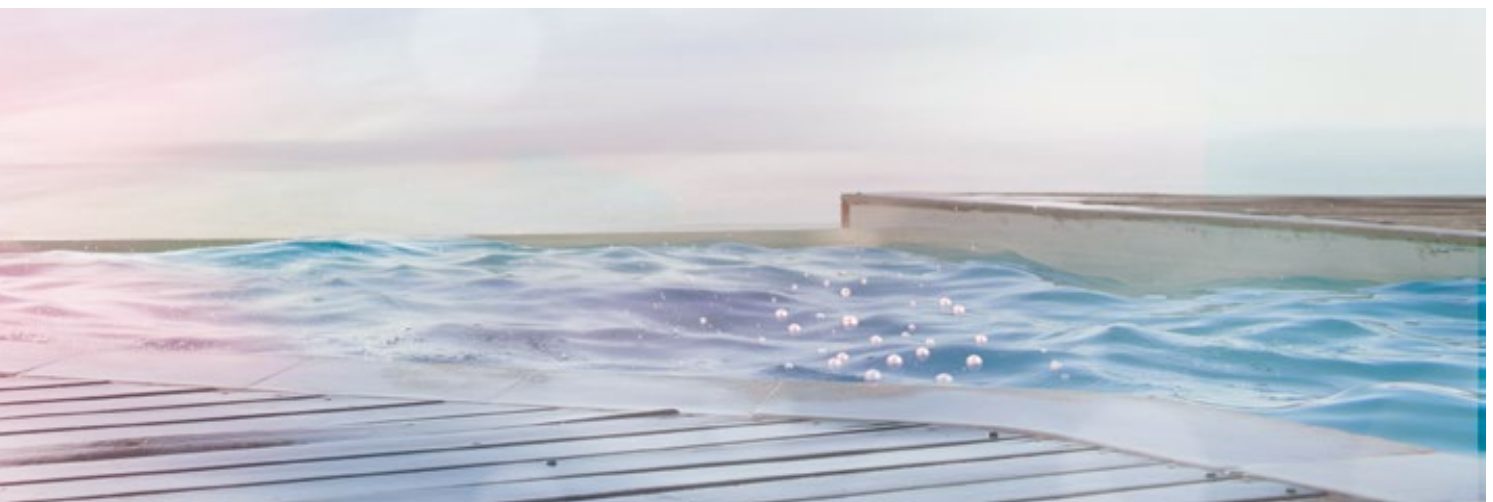
PROCOPI TOP TIP

In order to select the appropriate circuit breaker, simply replace the letter X, with the number corresponding to the required rating

The circuit breaker rating must be greater than the maximum current consumed by the filtration pump.

The maximum currents drawn by the pumps are set out in the pump chapter in this catalogue.

Code	Reference	Description	Price
6601X0	RTEMP+CFB-1	Filtration electrical panel RTEMP	
6604X0	RTEMP+CFP-050	Filtration electrical panel RTEMP, for one 50 W or LED underwater light	
6609X0	RTEMP+CFP-100	Filtration electrical panel RTEMP, for two 50 W or LED underwater lights	



ELECTRICAL PANELS

+ Each of our electrical panels is made of top quality components carefully selected on the basis of their excellent performance data. The injected resin casings were purpose designed to satisfy the requirements of pool builders and pool users. Electrical panels come with a wall mounting bracket and a suitably rated circuit breaker. They comply with the electrical safety standard NF 60439-1 and the EMC safety standards NF 55014 and NF 55104.

BWT FILTRATION ELECTRICAL PANEL - SWIMLINE

Family 1900



- Technical data: Protection rating, IP55,
- **Two levels of watertight protection :**
- an o-ring on the cover,
- an o-ring on the plexi-glass door,
- Hinge mounted reversible smoked plexi-glass door,
- All the controls are protected behind the plexi-glass door,
- Rocker switches,
- Indicator lights (LEDs),
- Delivered with a circuit breaker, up to 14 Amp,
- Terminal block to facilitate connection,
- Generously proportioned for easy wiring,
- A wall mounting bracket is enclosed.

+

PROCOPI TOP TIP

X	Circuit breaker
2	1 TO 1.6 A
3	1.6 TO 2.5 A
4	2.5 TO 4 A
5	4 TO 6.3 A
6	6.3 TO 10 A
7	9 TO 14 A

In order to select the appropriate circuit breaker, simply replace the letter X, with the number corresponding to the required rating

The circuit breaker rating must be greater than the maximum current consumed by the filtration pump.

The maximum currents drawn by the pumps are set out in the pump chapter in this catalogue.

BWT ELECTRONIC LEVEL CONTROLLER WITH HYDROSTATIC SENSOR

Code	Reference	Description	Price
6600X0	CFB-1	Filtration or automatic cleaner electrical panel	
660060	-	Automatic cleaner electrical panel -CFB-1/ 10A	
6603X0	CFP-050	Filtration electrical panel with transformer for 1 50W or LED underwater light	
6608X0	CFP-100	Filtration electrical panel with transformer for 2 50W or LED underwater lights	
6600X1	CFB-1 / BA	Filtration electrical panel with automatic cleaner option	
6603X1	CFP-050 / BA	Filtration ctrl panel, with transfo. for 1 50 W or LED underwater light, with automatic cleaner option	
6608X1	CFP-100 / BA	Filtration ctrl panel, with transfo. for 2 50 W or LED underwater lights, with automatic cleaner option	

This device can control multiple water levels using a single hydrostatic sensor. 6 water level values can be entered into the programmable logic controller. This makes the level controller particularly suitable for controlling levels in a buffer tank.

TH : Very high limit / H : High limit / FR : End filling limit / DR : Begin filling limit / B : Low limit / TB : Very low limit

The level value can be read off the PLC screen.

Operating range: 0.10 m to 3.00 m



Technical data:

- The sensor is simply positioned at the bottom of the water volume to be controlled.
- Measurements are not falsified by material agglomerates, fluctuations of the water's electrical properties or by the shape of the reservoir.
- Extremely reliable.
- Standard cable length is 10 m.

Code	Description	Price
667600	Buffer tank electronic controller (hydrostatic sensor and an electrovalve)	
667610	Buffer tank electronic controller with 10 to 40 m cable (hydrostatic sensor and an electrovalve)	

+ The client should specify the required cable length on placing the order. The maximum cable length is 40m.

BWT LEVEL REGULATION - SWIMLINE® 

Family 1900



1

Technical data:

- RED-1: Pool level regulation electrical panel, comprising an adjustable level sensor, timer, brass 20/27 electric valve. Protected by a fuse.



2

Technical data:

- RED-2: Balance tank regulation electrical panel comprising 5 stainless steel sensors (ground, pump shut down, electrovalve open and close, overflow safety). and a brass electrovalve 20/ 27. Protected by a fuse.

	Code	Reference	Description	Price
1	667000	RED-1	Electronic pool level controller, with electric valve	
2	667200	RED-2	Balance tank level controller (with 5 stainless steel sensors and 1 electric valve)	

BWT MULTI-FUNCTION ELECTRICAL PANEL 

Family 1900

The multi-function electrical panel can control and or/ power multiple devices simultaneously. The electrical panel is available in 3 versions, to adapt to the power of the filtration pump. However, the panel only runs in single phase mode.

Functions:


- Manages filtration cycles: Takes control of the pump in manual and automatic mode (with timer).
- Controls the booster pump: Controls the booster pump in manual and automatic mode (with timer).
- Electrical supply and command of the underwater lights: Features a switch to turn the lights on and off.
- 16 A socket on the outside of the electrical panel.
- Protected outgoing line to power the automatic cover electrical panel (*).
- Protected outgoing line to power a water treatment device: electrolyser, controller, UV bulb, etc. (*).
- Protected outgoing line to power an additional pH pump, etc. (*).

Technical data:

- Multi-function electrical panel: 230VAC 1ph power supply, maximum current 53A, IP44, residual current device 30mA.
- Filtration function: 230VAC 1ph power supply. Panel fitted with an adjustable circuit breaker with 3 protection ratings to choose from 2.5-4A, 4-6.3A, 6.3-10A (The maximum current of the pump should not exceed 9A).
- Booster pump function: 230VAC 1ph power supply. Panel fitted with an adjustable circuit breaker 6.3-10A (The maximum current of the pump should not exceed 9A).
- Electrical supply and command of the underwater lights: 12VAC power supply with two 50VA outgoing lines. Compatible with LED lighting.
- 16 A socket: 230VAC 16A
- Protected outgoing line to power the automatic cover electrical panel. 230VAC 1ph power supply. Fitted with an adjustable circuit breaker 6.3-10A.
- Protected outgoing line to power a water treatment device. 230VAC 1ph power supply. Fitted with an adjustable circuit breaker 1.6-2.5A
- Protected outgoing line to power an additional pH pump, etc.: 230VAC 1ph power supply. Fitted with an adjustable circuit breaker 1.6-2.5A.



Code	Description	Price
669541	Multifunction electrical panel for 1ph pump 2.5 to 4A	
669551	Multifunction electrical panel for 1ph pump 4 to 6.3A	
669561	Multifunction electrical panel for 1ph pump 6.3 to 10A	

+  Electrical panels for automatic covers are listed on page 229.

+ Depending on the region where the pool is installed, and/ or the quality of the electrical supply to the pool (end of line), it may be necessary to protect the pool's electrical installation and thus the properties of the circuit boards and components equipping the various devices. Protection accessories are listed on p. 111



Technical data:

- Hinge mounted door,
 - All the controls are mounted behind a protective plexi-glass door (no controls on the outside),
 - Rocker switches,
 - Delivered with a circuit breaker up to 14A,
 - Delivered with the necessary bushings, screws and cable glands,
- All our electrical panels are fitted with a suitably rated thermo-magnetic circuit breaker.

PROCOPI TOP TIP	+	X	Circuit breaker	In order to select the appropriate circuit breaker, simply replace the letter X, with the number corresponding to the required rating
	2	1 TO 1.6 A		
	3	1.6 TO 2.5 A		
	4	2.5 TO 4 A		
	5	4 TO 6.3 A		
	6	6.3 TO 10 A		
	7	9 TO 14 A		

The circuit breaker rating must be greater than the maximum current consumed by the filtration pump.

The maximum currents drawn by the pumps are set out in the pump chapter in this catalogue.

Each of our electrical panels is made of top quality components carefully selected on the basis of their excellent performance data. The injected resin casings were purpose designed to satisfy the requirements of pool builders and pool users. Electrical panels come with a wall mounting bracket and a suitably rated circuit breaker. Swimline electrical panels are fitted with indicator lights and top of the line components. They comply with the electrical safety standard NF 60439-1 and the EMC safety standards NF 55014 and NF 55104.

Code	Reference	Description	Price
6700X0	SRF-1	Filtration of automatic cleaner electrical panel	
6703X0	SRF-050	Filtration electrical panel with transformer for one 50 W or LED underwater light	
6708X0	SRF-100	Filtration electrical panel with transformer for two 50 W or LED underwater lights	
Other electrical panels and options			
670060	SRF-1/10A	Automatic cleaner electrical panel	
677700	-	Entrapment alarm electrical panel with siren and pressure switch	

+

In order to select the appropriate circuit breaker, simply replace the letter X, with the number corresponding to the required rating.



	Code	Ref	Description	Price
1	677000	RED-1	Electronic pool level controller, with electric valve	
2	677200	RED-2	Balance tank level controller (with 5 SS sensors and 1 electric valve)	
	677300	RED-2-SEV	Balance tank level controller (with 5 SS sensors and no electric valve)	

More and more of the equipment on our market is equipped with electronic circuit boards and/or components intended to simplify their operation and achieve the ergonomics demanded by the consumer.

It is, however, clear that the quality of the electrical supply varies, depending on the region and the area, generating under and over voltages.

In addition, some areas are prone to storms and lightning strikes. Obviously, both of these phenomena can cause damage to electronic components: the professional has to deal with failures and after sales services and the end user is unhappy.

To avoid this type of situation, it is necessary to install devices designed to protect the electronic components equipping the various items of pool equipment.

In some countries, France included, insurance companies and the government body charged with approval of electrical installations for connection to the power grid demand the installation of protection equipment.

Procopi's technicians are available to provide advice on these subjects and suggest articles to meet the various requirements.

LIGHTNING ARRESTERS

Family 2000

Overvoltages triggered by lightning strikes.

Technical data:

- A lightning arrester is a device designed to protect electrical equipment against transient overvoltages triggered notably by lightning strikes.
- This type of device is necessary to protect equipment fitted with electronic components.

The lightning arrester must be installed by a professional in parallel with the main circuit and no more than 30 metres distant from the equipment it is meant to protect.



Lightning arrester, 1ph

Lightning arrester, 3ph

Code	Description	Price
710010	Lightning arrester for three phase + neutral power supply	
710000	Lightning arrester for single phase power supply	

SUPERVISION RELAYS

Family 2000

Over and under voltages associated with grid fluctuations.

Technical data:

- Automatic operation
- Timed reset
- Operating indicators
- Easily installed on a DIN rail
- NF EN 50550 compliant

This type of device is necessary to protect equipment fitted with electronic components.

The relay is connected in parallel with the supply of the primary circuit. The same device may be used irrespective of the power of the equipment.

For a three phase + neutral installation, you will need three supervision relays (one for each live). Each relay should be connected between phase and neutral.

As soon as the voltage falls below or rises above the operating range of 195-270VAC, the relay opens the circuit, thus protecting the installation.



Code	Description	Price
710050	Supervision relay, low voltage, 230 V	

ELECTRICAL PANEL ACCESSORIES

TRANSFORMERS

Family 2030

Code	Description	Price
716400	Toroidal transformer 230V/12 V 50 VA (Swimline-SR-Light)	
716450	Toroidal transformer 230V/12 V 100 VA (Swimline-SR-Light)	
716500	Toroidal transformer 230V/12 V 315 VA (Swimline, SR-Light)	
716600	Toroidal transformer 230V/12 V 700 VA (Swimline, SR-Light)	

FROSTAT AND ENTRAPMENT ALARM

Family 1900



Code	Description	Price
Frostat electrical panel		
688000	Frostat electrical panel	
Entrapment alarm electrical panel		
677700	Entrapment alarm electrical panel with siren and pressure switch	
677705	1 additional pressure switch XMLB004A1S11	

TWO COMPONENT GEL

Family 2000



Code	Description	Price
8492300	Two component gel, 500 ml	



The two component gel insulates the connections inside the connection boxes. Protection rating: IP68
Cure time: approx 15 minutes at 25 °C.
The gel can be easily removed to allow for interventions on the connections.

ACCESSORIES

Family 2000



	Code	Description	Price
1	708100	Timer without backup power (SR-Light – Swimline Electrical panel)	
	708200	Timer without backup power (to be built in)	
2	708300	Timer without backup power (modular)	
	708400	Timer with backup power (SR-Light – Swimline Electrical panel)	
	708500	Timer with backup power (to be built in)	
3	709100	Thermal magnetic circuit breaker, 1.0-1.6 A	
	709200	Thermal magnetic circuit breaker, 1.6-2.5 A	
	709300	Thermal magnetic circuit breaker, 2.5-4.0 A	
	709400	Thermal magnetic circuit breaker, 4.0-6.3 A	
	709500	Thermal magnetic circuit breaker, 6.0-10.0 A	
4	709600	Thermal magnetic circuit breaker, 9.0-14.0 A	
	713100	Filtration electrical panel 230V contactor	
5	713300	Heating electrical panel 230V contactor	

Back-up power: allows the timer to continue to run in the event of a power outage.

Differential circuit breaker – type AC

A differential circuit breaker detects differences in the strength of the current measured on the phase line and the current returned to the neutral line. It provides protection for people, but alone, it cannot provide protection against power surges.

The French safety standard NF C15-100 requires installation of a 30mA differential circuit breaker for swimming pool applications. AC type circuit breakers provide adequate protection for most circuits.

C curve circuit breakers

Circuit breakers provide protection against power surges and short circuits. C curve circuit breakers are most commonly used (protection of circuits supplying socket outlet, lighting, etc..)

D curve circuit breakers

D curve circuit breakers perform the same role as D curve circuit breakers except that they accept a higher inrush current when the motor starts (heat pump, pump, etc.).



	Code	Description	Price	
1		Circuit breakers, C curve		
	709991	Bipolar circuit breaker, C curve, 6A		
	709992	Bipolar circuit breaker, C curve, 8A		
	709993	Bipolar circuit breaker, C curve, 10A		
	709994	Bipolar circuit breaker, C curve, 16A		
	709995	Bipolar circuit breaker, C curve, 25A		
	709996	Bipolar circuit breaker, C curve, 32A		
			Circuit breakers, D curve	
	709972	Bipolar circuit breaker, D curve, 8A		
	709974	Bipolar circuit breaker, D curve, 16A		
	709975	Bipolar circuit breaker, D curve, 25A		
	709976	Bipolar circuit breaker, D curve, 32A		
	709977	Bipolar circuit breaker, D curve, 40A		
	709983	4 pole circuit breaker, D curve, 10A		
709984	4 pole circuit breaker, D curve, 16A			
709985	4 pole circuit breaker, D curve, 25A			
709986	4 pole circuit breaker, D curve, 32A			
2		Differential circuit breakers, type AC		
	709950	Bipolar differential circuit breaker, type AC, 16A		
	709960	Bipolar differential circuit breaker, type AC, 25A		
	717160	Bipolar differential circuit breaker, type AC, 40A		
	717174	4 pole differential circuit breaker, type AC, 16A		
	717175	4 pole differential circuit breaker, type AC, 25A		
	717170	4 pole differential circuit breaker, type AC, 40A		

A romantic couple is shown in profile, sitting on a white pool deck. The man is on the left, shirtless and wearing dark swim trunks, leaning back against the woman. The woman is on the right, wearing a light-colored bikini, leaning back against the man. They are both looking towards the right, where a vast, calm blue ocean meets a clear sky. The overall mood is serene and relaxing.

BWT

CONSTRUCTION & RENOVATION

Complies with the following standards:

Ladders and hand rails

NF EN 16582-1 (October 2015): Family pools – Part 1: General requirements and test methods.

NF EN 16582-2 (October 2015): Family pools – Part 2: Safety requirements and test methods specific to in-ground pools.

NF EN 16582-3 (October 2015): Family pools – Part 3: Safety requirements and test methods specific to above-ground pools.

NF EN 13451-2 (February 2016): Equipment for commercial pools – Part 2: safety requirements and test methods applicable to ladders and hand rails.

Booster pumps:

EN 60335-1 May 2013 : Household and similar electrical appliances General requirements.

Directive 2011/65/EU: the RoHS 2 / Reduction of Hazardous Substances in electric and electronic devices.

EN 55014-1 + A2 February 2012: Electromagnetic Compatibility Part 1: Emission.

EN 55014-2 + A2 January 2009: Electromagnetic Compatibility Part 2: Immunity.

Directive 2014/30/EU: the Electromagnetic Compatibility directive.

Directive 2006/42/EC: the Machine directive.

Directive 2014/35/EC: the Low Voltage directive.

Counter-swim units

DTP No. 12: Counter-swim units.

EN 13451-1 (Nov. 2011): Equipment for commercial pools. Part 1: General safety requirements and test methods.

05

Accessories

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BADU Jet Smart



BADU Jet Wave

BADU Jet Vogue
Stainless steel face plate

BADU Jet Primavera
Double jet

Technical data:

BADU Jet Smart, Wave, Vogue and Primavera units are compatible with all types of pools (liner, concrete, polyester shell, etc.).

BADU Jet Smart, Wave, Vogue and Primavera are all equipped with an adjustable, directional jet (2 jets in the case of the Primavera), an adjustable air intake and a pneumatic control. BADU Jet Smart, Wave, Vogue and Primavera units are delivered in 2 packs:

- 1 pack containing all the pool fittings that need to be installed while the pool is being built (1/4 turn valves are enclosed in the Primavera pack),

- The pump pack containing the pump parts (pump, electrical panel* and face plate) that may be installed later.
* Except for BADU Jet Smart, the additional parts package does not contain an electrical panel.
- BADU Jet Smart, Wave and Vogue pumps use the same pool fittings.
- Hand rails and massage hoses are available as options.

CAUTION: All BADU Jets must be installed in compliance with the safety standard NF C 15-100.

Description	Smart*		Wave		Vogue		Primavera	
	1ph	3ph	1ph	3ph	1ph	3ph	1ph	3ph
Code	951200	953200	951800	953800	951600	953600	952000	952100
Power P1 in kW	2.3	2.9	2.9	3.3	2.9	3.3	3.9	3.8
Flow rate m ³ /h	40	45	54	58	54	58	75	75
Power supply in volts	230	400	230	400	230	400	230	400
Price								

P1 for BADU Jet pumps corresponds to the electrical power consumed.

* Badu Smart 1ph and 3ph counter-swim units are not delivered with the pneumatic control panel. To order the control panel, choose the 14A version (code 689070) for the Badu Smart 1ph model or the 6A version (code 689050) for the Badu Smart 3ph model (see below).

PNEUMATIC COMMAND CONTROL PANELS

Family 3400



Code	Description	Net Price
689050	BADU Jet control panel, 6 A, for BaduJet Smart 3ph	
689060	BADU Jet control panel, 10 A	
689070	BADU Jet control panel, 14 A, for BaduJet Smart 1ph	
689080	BADU Jet control panel, 20 A	

+

BADU Jet control panels are available in 1ph and 3ph.

POOL FITTINGS

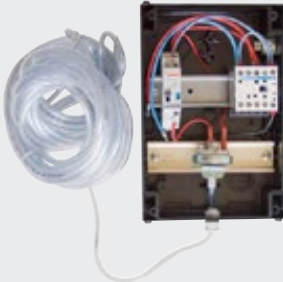
Families 3400 and 3450

Code	Description	Net Price
BADU JET Smart, Wave & Vogue		
951400	BADU Jet Smart, Wave and Vogue pool fittings pack (with no 1/4 turn valves)	
1410063	1/4 turn double union valve, solvent, 63 mm	
BADU JET Primavera		
952400	BADU Jet Primavera pool fitting pack (with 2 brass 1/4 turn valves)	

+

ATTENTION: BADU Jet Classic has been taken off the market. While the BADU Jet Classic pool fitting kits are no longer commercialised, the pump packs for these units are still available (see opposite).

+
PROCOPI TOP TIP



Only the pump packs for BADU Jet Primavera, Wave, Classic and Vague are delivered with an electrical panel.



BADU Jet Smart, stainless steel face plate – Non-contractual image

ACCESSORIES

PUMP PACKS

Families 3400 & 3450

	BADU Jet Smart	BADU Jet Wave	BADU Jet Vogue	BADU Jet Primavera
Pump pack – 230 V 1ph				
Code	951100	951700	951500	952200
Net Price				
Pump pack – 230/ 400 V 3ph				
Code	953100	953700	953500	952300
Net Price				

BADU JET PUMPS

Families 3300, 3400 & 5600

Code	Description	Ampere rating (A)	Net Price
943001	21-80/32RG pump for BADU Jet Classic 1ph, 54 m ³ /h *	12.50	
942001	21-80/32G pump for BADU Jet Classic 3ph, 58 m ³ /h*	5.50	
947001	21-80/33G pump for BADU Jet Super-Sport 1ph, 75 m ³ /h*	17.00	
946001	21-80/33G pump for BADU Jet Super-Sport 3ph, 75 m ³ /h*	6.00	
933055	21-50/43G pump for Aquastream, 40 m ³ /h*	9.50	
932050	21-50/43G pump for Aquastream, 40 m ³ /h*	3.30	
Pump outlet unions			
1370077	Union 2'' 3/4 x Ø 90 for 21-80/32 and 21-80/33 pumps		
1356064	Half-union Ø 63 for 21-50/43 pumps		

See the AquaService catalogue



COUNTER-SWIM UNITS

BASES AND VALVE KITS

Families 3400 & 3450



Colour face plates for BADU Jet Smart

Code	Description	Net Price
BADU JET smart		
1	951050 BADU Jet Smart pump base	Price
2	954000 Stainless steel face plate and LED for BADU Jet Smart	

Description	Light blue Code	Beige Code	Grey Code	Black Code	Net Price
Colour face plates for BADU Jet Smart(without jets or controls)					
Face plate for BADU Jet Smart	951260	951290	951270	951280	

ACCESSORIES

Families 3400 & 3450



Code	Description	Net Price
Massage hose		
3	955000 Standard massage hose for Ø 40 mm nozzle (compatible with all models except BADU Jet Active)	
4	955400 Pulsator massage hose for Ø 40 mm nozzle (compatible with all models except BADU Jet Active)	
Hand rails		
5	957000 Hand rail for BADU Jet, small model	per unit
6	957200 Hand rail for BADU Jet, large model	per unit
7	951550 Stainless steel hand rail for BADU Jet Vogue	per unit
8	951750 Stainless steel hand rail for BADU Jet Wave	per unit
	952050 Stainless steel hand rail for Primavera	per unit
Remote control		
9	959000 RF remote control for BADU Jet counter swim unit	

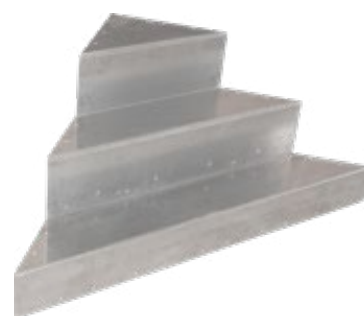
AQUASTEP CORNER STEPS

Family 3100

- Step comprising 3 treads, delivered in 3 sections to be assembled.
- Step suited to: – pools between 1.25 and 1.50 m deep, pools with sharp and R15 corners.
- Fastening system compatible with wooden walls, P-PSC panels and adaptable to concrete structures.

Code	Description	Net Price
902320	Aquastep, sharp corners, height 130 cm	
902310	Aquastep, sharp corners, height 146 cm	

In the case of a 15 cm radius, remove a 7.5 × 7.5 × 10 cm triangle according to the template.



AQUASTEP STRAIGHT STEPS

Family 3120

- Step comprising 3 treads, delivered in 3 sections to be assembled.
- Step suited to: – pools between 1.25 and 1.50 m deep, pools with sharp and R15 corners.
- Fastening system compatible with wooden walls, P-PSC panels and adaptable to concrete structures.

Code	Description	Net Price
902360	Aquastep step, straight, sharp angle, height 125 cm	
902350	Aquastep step, straight, harp angle, height 150 cm	

In the case of a 15 cm radius, remove a 7.5 × 7.5 × 10 cm triangle according to the template.



ACCESSORIES



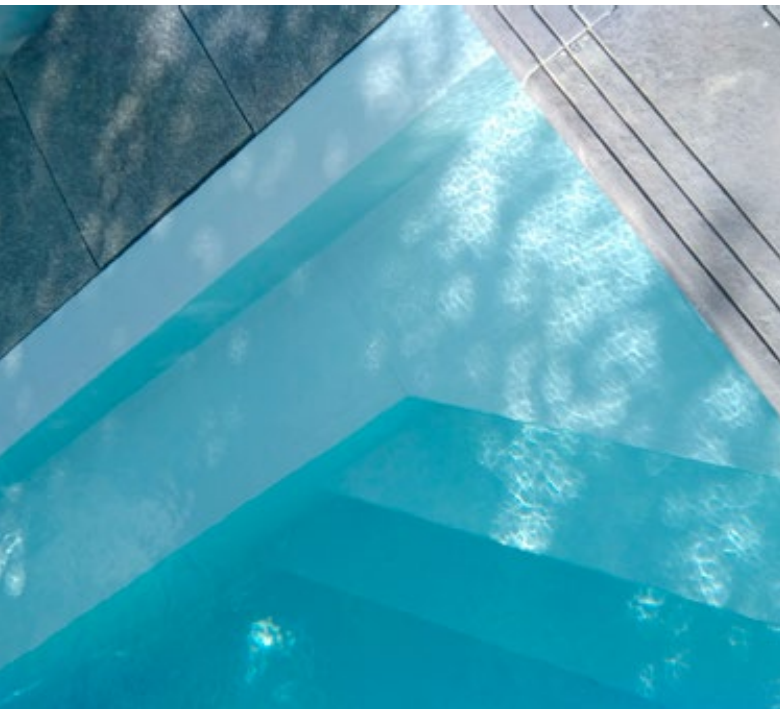
CUSTOM MADE STEPS

EdenStep, your clients will love it!

BWT EDENSTEP CUSTOM MADE STEPS

Family 3120

Code	Description	Price
902000	EdenStep custom made steps	per m ²



There are a multitude of prefabricated steps available on the market, however they all share the same limitation, fixed dimensions that do not always suit the needs of your individual customers who are looking for something different, a shallow deck, specific equipment, etc.

Up until now, masonry steps were the only alternative to meet the needs of these customers. This required formwork, concrete, refinishing, occasional problems with dimensions, etc.

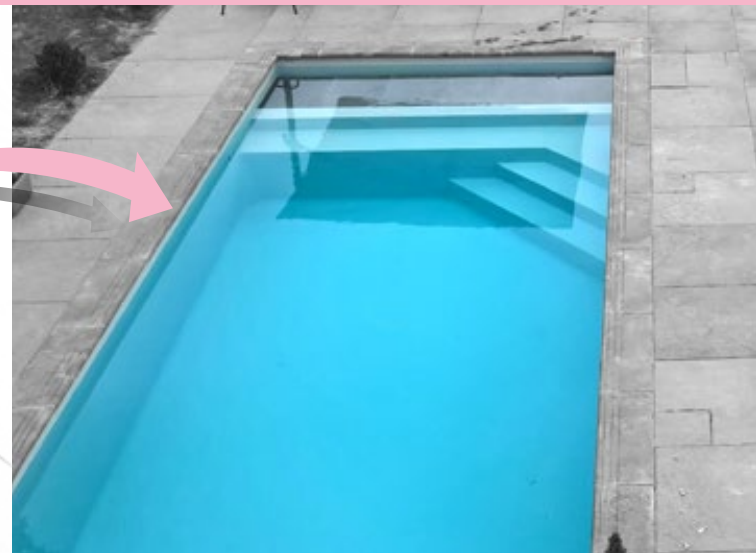
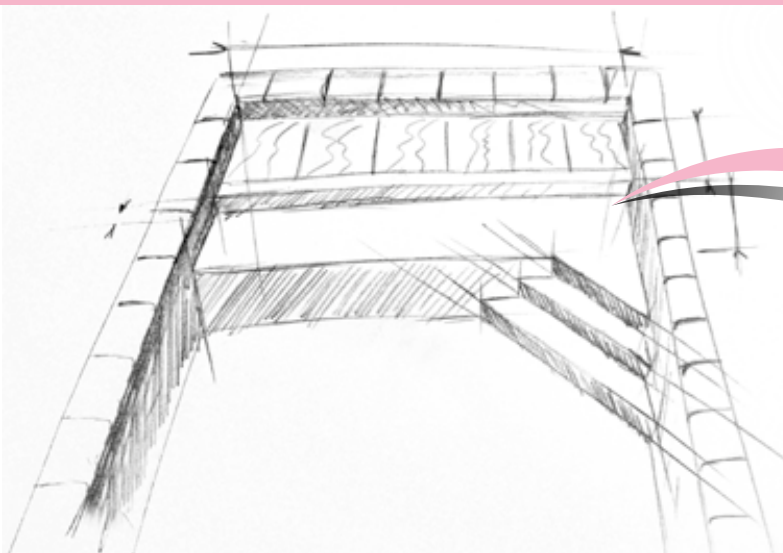
EDENSTEP, THE CUSTOM MADE SOLUTION

Imagine a customised step, with a wide deck, a shallow bench and a flight of steps or risers just as you wanted, integrated return fittings, underwater lights and ambient lighting, etc. a creative custom made step made to measure for your customer.

Think it's just a dream? EdenStep by Procopi makes this dream reality, your step is delivered ready to be simply put together. EdenStep will astonish your customers

Much more adaptable than prefab systems with their restrictive dimensions, and way more ergonomic than masonry steps, EdenStep is prepared in the factory and assembled on site.

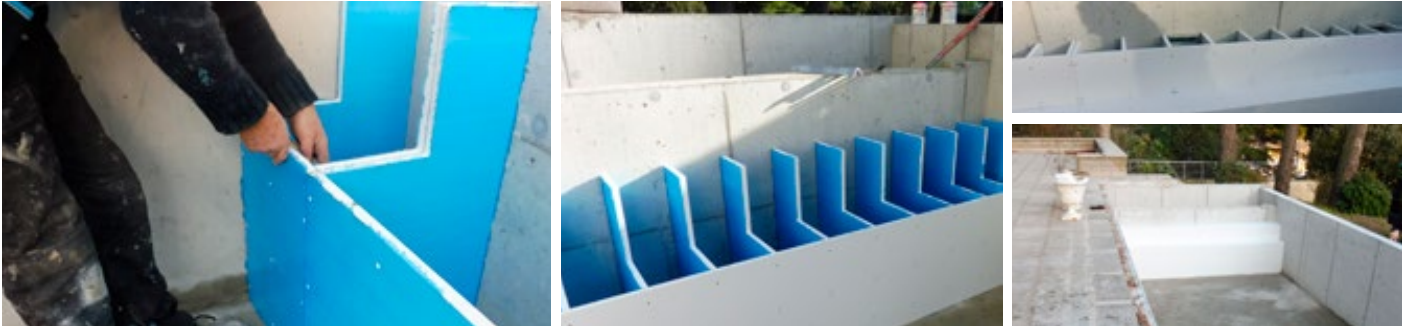
**MEET YOUR CLIENTS' NEEDS.
GIVE FREE REIN TO YOUR IMAGINATION!**



EASY TO INSTALL, PLEASANT TO TOUCH

EdenStep treads and risers are easy to handle. A major advantage when it comes to installation. Pleasant to touch, they are very comfortable for people using the pool.

Cleverly located reinforcements under the treads give the structure rigidity and strength.



EXPANDED PVC

A NON-DEGRADABLE, HIGH PERFORMANCE MATERIAL

Made from sheets of expanded PVC, EdenStep steps are non-degradable, light and ergonomic. Stored flat, the sheets do not deform and they retain their original dimensions. The material is easily machined to make any corrections necessary during installation to compensate for mistakes made when taking the initial measurements or defects in the pool structure.

EdenSteps can be trimmed, pierced, shaved, glued and welded as required, making it easy to make changes imposed by the installation site. The sheets are joined together with stainless steel screws. The mechanical properties of the sheets ensure excellent durability over time.

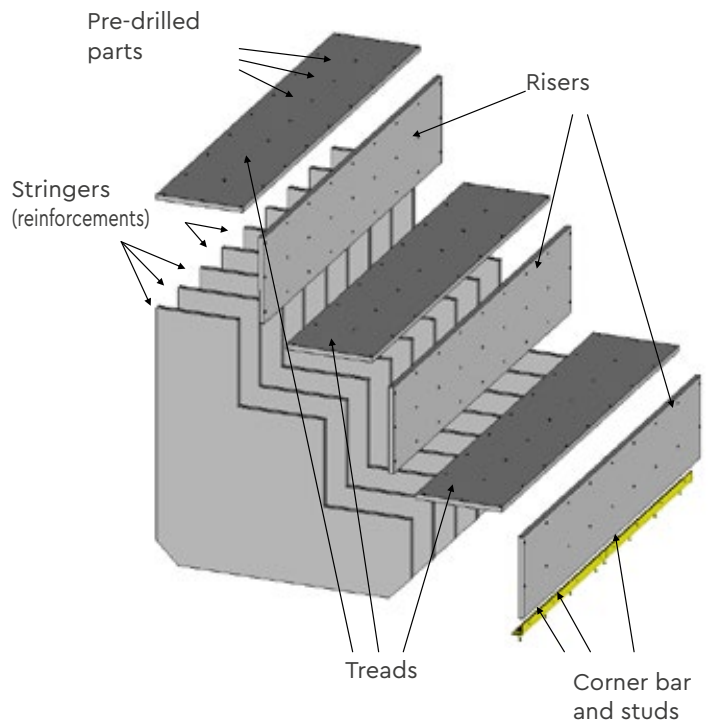
EdenSteps are made of very thick, rigid sheets of expanded PVC that offer excellent bending resistance. They provide excellent insulation and prevent the penetration of the cold. They are entirely compatible with liners and 1.50 mm reinforced membranes that can be welded directly onto the support.

With a simple hole saw you can customise your EdenStep as you see fit, adding underwater lights, return jets and pool fittings of any type.

Ideal for creating a unique pool or a beautiful pool therapy area.

EDENSTEP - EXPLODED VIEW

EdenSteps are comprised of treads, risers, stringers aluminium corner bars and anchoring studs.



ACCESSORIES

SAMPLE CONFIGURATIONS



Straight step



Corner step



Bench and corner step

LADDERS



All our ladders comply with AFNOR standards

Ladders, grab rails and hand rails made of stainless steel are not compatible with water treatment by electrolysis.

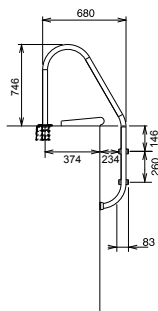


TRIANON

Family 3200

Trianon ladders:

- Ø 42 mm 304-L stainless steel tube,
- Flow drilling: The treads are fastened to the upright tubes through flow drilled holes on the tread-side, this method ensures an impeccably smooth finish with no sharp edges likely to cause injury,
- Stainless steel treads (reinforced resin end pieces),
- Type A4 nuts and bolts,
- Comes with 2 anchor sockets and 2 escutcheon plates in stainless steel.



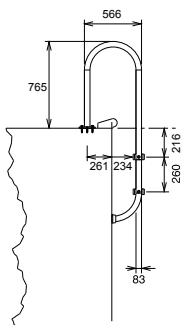
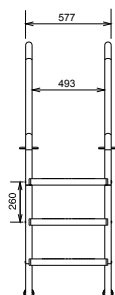
	Description	Ø 42 mm	
		Code	Price
	Trianon ladder, stainless steel, with 2 stainless steel treads	60020200	
1	Trianon ladder, stainless steel, with 3 stainless steel treads	60020300	
	Trianon ladder, stainless steel, with 4 stainless steel treads	60020400	
	Trianon ladder, stainless steel, with 5 stainless steel treads	60020500	

CHAMBORD

Family 3200

Chambord ladders:

- Ø 42 mm 304-L stainless steel tube,
- Two versions are available: one delivered with 2 anchor sockets the other with 2 anchor flanges (for wooden pools),
- 2 decorative stainless steel escutcheon plates,
- Flow drilling: The treads are fastened to the upright tubes through flow drilled holes on the tread-side, this method ensures an impeccably smooth finish with no sharp edges likely to cause injury,
- SS treads (with reinforced resin end pieces),
- Type A4 nuts and bolts.



Code	Description	Price
Model with anchor sockets		
60220200	Chambord ladder, stainless steel, with 2 stainless steel treads	
2	60220300 Chambord ladder, stainless steel, with 3 stainless steel treads	
	60220400 Chambord ladder, stainless steel, with 4 stainless steel treads	
	60220500 Chambord ladder, stainless steel, with 5 stainless steel treads	
model with anchor flanges, wooden pools		
60221200	Chambord ladder, SS, anchor flanges, with 2 stainless steel treads	
3	60221300 Chambord ladder, SS, anchor flanges, with 3 stainless steel treads	
	60221400 Chambord ladder, SS, anchor flanges, with 4 stainless steel treads	
	60221500 Chambord ladder, SS, anchor flanges, with 5 stainless steel treads	
Option for bar covers on wooden pools		
60223000	Articulated hand rail for installation with bar covers/ wooden pools	

VERSAILLES

Family 3200

Versailles ladders:

- Ø 43 mm 316-L stainless steel tubes,
- Flow drilling: The treads are fastened to the upright tubes through flow drilled holes on the tread-side, this method ensures an impeccably smooth finish with no sharp edges likely to cause injury,
- Stainless steel treads (with reinforced resin end pieces),
- Type A4 nuts and bolts,
- Comes with 2 anchor sockets and 2 escutcheon plates in stainless steel.

Code	Description	Price
4	60120200 Versailles ladder, stainless steel, with 2 stainless steel treads	
	60120300 Versailles ladder, stainless steel, with 3 stainless steel treads	
	60120400 Versailles ladder, stainless steel, with 4 stainless steel treads	
	60120500 Versailles ladder, stainless steel, with 5 stainless steel treads	



If a cover is installed: High level: min 188 + 50 + margin = 250 approx
Normal level: min 188 + 150 + margin = 350 approx

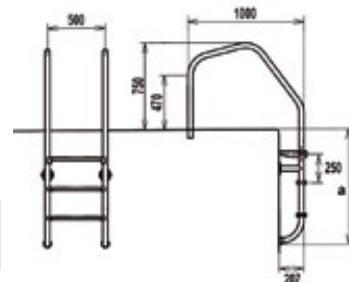


CHINON

Family 3200

Chinon ladders:

- Ø 43 mm 316-L stainless steel tubes,
- Flow drilling: The treads are fastened to the upright tubes through flow drilled holes on the tread-side, this method ensures an impeccably smooth finish with no sharp edges likely to cause injury,
- Stainless steel treads (with reinforced resin end pieces),
- Type A4 nuts and bolts,
- Delivered in one piece,
- Safety step.



	Code	Description	Price
1	60730300	Chinon SS ladder, with 3 SS treads	
	60730400	Chinon SS ladder, with 4 SS treads	



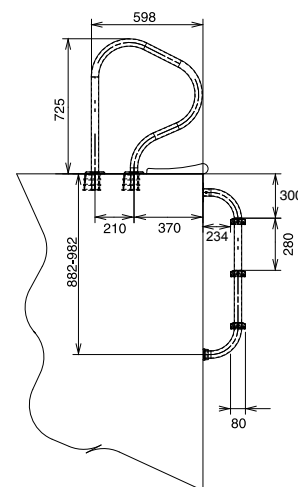
The articulated hand rail is sold separately without treads

RAMBOUILLET

Family 3200

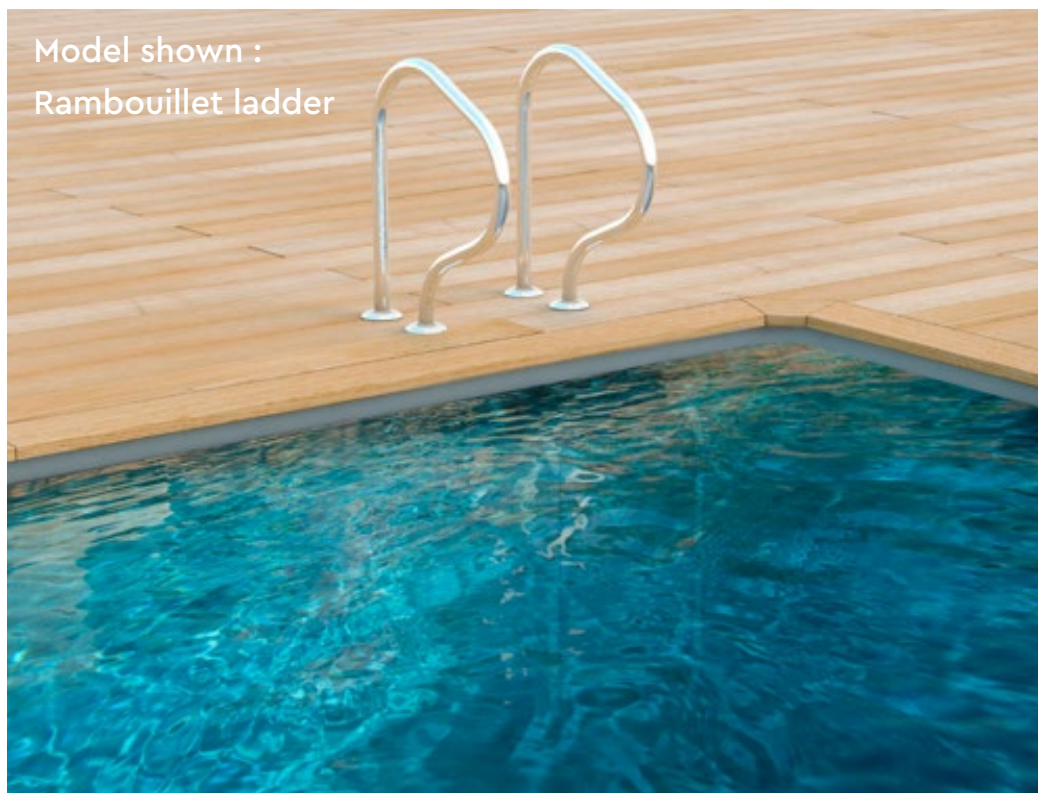
Rambouillet ladders:

- Ø 42 mm 304-L stainless steel tube,
- Stainless steel treads (with reinforced resin end pieces),
- The upper section of the ladder comes with 4 anchor sockets and 4 stainless steel escutcheon plates,
- The submerged section comes with 2 stainless steel plate sockets and 2 adhesive seals.



	Code	Description	Price
2	60320300	Rambouillet stainless steel ladder, with 3 stainless steel treads	
	60320400	Rambouillet stainless steel ladder, with 4 stainless steel treads	

Model shown :
Rambouillet ladder

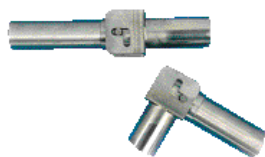


Ladders specially designed for compatibility with automatic covers.

HINGES, BALL PIVOTS & BUMPERS

LADDER HINGES

Family 3200



Code	Description	Price
921200	Ø40 mm stainless steel ladder fixing plate (with screws and bushings)	per pair
60920010	Stainless steel hinge for stainless steel ladder rail Ø 42 mm	per pair
60920011	Ø42 mm stainless steel ladder fixing plate (with screws and bushing)	per pair

+ PROCOPI TOP TIP



Ladder hinges are made of stainless steel

BWT Ø 42 BALL PIVOT AND LADDER BUMPER

Family 3200

					
					
Light blue	Dark blue	Beige	Grey	Anthracite grey	Black
60921025	60922025	60925025	60928025	60927025	60929025

+ Ladder ball pivots and bumpers are sold in sets of 2



HANDRAILS

Family 3200

The 304L stainless steel, Ø 40 mm, hand rails comprise the following elements:

- The handrail itself, Ø 40 mm stainless steel tube,
- Handrail mounting brackets,
- Mounting plates to be embedded in the walls,
- White PVC bumpers,
- Internal connecting sleeves.




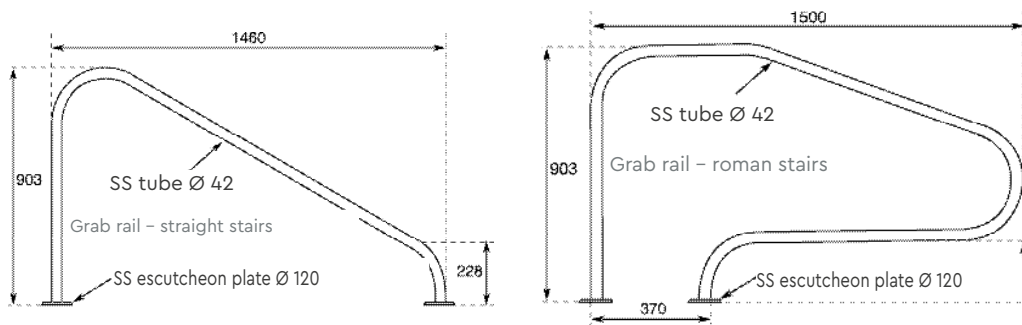
	Code	Description	Price
1	926511	Hand rail, length 1875 mm	
2	924200	Handrail mounting bracket, 1 gasket, stainless steel screws and bushings	
3	924300	Anchor socket, for mounting bracket, with 1 gasket	
4	924400	White PVC bumper	
5	924500	Handrail internal connecting sleeve	

GRAB RAILS

Family 3200

	Code	Description	Price
		Fixing plate model	
6	923110	Handrail with fixing plates for roman steps	
7	923210	Handrail with fixing plates for straight steps	

 Our grab rails are made of 304 L stainless steel Ø 42mm.



Solar shower technical data 1 2 :

- Interchangeable 20 litre reservoir,
- Directional shower head,
- High temperature safety cut-off,
- Mixing tap,
- Height, 2.3m.



	Code	Description	Price
1	846000	Giordano solar shower - to be sealed into the deck	
2	848900	Solar shower with large shower head, mixing tap and foot rinse - 35 liters	
3	848700	Solar shower, Aluminium, 27 litres	



	Code	Description	Price
4	850100	Stainless steel deck shower • (cold water). Narrow water jet. without shower tray	
5	850200	Stainless steel deck shower • (hot and cold water). Wide water jet, without shower tray	
6	850300	Shower tray for stainless steel deck showers (0850100 and 0850200)	

*Non solar

FLOATS, GIZMOS AND PLUGS

Families 2100 & 4200



Float technical data:

- Material: black HD PE,
- Weight: 0.50 m float – 2,730 g, 1.00 m model – 5,460 g
- Ballast: dried and vibrated sand.
- Watertight plug
- Safety hooks to hold the floats together
- Comes in boxes of 6 floats

Plug technical data:

- Conical rubber plugs, with butterfly screw

Gizmo technical data:

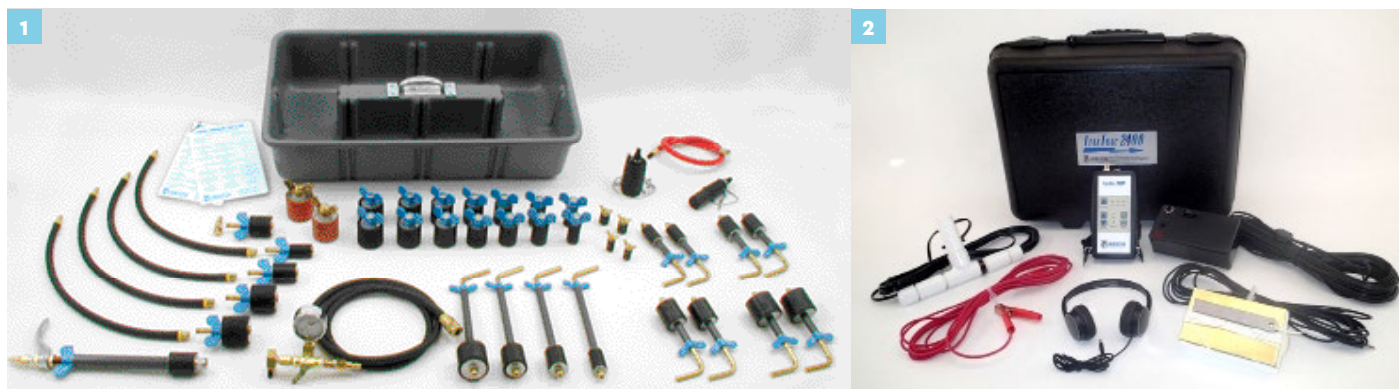
- Material: black HD PE,
- Height: 360 mm, including threading,
- Body diameter: 80 mm

How to calculate the number of floats? The number of floats is calculated based on the width and length of the pool.	Pool length	Pool width	Number of floats required
First, calculate the pool diagonal: $\sqrt{\text{Length}^2 + \text{Width}^2}$. Example: Length 8 m, width 4 m : $\sqrt{8^2 + 4^2} = 8.94$ m Then, calculate the number of floats required: Diagonal/ Float length (50 cm). Example: $894/50 = 17.88$, that is 17 floats.	8	4	17
	10	5	22
	12	6	26

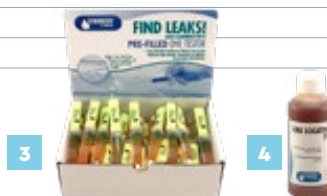
Code	Description	Price
Winterizing floats		
1	1061000 Winterizing float, 0.5 m, weighted	box of 4 , per unit
	1064002 Hook for additional float	per unit
Gizmo		
2	1067000 Gizmo, skimmer ice compensator, threaded 1"1/2 and 2"	
Winterizing plugs		
3	1068020 Rubber anti-freeze plug 1" N°6	
4	1068040 Rubber anti-freeze plug 1" 1/8 N°8	
5	1068100 Rubber anti-freeze plug 1"1/4 N°9 (overall Ø 45 mm)	
6	1068000 Rubber anti-freeze plug 1"1/2 N°10 (overall Ø 50 mm)	
7	1068200 Rubber anti-freeze plug 1"3/4 N°11 (overall Ø 55 mm)	
8	1069000 Rubber anti-freeze plug 2" N°12 (overall Ø 63 mm)	
9	48002001 1"1/2 ABS threaded plug with o-ring	

LINER LEAK DETECTOR

Family 2300



	Code	Description	Net Price
1	809100	Pressure kit, 28 parts	
	809200	Pressure kit, 48 parts	
2	1822900	Liner leak detector, LT2400	
3	1823800	Syringe of fluorescent yellow dye/ leak detection	
4	1823850	Fluorescent yellow dye refill for syringe	



COLLAPSIBLE RESERVOIR

Family 2300

This closed, plaint PVC reservoir can hold up to 12 m³ of water. The reservoir can be used:

- to store some or all of the pool water during an intervention that requires the pool to be totally or partially emptied; replacing an underwater light, dismantling an automatic cover, etc.
- to store enough water to speed fitting of a liner, notably to make the necessary cut-outs without having to wait the time usually required to fill the pool by conventional method.

The filled reservoir measures 8 × 2 m and is 75 cm high, so it can be kept close to the work site (lawn, garage, etc.).

Code	Description
1834120	Collapsible reservoir, 8 × 2 m, 12m ³



GRADUATED PVC ADHESIVE TAPE FOR TRIANGULATION

Family 2300



Code	Description	Net Price
2001970	Graduated PVC adhesive tape for triangulation	

FUNCTIONAL EARTH RESISTIVITY TESTER

Family 2300

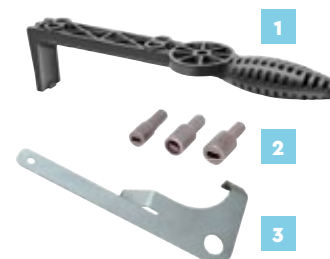


Code	Description	Net Price
689900	Functional earth resistivity tester	

BWT ACCESSORIES FOR EUROSTAR HF, II & BELSTAR PUMPS

Family 2300

	Code	Description	Net Price
1	545198	Tool to open a BWT Eurostar HF, II and Belstar pre-filter	
2	545199	Tool bits for dismantling a Eurostar pump, 3	
3	22390200	RTM filter locking ring loosening tool	



BWT STARDECK DISMANTLING TOOL AND SPIRIT LEVEL

Family 2300

	Code	Description	Net Price
4	32860000	Stardeck cover axle dismantling tool	
5	32590300	Spirit level for throughwall flange and bearing mounting unit	



KARCHER DRAINAGE PUMP

Family 2300

	Code	Description	Net Price
6	608000	Karcher drainage pump, flow rate 5 m ³ /h at 5 mWC	
7	609000	Karcher drainage pump, flow rate 16 m ³ /h at 9 mWC	



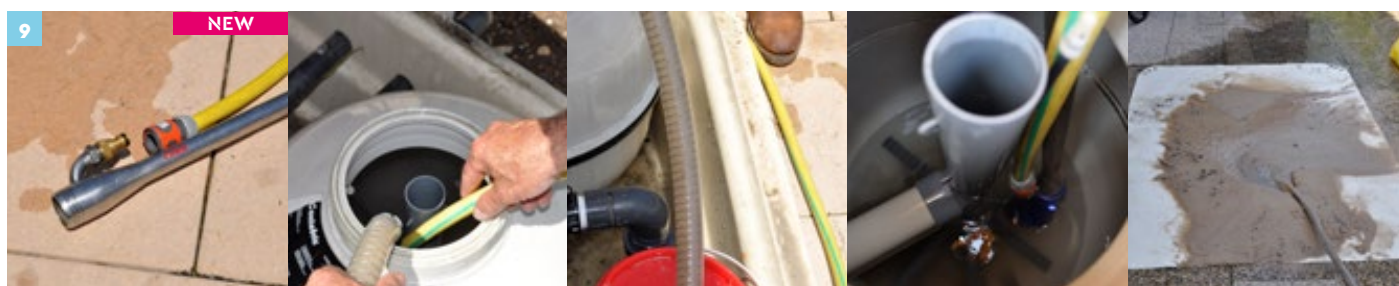
Delivered with a 10m cable

SAND FILTER VACUUM

Family 2300

	Code	Description	Net Price
8	249000	Typhon M30 vacuum for sand filter on a high pressure cleaner	
9	249500	Typhon M25 vacuum for sand filter on a high pressure cleaner NEW	

- The Typhon M30 sand filter vacuum works with a high pressure cleaner (maximum 160 bar).
- The new Typhon M25 sand filter vacuum works with the pressure of a garden hose.
- Delivered with 5m of transparent tubing.





Code	Description	Net Price
	PVC pipe tool	
1	1399100 Wire cutter for PCV pipe	
2	1399200 Chamfering device for tube Ø 20 to 63 mm	
3	1399270 Multi-purpose tool	
4	1399280 Abrasive, waterproof roll 25mx38mm	
5	1399150 Orange DUCT TAPE for pipe stubs, 25M	



Code	Description	Net Price
	Wipes, cleaning clothes and application gun	
6	1399300 Wipes (75 scrub wipes)	
7	1399350 Cleaner Cloth, absorbant, lint free cloths (100 clothes)	
8	1398150 Applicator Pro Stop, 360° cradle	
9	1824990 Liquid PVC mixer	



LINER Q-VAC III VACUUM

Family 2300

Code	Description	Price
1823500	Q VAC III liner vaccum	Net Price
1821013	Flexible hose for the Q-VAC vacuum	



ELECTRIC SHEAR

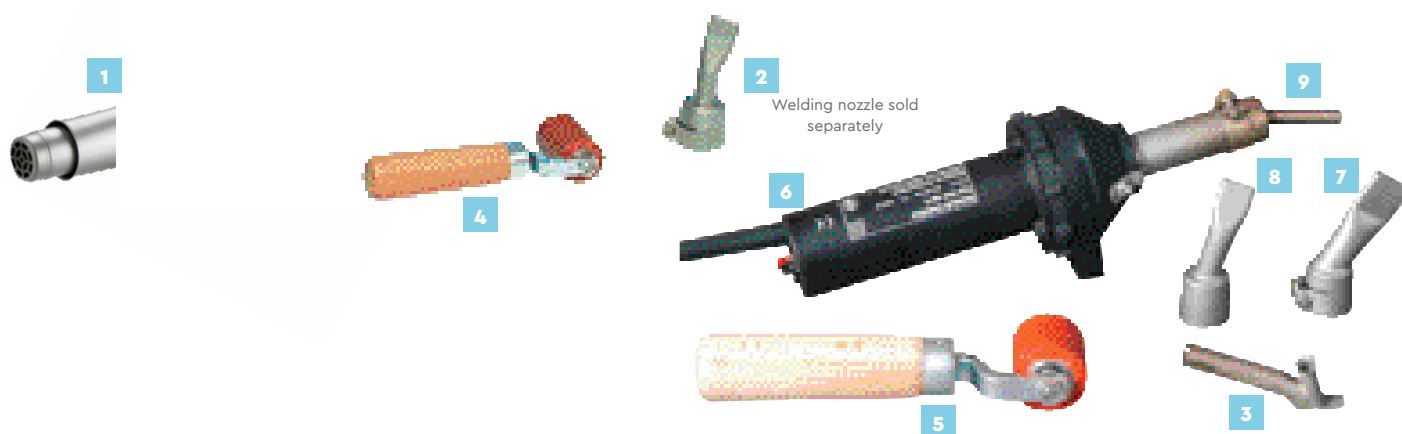
Family 2300

Code	Description	Price
1821500	Battery powered electric scissors for cutting Alkorplan and felt	



LEISTER

Family 2300



	Code	Description	Net Price
		Leister triac	
1	1830000	Leister Triac AT, 1600 watts with electronic regulation and digital read out	
2	1830200	Bent welding nozzle, 20 mm, model 30 A1	
	1830220	Welding nozzle with 90° bend, 20 mm, model 30 A2	
	1830230	Welding nozzle with 60° bend, 20 mm, model 30 A3	
3	1830210	Welding nozzle for 9 mm strip, model 30 B6	
	1830240	Standard 5 mm welding nozzle - 31 A	
	1830400	Welding rod, 1m	
4	1830300	Pressure roller, 40 mm, model 22D	
5	1830310	Pressure roller 28 mm, model 22F	
		Leister hot jet	
6	1830500	Mini Leister Hot Jet S, 460 W with electronic regulation	
7	1830600	Bent welding nozzle, 20 mm, model 30 F	
8	1830610	Welding nozzle with 30° bend, 15 mm, model 30 E	
9	1830620	Standard 5 mm welding nozzle, model 31 A	

ACCESSORIES



BWT CONSTRUCTION & RENOVATION

Complies with the following standards:

Standard NF EN 15836-1 August 2010 : Homogeneous membranes, thickness greater than or equal to 0.75 mm.

Standard NF EN 15836-2 August 2010 : Reinforced membranes, thickness greater than or equal to 1.50 mm.

Standard NF T54-802 April 2010 : Guide to laying, replacement, use and maintenance of a liner (Previously DTP N°3).

Standard NFT54-804 February 2008 : Guide to laying, replacement, use and maintenance of a reinforced membrane (Previously DTP N°3).

06

Waterproofing membranes

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FASTLINE

FAST TRACKED PRODUCTION

LINERS

YOUR LINER MANUFACTURED
IN JUST 4 DAYS



AVAILABLE
YEAR ROUND



USE AQUASOFT TO
SIMPLIFY PLACEMENT OF
YOUR ORDER



THE FASTLINE SERVICE IS RESERVED EXCLUSIVELY FOR PROCOPi'S PROFESSIONAL CLIENTS.

THIS SERVICE, WHICH IS AVAILABLE **YEAR ROUND** ALLOWS PROFESSIONAL CLIENTS TO OBTAIN LINERS WITHIN A SHORT, GUARANTEED LEAD TIME



LEADTIME

FASTLINE LINER D+4, for Aqualiners and V2F Superliners.

The 4 day manufacturing lead time starts on D day, the day that Procopi receives the order from its professional client for a liner that may be manufactured as described.

The manufacturing lead time is expressed in working days, departure from our factory..

PRICE

For the Fastline service the professional client will be invoiced a surcharge equal to +15%.



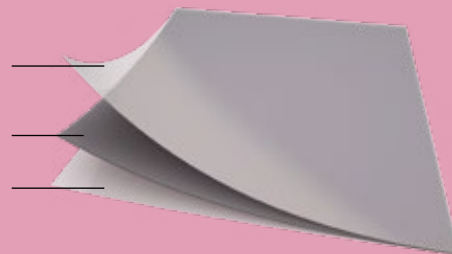
Fastline service terms and conditions are available on procopi.com

Superliner 0.85 mm varnished on both surfaces



Protective acrylic varnish
High performance 0.85mm, PVC-P membrane

Protective acrylic varnish



Technical data

Superliner V2F 0.85 mm liners are made in our factory in Le Rheu, France, where we have been making liners for the last forty years. Superliner V2F 0.85 mm liners perform exceptionally well, this is due to the technical properties of the 0.85 mm membrane for which Procopi is the exclusive distributor in Europe.

The technical properties of Superliner V2F 0.85 mm membranes, which do of course comply with the French standards AFNOR NFT 54 802 and NF 15836-1 as well as the REACH directive (EC 1907/2006), are as follows:

- **A protective layer of acrylic varnish applied to both surfaces:**
 - The layer of varnish, 5 microns thick, applied to the external surface of the membrane ensures better resistance to micro-organisms that can grow between the liner and the support structure.
 - The layer of varnish, 8 microns thick, applied to the internal surface:
 - Facilitates cleaning of the liner, and notably the water line,
 - Improves the protection of pigments against the exposure to UV light,
 - Slows discolouration of the membrane,
 - Protects the membrane against abrasion and scratching.
- **Protection against the growth of algae, bacteria and micro-organisms provided by a fungicide impregnated into the membrane.**
- **Withstands water temperatures up to 35°C maximum.**
- **Optimal dimensional stability.**
- **5 types of liner beading: Hung cristal (Procopi patent), Hung harpon, Overlap, Extrusion type 2 and Extrusion type 3**
- **A wide selection of colours and patterns:**
 - 11 plain colours,
 - 3 patterns,
 - 10 friezes and tile bands.

The plain colours match our pool fittings and our automatic covers.

- **Exceptional guarantees (see above), a natural outcome of the outstanding technical properties of the Superliner V2F 0.85 mm PVC-P membrane.**

Guarantees

Standard guarantees offered on Superliner V2F 0.85 mm liners are reserved exclusively to Procopi's professional clients. They apply to all Superliner V2F 0.85 mm liners delivered after February 1st 2016.

Guarantees covering Superliner V2F 0.85 mm liners entail the professional client's acceptance of the provisions and recommendations set out in the following documents:

- French standard NF EN 15836-1, August 2010,
- French standard NF T 54-802, April 2010,
- The document "Use and maintenance of PVC-P membranes", issued by the Procopi company.

In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

The complete terms and conditions for application of the Superliner V2F 0.85 mm guarantees are available on procopi.com



Preview designs, generate quotes, place orders with the Aquasoft liner application



Details of guarantees are available on our Internet site: www.procopi.com

We offer a choice of five Liner beading types

Our Superliner V2F and Aqualiner liners can be finished with any of the five types of liner beading:

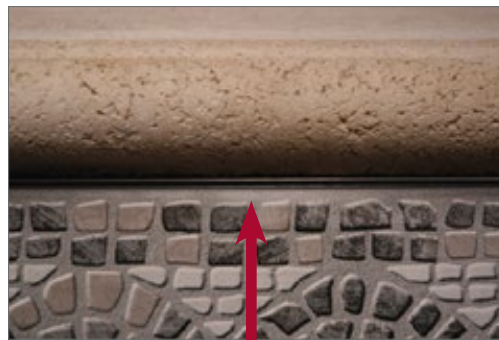
- Hung cristal (Procopi patent),
- Hung harpon,
- Overlap,
- Extrusion type 2
- Extrusion type 3

Hung cristal liner beading

This patented Procopi technology features the following advantages:

- Tried and tested over a number of years,
- No visible welds around the upper periphery of the liner,
- No visible colour difference between the liner and the liner beading,

- Uniform ageing of the membrane,
- Resistant to attack from micro-organisms and U.V. radiation,
- Perfectly uniform colour,
- The design continuity of patterned liners and tile bands is respected.



- No visible welds
- No colour difference
- Homogenous pattern or colour
- Pattern continuity respected

Overlap liner beading

With this type of liner beading, the height of the liner can be adjusted on site. An additional 10 cm must be added the height of the liner to allow for this adjustment. Some pools are fitted with Overlap aluminium liner locking track.

We can manufacture liners with this type of liner beading on request, do not forget to add an additional 10 cm to the finished liner height.

Hung harpon liner beading

- Hung harpon liner beading is made of a different material to that of the membrane,
- The membrane and Hung harpon liner beading will age at different rates,
- Colour difference between the Hung harpon liner beading and the membrane,
- The Hung harpon liner beading weld is visible,
- Obvious contrast between the Hung harpon liner beading and a patterned membrane.



Extrusion 2 & 3 beading

(only available in dark blue for metal frame pools)

Extrusion type 2



Extrusion type 3



Harpon beading

(for pools of all types fitted with a Hung liner locking track)



Hung Cristal beading

(for pools of all types fitted with Hung liner locking track)



NF Reminder of the standards:

All Superliner V2F liners are made from high performance PVC-P membranes. These membranes comply with every stipulation of the French standards AFNOR NF EN 15836-1 (August 2010), as well as the Reach directive (EC 1907/2006).

The procedures for correct fitting and maintenance of Superliner V2F 0.85 mm liners (and liners in general) are set out in the French standard, AFNOR N FT 54 802• (April 2010).

We strongly recommend that you familiarise yourself with this standard and that you advise your clients of the responsibilities incumbent on them, according to this document.

(•)Standards available from AFNOR.

+ CAUTION: Dark colours (notably black and anthracite grey) are very sensitive to excess concentrations of oxidising products. The Redox potential (oxidation reduction potential) of the pool water will have a significant impact on the Superliner V2F 0.85 mm membrane's ability to hold its colour over time. The Redox potential varies depending on the type of Chlorine used in the pool (stabilised or non-stabilised), the pH of the pool water and the Isocyanuric Acid concentration in the pool. To protect the pigments in the membrane, the Redox potential should not be allowed to rise above 750mV over a sustained period of time.



+ PROCOPI TOP TIP

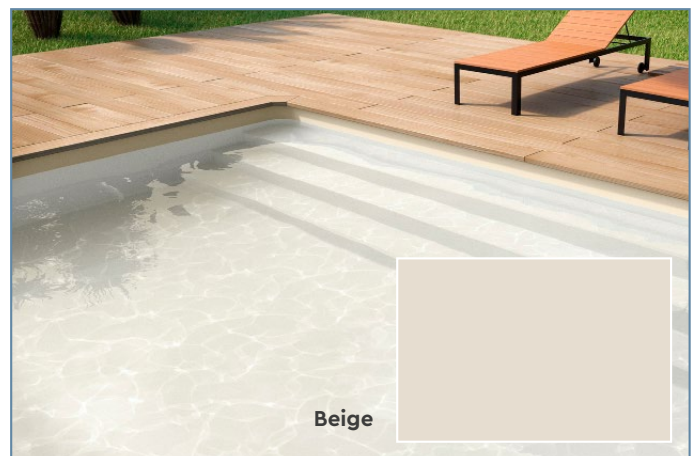
Our non-slip step pieces are listed on p. 148



BWT SUPERLINER V2F 0.85 MM - PLAIN

Family 6310

Description	Price
Rectangular, all floor contours	
Superliner 0.85 mm, plain, finished with Hung liner beading – Price per m ²	
Other pool shapes	
Superliner 0.78 mm, plain, finished with Hung liner beading – Price per m ²	



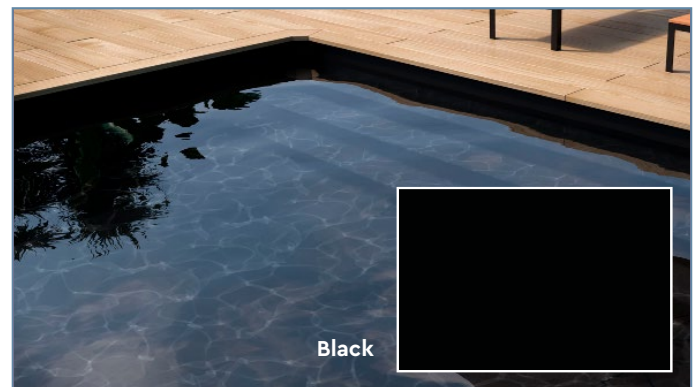
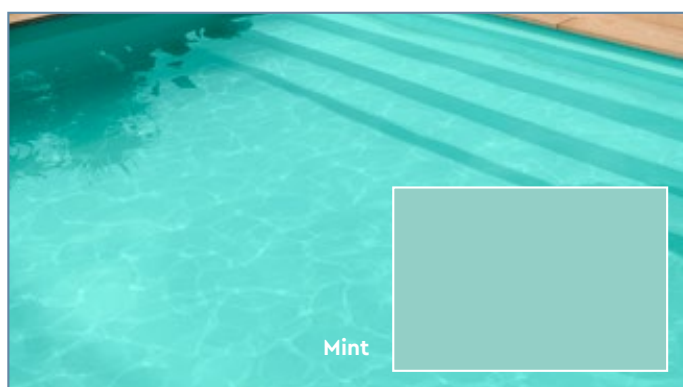
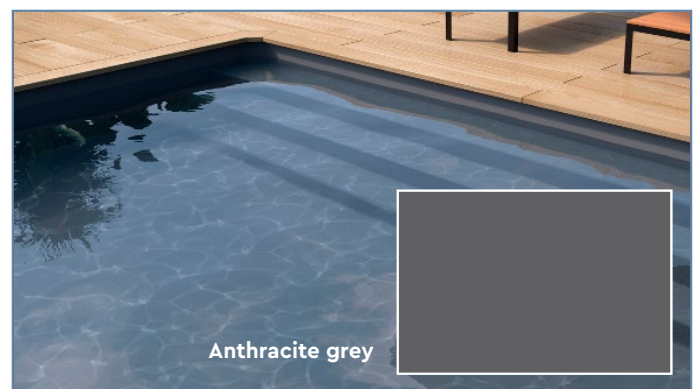
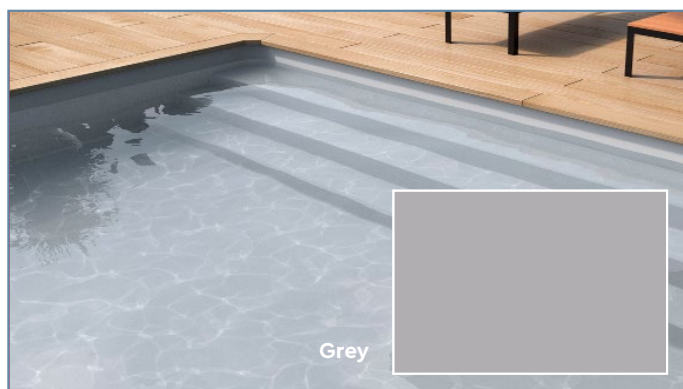
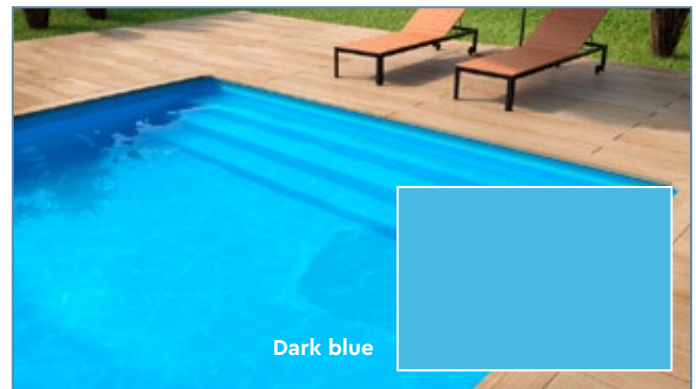
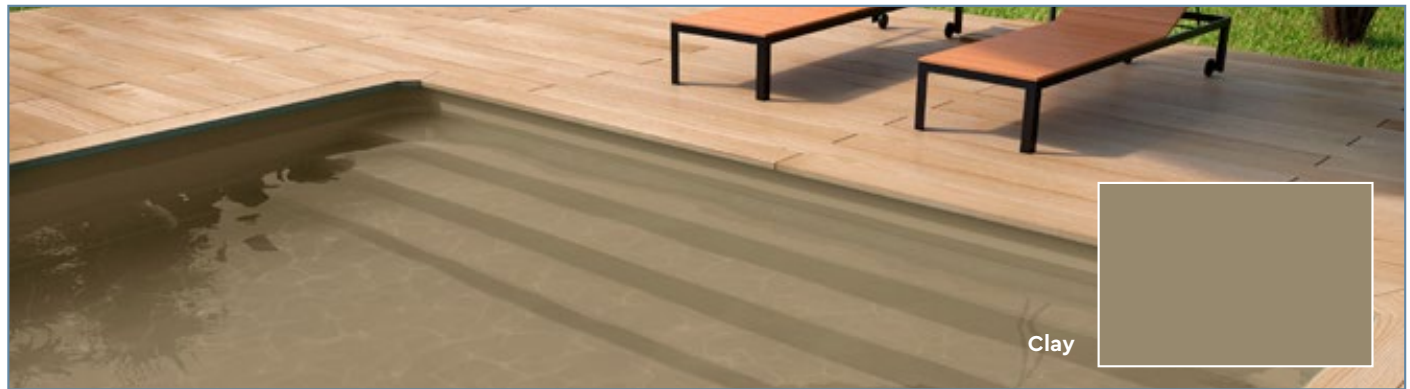
VARNISHED LINER, 0.85 MM V2F



BWT SUPERLINER V2F 0.85 MM - PLAIN

Family 6310

Description	Price
Rectangular, all floor contours	
Superliner 0.85 mm, plain, finished with Hung liner beading - Price per m ²	
Other pool shapes	
Superliner 0.85 mm, plain, finished with Hung liner beading - Price per m ²	

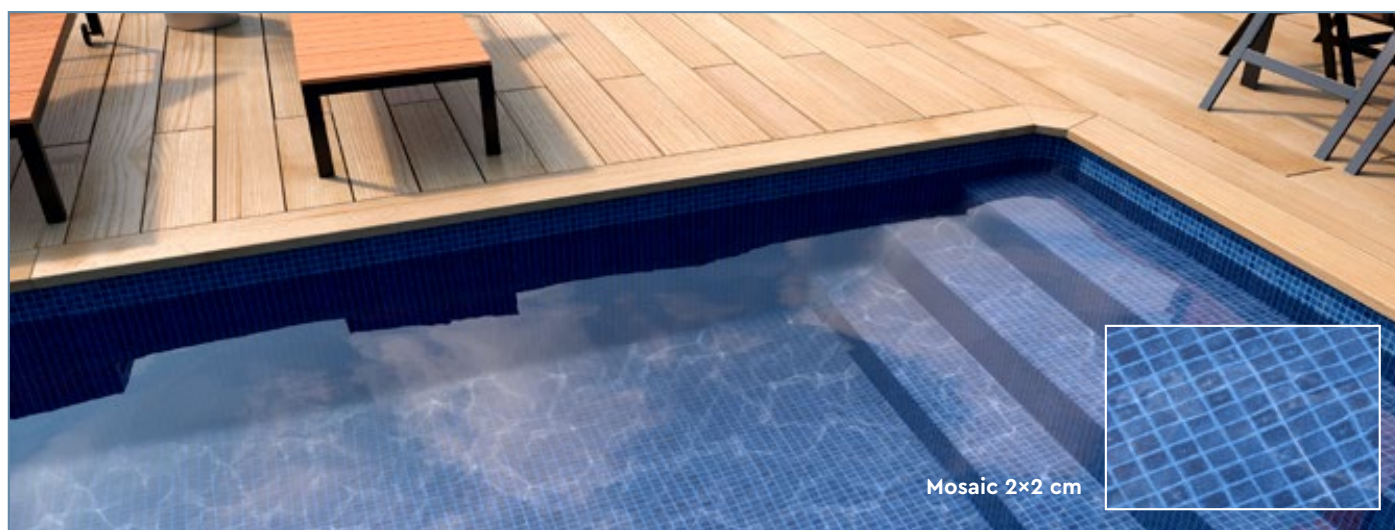




BWT SUPERLINER V2F 0.85 MM - PATTERNED 

Family 6310

Description	Price
Rectangular, all floor contours	
Superliner V2F 0.85 mm, patterned, finished with Hung liner beading- Price per m ²	
Other pool shapes	
Superliner V2F 0.85 mm, patterned, finished with Hung liner beading- Price per m ²	



WATERPROOFING MEMBRANES

VARNISHED LINER, 0.85 MM V2F

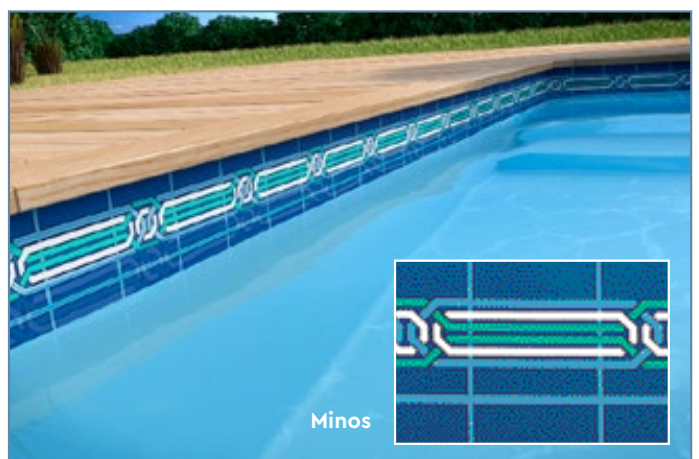
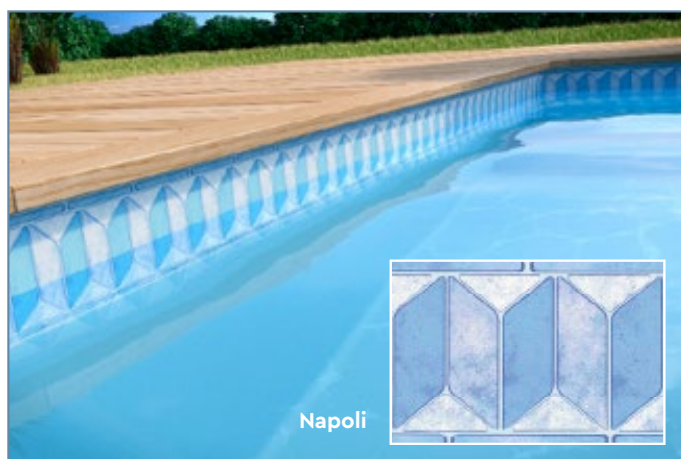
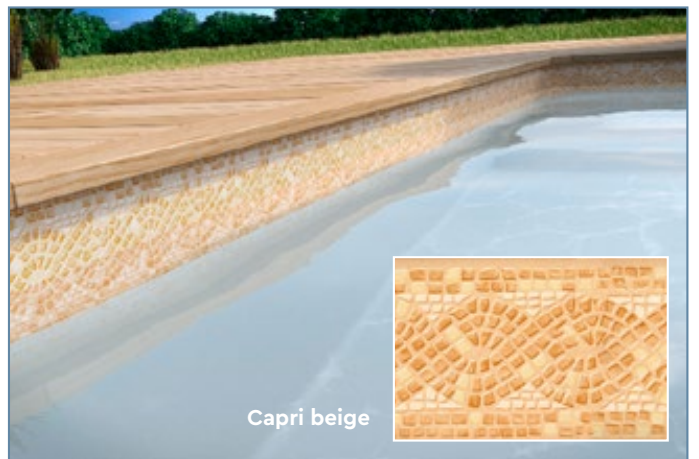
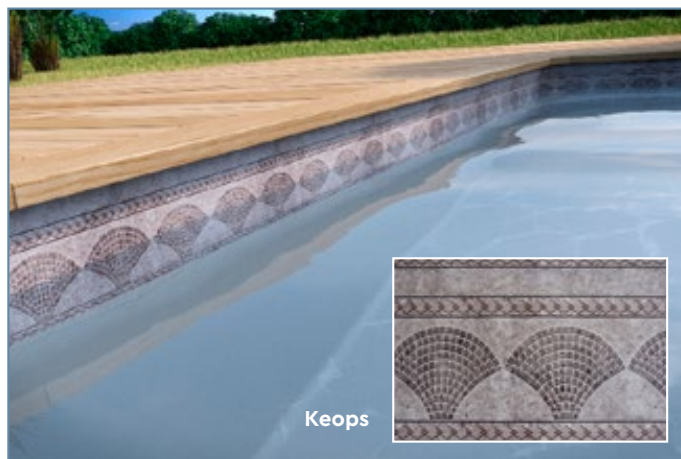
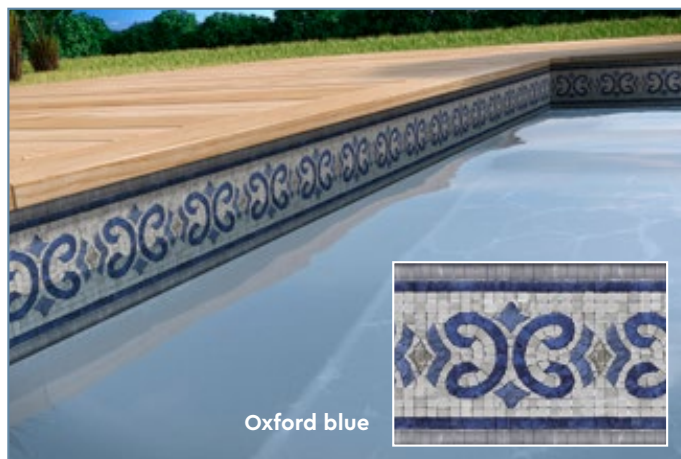


+ CAUTION: On the contrary to the price of the Superliner V2F, which is calculated per m², the price of the tile band is calculated in linear meters (perimeter of the pool). Do not forget to deduct the surface area of the patterned tile band (height 25 cm) from the surface area (and the price) of the Superliner. The tile band will be invoiced separately.

BWT SUPERLINER V2F 0.85 MM - FRIEZES

Family 6310

Description	Price
All pool shapes	
Supplement for a tile band or frieze on a Superliner V2F 0.85 mm finished with a Hung liner locking track	Price per meter
Special offer	
Supplement for a Minos frieze on a Superliner V2F 0.85 mm finished with a Hung liner locking track#	Price per meter
Supplement for a Napoli frieze on a Superliner V2F 0.85 mm finished with a Hung liner locking track#	Price per meter

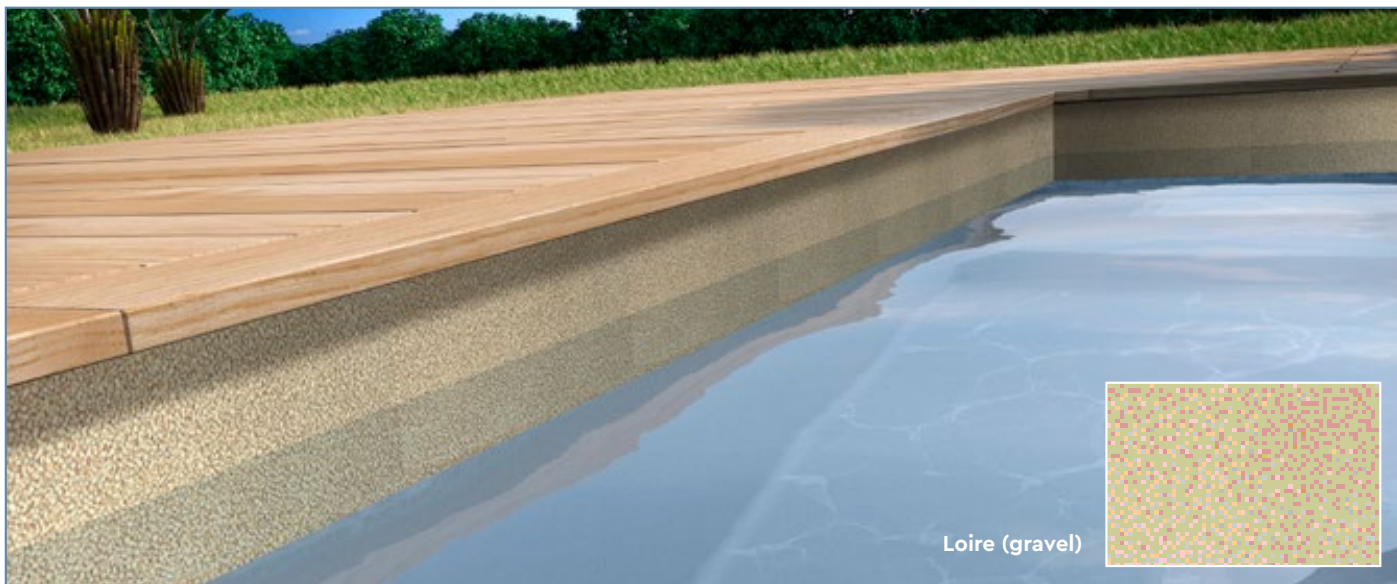


Available while stocks last



BWT SUPERLINER V2F 0.85 MM - TILE BANDS 

Family 6310



WATERPROOFING MEMBRANES

Available while stocks last



FASTLINE

FAST TRACKED PRODUCTION

LINERS

YOUR LINER MANUFACTURED
IN JUST 4 DAYS



AVAILABLE
YEAR ROUND



USE AQUASOFT TO
SIMPLIFY PLACEMENT OF
YOUR ORDER



THE FASTLINE SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPI'S PROFESSIONAL
CLIENTS.

THIS SERVICE, WHICH IS AVAILABLE
YEAR ROUND
ALLOWS PROFESSIONAL CLIENTS TO OBTAIN
LINERS WITHIN A SHORT, GUARANTEED LEAD
TIME



LEADTIME

FASTLINE LINER D+4, for Aqualiners and V2F Superliners.

The 4 day manufacturing lead time starts on D day, the day that Procopi receives the order from its professional client for a liner that may be manufactured as described.

The manufacturing lead time is expressed in working days, departure from our factory..

PRICE

For the Fastline service the professional client will be invoiced a surcharge equal to +15%



Fastline service terms and conditions are available on procopi.com

Aqualiner 0.75 mm



High performance, 0.75 mm, PVC-P membrane



Technical data

0.75 mm Aqualiners are made in our factory in Le Rheu, France, where we have been making liners for the last forty years. Aqualiner 0.75 mm liners perform exceptionally well and are perfectly suited to the needs of private pools, a direct result of the technical properties of the 0.75 mm PVC-P membrane of which the liner is made.

The technical properties of the Aqualiner 0.75 mm membrane, which does of course comply with the French standards AFNOR NF T 54 802 and NF 15836-1 as well as the REACH directive (EC 1907/2006), are as follows:

- **Protection against the growth of algae, bacteria and micro-organisms provided by a fungicide impregnated into the membrane.**
- **Withstands water temperatures up to 33°C maximum,**
- **Suitable dimensional stability.**
- **5 types of liner beading: Hung cristal (Procopi patent), Hung harpon, Overlap, Extrusion type 2 and Extrusion type 3**

A wide selection of colours and patterns:

- 6 plain colours,
- 4 patterns,
- 15 friezes and tile bands

- **The plain colours match our pool fittings and our automatic covers.**
- **Guarantees offered by Procopi.**

Guarantees

Standard guarantees offered on 0.75 mm Aqualiners are reserved exclusively to Procopi's professional clients. They apply to all 0.75 mm Aqualiners delivered after February 1st 2016.

- **Guarantees covering 0.75 mm Aqualiners entail the professional client's acceptance of the provisions and recommendations set out in the following documents:**
 - French standard NF EN 15836-1, August 2010,
 - French standard NF T 54-802, April 2010,
 - The document "Use and maintenance of PVC-P membranes", issued by the Procopi company.

In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

LINER, 0.75 MM



NF Reminder of the standards:
0.75 mm liners are made from high performance PVC- membranes. These membranes comply with every stipulations of the standards AFNOR NF 15836-1 (August 2010), and the REACH directive (EC 1907/2006).


The procedures for correct fitting of an Aqualiner 0.75 mm (and liners in general) are set out in the French standard AFNOR NFT 54 802 (April 2010).

We strongly recommend that you familiarise yourself with this standard, and the document «Use and maintenance of PVC-P membrane (available from your Procopi agent or for download from our internet site) and that you advise your clients of the responsibilities incumbent on them according to said documents.

(•)Standards available from AFNOR.

+ CAUTION: Dark colours (notably black and anthracite grey) are very sensitive to excess concentrations of oxidising products. The Redox potential (oxidation reduction potential) of the pool water will have a significant impact on the Aqualiner 0.75 mm membrane's ability to hold its colour over time. The Redox potential varies depending on the type of Chlorine used in the pool (stabilised or non-stabilised), the pH of the pool water and the Isoyanuric Acid concentration in the pool. To protect the pigments in the membrane, the Redox potential should not be allowed to rise above 750mV over a sustained period of time.

+ **PROCOPI TOP TIP**

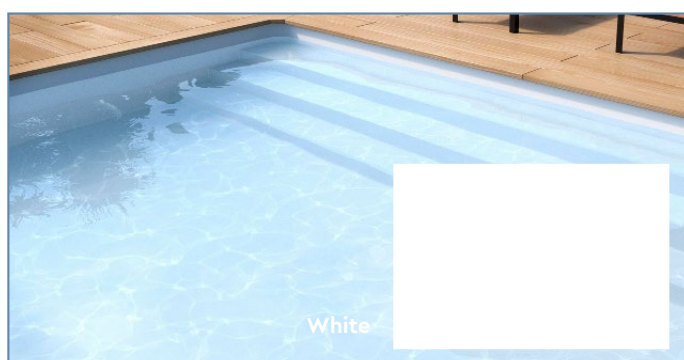
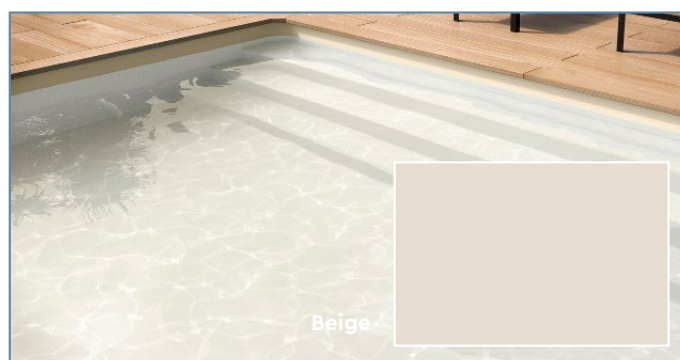
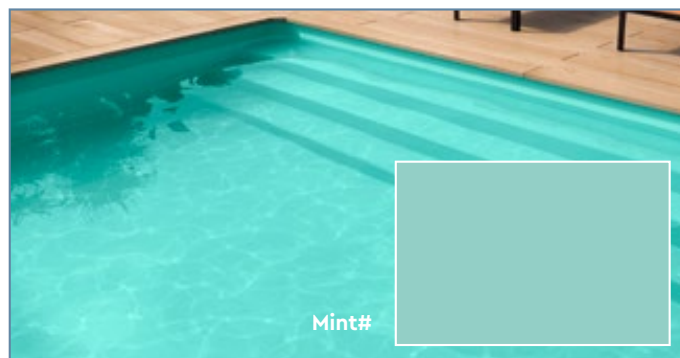


Our non-slip step pieces are listed from page 148

BWT AQUALINER 0.75 MM - PLAIN

Family 6210

Description	Price
Rectangular, all floor contours	
Aqualiner 0.75 mm, plain, finished with Hung liner beading – Price per m ²	
Other pool shapes	
Aqualiner 0.75 mm, plain, finished with Hung liner beading – Price per m ²	

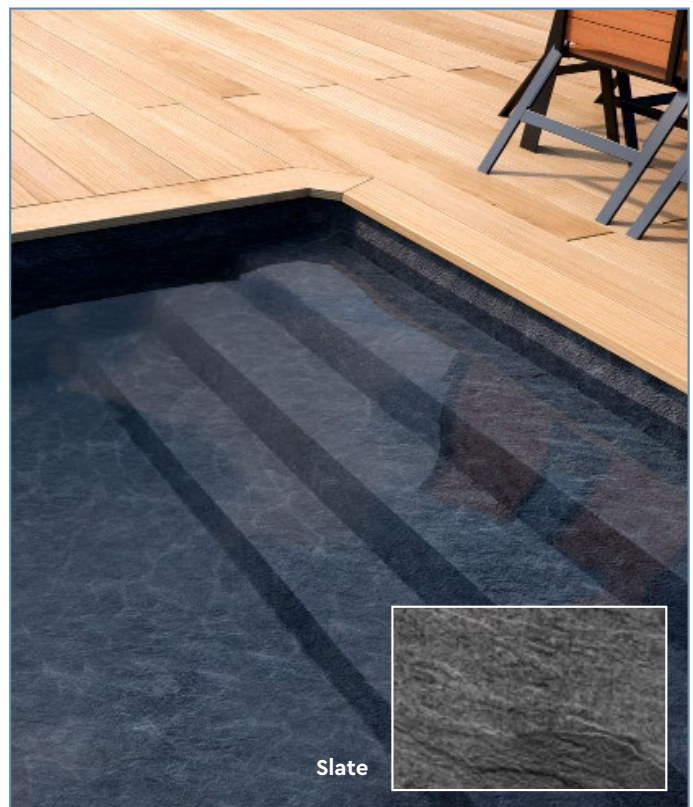
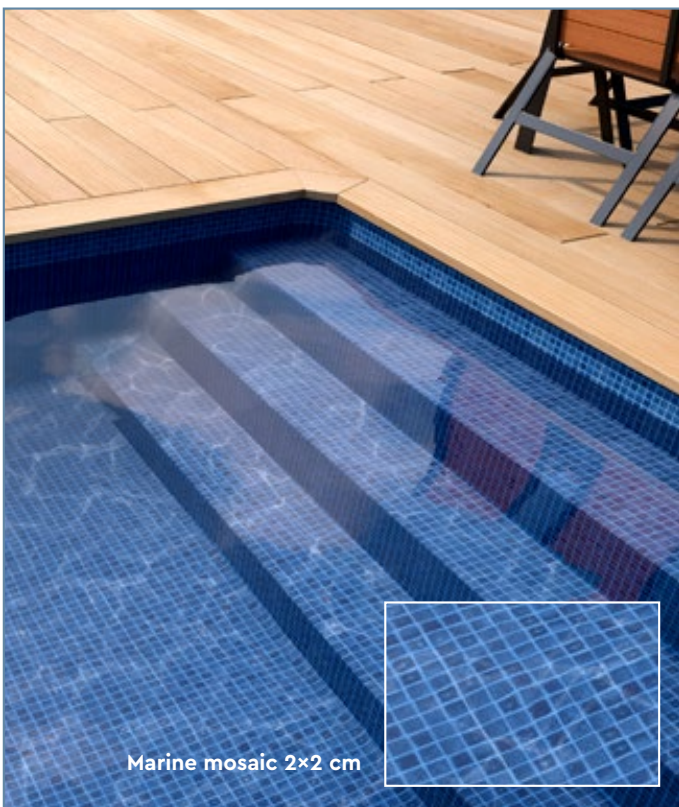
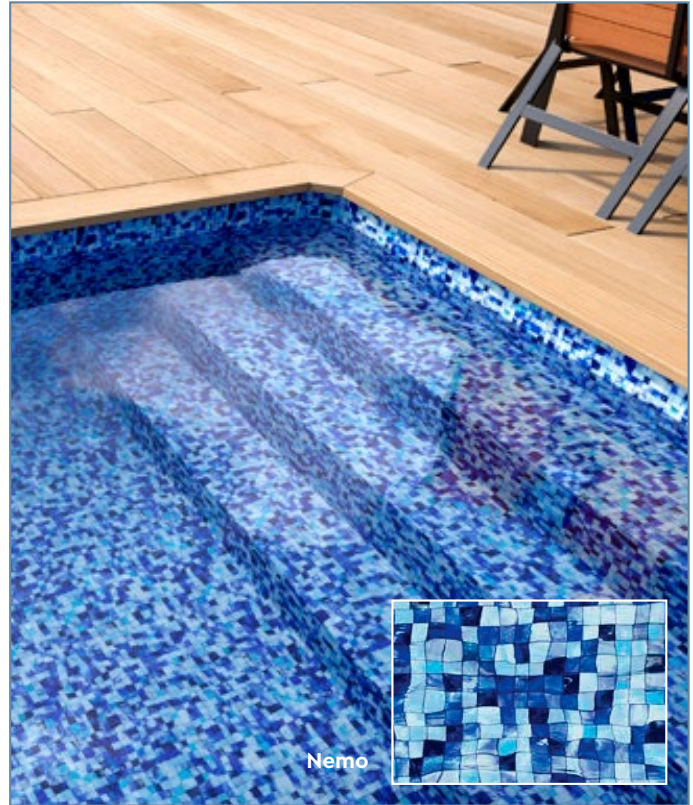




BWT AQUALINER 0.75 MM - PATTERNED 

Family 6210

Description	Price
Rectangular, all floor contours	
Aqualiner 0.75 mm, patterned, finished with Hung liner beading- Price per m ²	
Other pool shapes	
Aqualiner 0.75 mm, patterned, finished with Hung liner beading- Price per m ²	



WATERPROOFING MEMBRANES

BWT AQUALINER 0.75 MM - FRIEZES AND TILE BANDS 

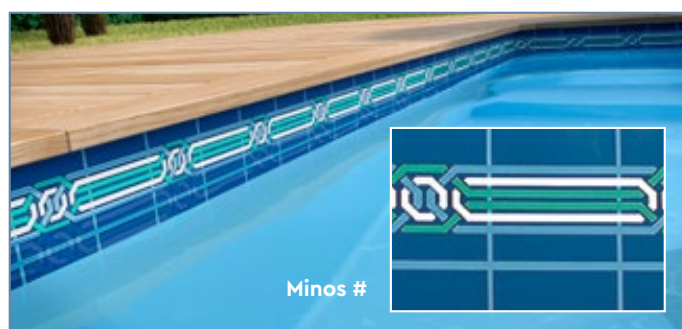
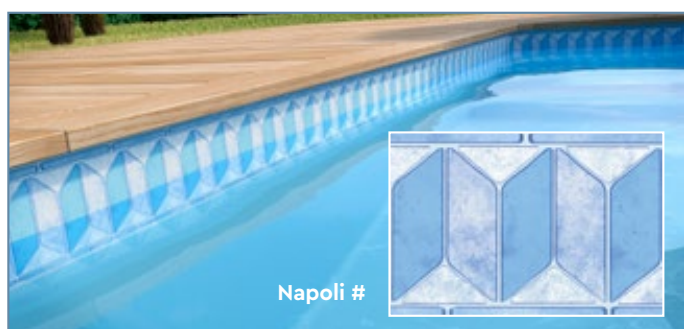
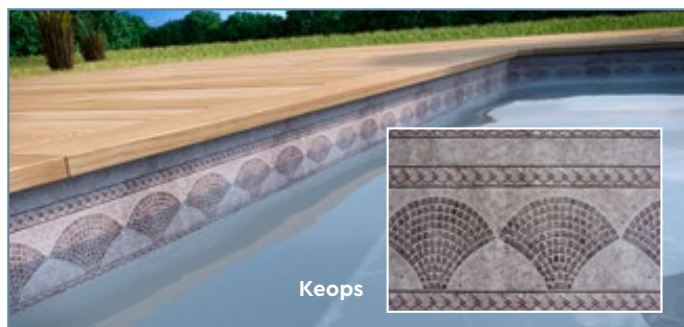
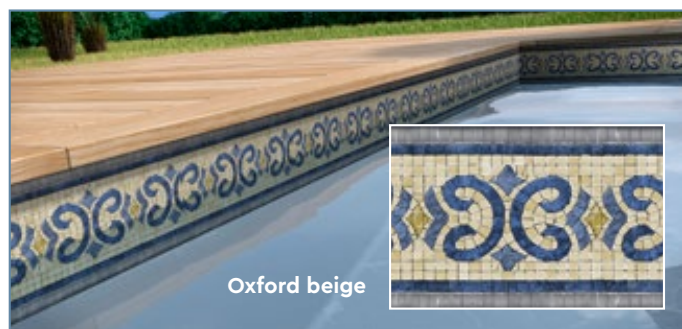
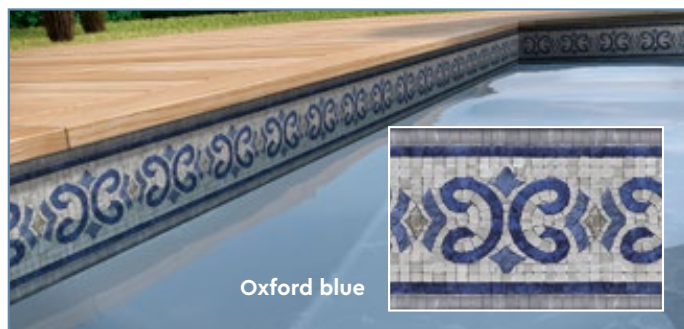
Family 6210

+ NOTE: An Aqualiner with patterned tile band is comprised of an Aqualiner, as described previously and a supplement for the tile band. On the contrary to the price of the Aqualiner, which is calculated per m², the price of the tile band is calculated in linear meters (perimeter of the pool). Do not forget to deduct the surface area of the patterned tile band (height 25 cm) from the surface area (and the price) of the Aqualiner. The tile band will be invoiced separately.

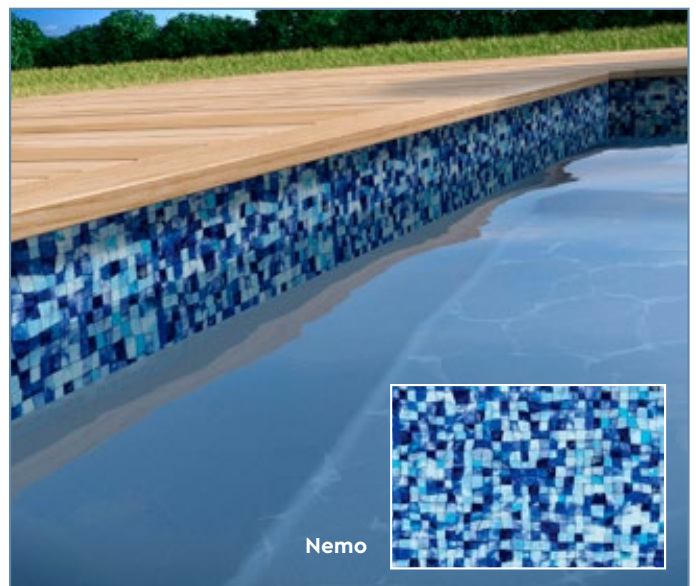
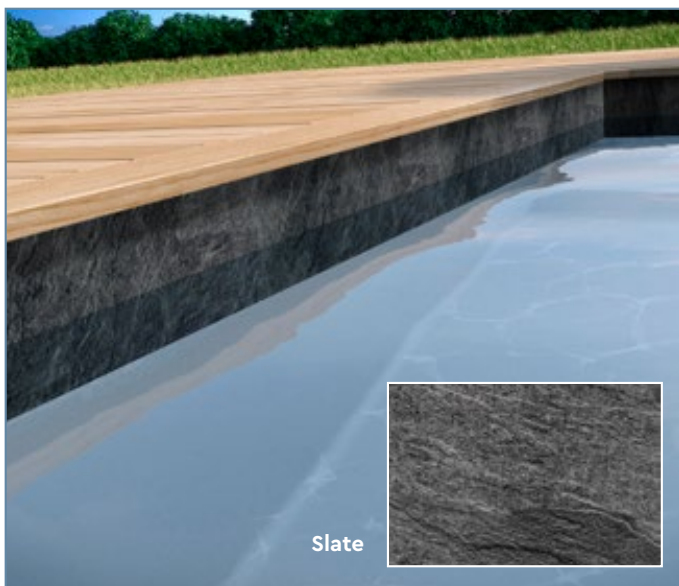
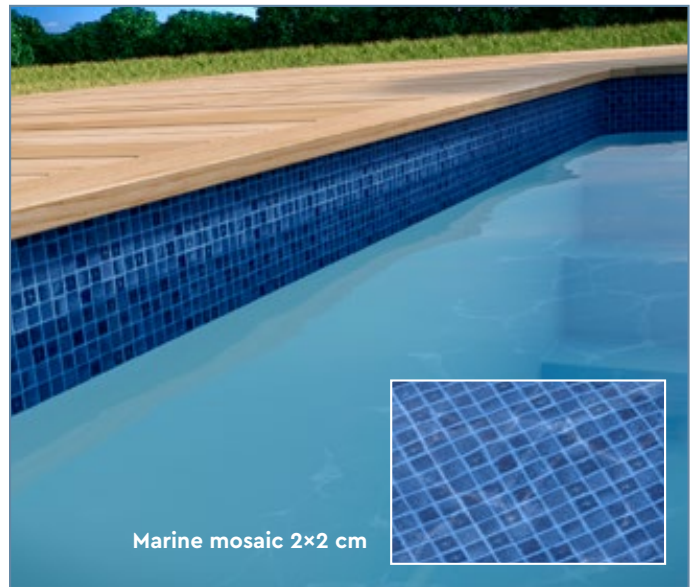
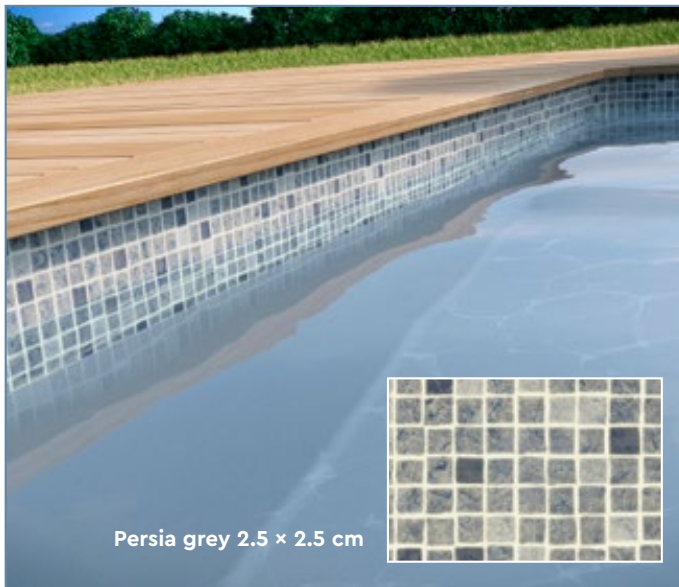
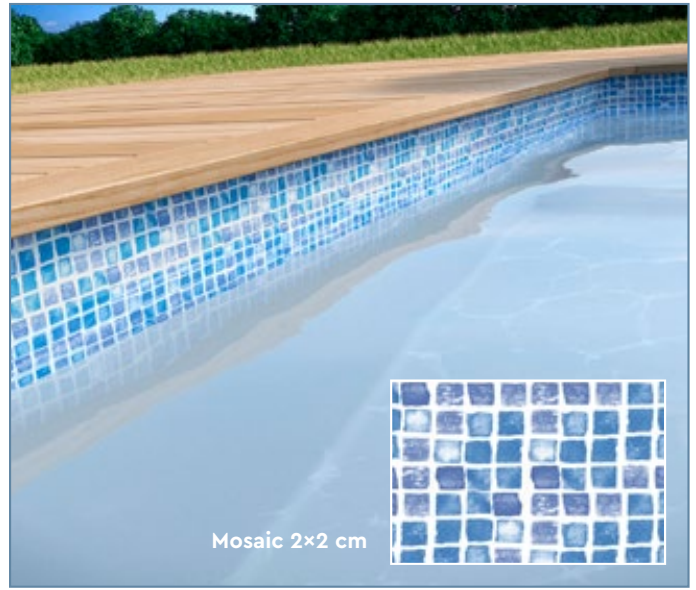
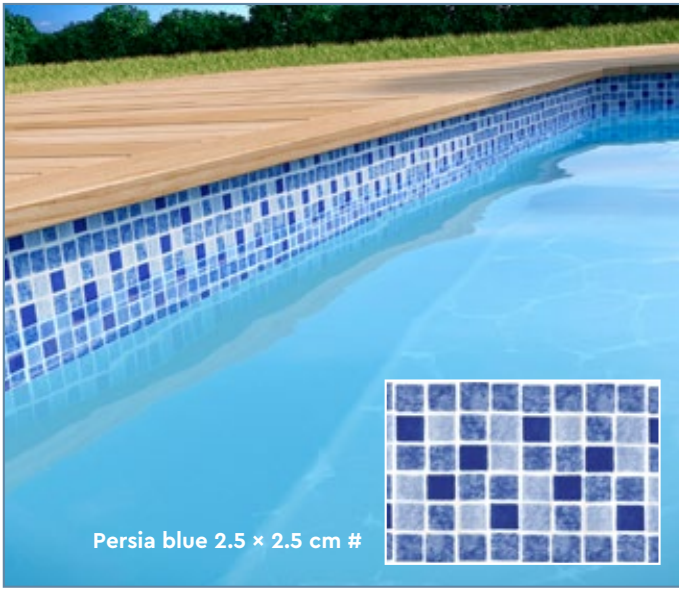
Description	Price
All pool shapes	
Supplement for a tile band or frieze on a 0.75mm Aqualiner finished with a Hung liner locking track	Price per meter
Special offer	
Supplement for a frieze on a 0.75 mm Aqualiner finished with a Hung liner locking track while stocks last #	Price per meter

BWT AQUALINER 0.75 MM - FRIEZES 

Family 6210



Available while stocks last



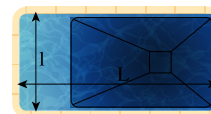
WATERPROOFING
MEMBRANES

Available while stocks last

SURFACE AREA CALCULATIONS

LINER WITH DIVING PIT

Wedge base		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$L \times W \times 1.30 = S1$	$(L + W) \times 2 \times H = S2$	$S1 + S2 = S$



SLOPED BASE		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$L \times W = S1$	$(L + W) \times 2 \times \frac{(H + D)}{2} = S2$	$S1 + S2 = S$

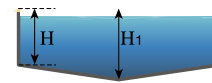
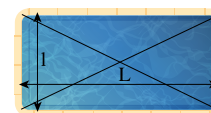


Note: 1.30 is an empirical coefficient needed to calculate the total net surface area of the pool base.

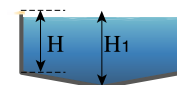
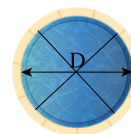
LINER WITH CURVED BASE

NOTE: If the difference between the measurements H1 and H is less than 40 cm, the coefficient 1.3 may be left out of the pool base surface area calculation.

Curved base		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$L \times W \times 1.30 = S1$	$(L + W) \times 2 \times H = S2$	$S1 + S2 = S$



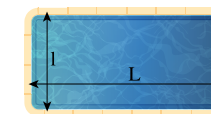
ROUND WITH CONICAL WEDGE		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$D \times D \times 1.30 = S1$	$3.14 \times D \times H = S2$	$S1 + S2 = S$



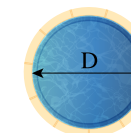
Note: 1.30 is an empirical coefficient needed to calculate the total net surface area of the pool base.

LINER WITH STANDARD SHAPED BASE

Standard shaped base		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$L \times W = S1$	$(L + W) \times 2 \times H = S2$	$S1 + S2 = S$



Round, flat bottom		
POOL BASE SURFACE AREA	POOL WALL SURFACE AREA	TOTAL SURFACE AREA
$D \times D = S1$	$3.14 \times D \times H = S2$	$S1 + S2 = S$



LINER WITH STEP OR COVER PIT

If your pool features steps or a cover pit, proceed as follows:

- Calculate the surface area and the price of the liner as indicated on pages 146 and 147.
- Add the price of the steps or the cover pit, provided on pages 148 to 152 to the price of the liner.

+ Use Aquasoft to calculate your liner and place your orders.

Calculate the price of your non-standard membrane yourself



SURFACE AREA AND PRICE CALCULATION

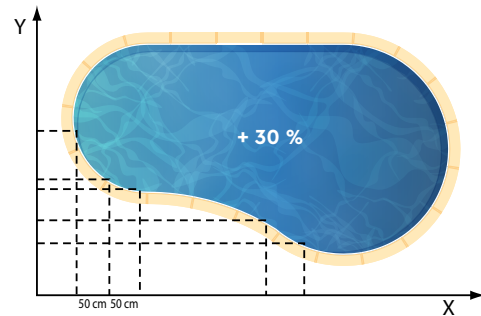
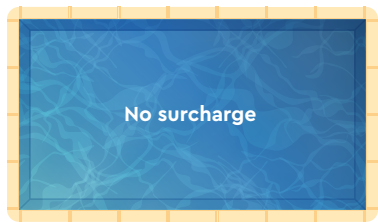
Liners are invoiced according to a price per m² (see opposite) applied to an invoiceable surface area. The invoiceable surface area is calculated by multiplying the total surface area by a complexity coefficient.

The various pool shapes are defined below, bear in mind that stairs, cover pits and extensions are not taken into account when assessing the pool shape.



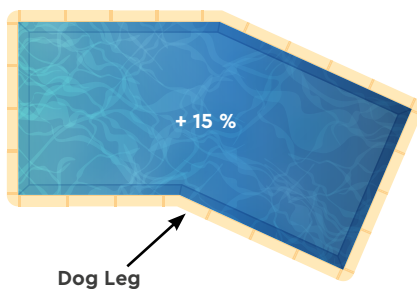
Preview designs, generate quotes, place orders with the AquaSoft liner application

Simple shape	Free form with a triangulation diagram
A simple shape is a symmetrical, geometric shape that does not include angles or re-entrant sides. Rectangular, square, polygon, round and oval shapes are all considered to be simple shapes.	A surcharge of 30% is applied to the total net surface area of free-form pools if the pool's triangulation diagram is provided.



<p>Price of a simple liner shape = TNSA • x price per m²</p> <ul style="list-style-type: none"> • TNSA = Total Net Surface Area 	<p>Price, free form liner with triangulation diagram = (TNSA • x 1.30) x price per m²</p> <ul style="list-style-type: none"> • TNSA = Total Net Surface Area
---	--

COMPLEX SHAPE	FREE-FORM WITH TEMPLATE
A complex shape is a geometrical shape that may include angles or re-entrant sides but that may be drawn with a ruler or compass without any need for triangulation (point coordinates). A surcharge of 15% is applied to complex shapes.	If a template is provided for a free-form pool, a surcharge of 30% plus a fixed sum of € 626.00 (discount to be deducted) before tax is applied. This surcharge corresponds to the cost of dimensioning the template and drawing up the triangulation diagram.



<p>Liner price for complex shapes = (TNSA • x 1.15) x price per m²</p> <ul style="list-style-type: none"> • TNSA = Total Net Surface Area 	<p>Price of a free form liner with template = (TNSA • x 1.30) x price per m² + € 626.00</p> <ul style="list-style-type: none"> • TNSA = Total Net Surface Area
---	--

LINER LESS THAN 60 M²

If the surface area is less than 60 m², a surcharge of 10% is applied to the total net surface area for Aqualiner 0.75 mm and Superliner V2F 0.85 mm.

Price of a liner < 60 m² : (TNSA • x 1.10) x price per m²

- TNSA = Total Net Surface Area

LINERS FOR STEPS

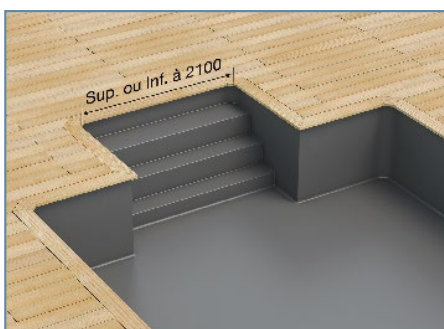
To ensure that the liner adheres correctly to the steps, the step risers, particularly those of the first three steps, should be higher than 15 cm. For similar reasons, we recommend no more than 6 risers for stairs 1.50 m high and no more than 5 risers for stairs 1.06 m high. Installation of a return fitting in the first riser is recommended to block the liner in position. The first step riser must be at least 275 mm high to ensure that the liner will be flattened against the pool wall by the weight of the water.



The 0.85mm non-slip membranes meet the stipulations required for class C certification as per the European standard EN 15288-1 concerning pool safety. Tests performed by the SFV laboratory, according to the protocol DIN 51 097.

BWT STRAIGHT STEPS

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
	less than 2.10 m	greater than 2.10 m
Superliner V2F 0.85 mm		
Straight step - Plain*		
Supplement for patterned tile band on steps		
Straight step - Patterned		
Aqualiner 0.75 mm		
Straight step - Plain*		
Supplement for patterned tile band on steps		
Straight step - Patterned		
With non-slip treads and risers		
Straight step - Plain*		
Supplement for patterned tile band on steps		

BWT STRAIGHT STEP ACROSS THE WIDTH

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
	less than 4.10 m	greater than 4.10 m
Superliner V2F 0.85 mm		
Straight step across the width - Plain*		
Supplement for patterned tile band on steps		
Straight step across the width - Patterned		
Aqualiner 0.75 mm		
Straight step across the width - Plain*		
Supplement for patterned tile band on steps		
Straight step across the width - Patterned		
With non-slip treads and risers		
Straight step across the width - Plain*		
Supplement for patterned tile band on steps		

BWT ROMAN STEPS

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
	less than 3.10 m	greater than 3.10 m
Superliner V2F 0.85 mm		
Roman steps - Plain*		
Supplement for patterned tile band on steps		
Roman steps - Patterned		
Aqualiner 0.75 mm		
Roman steps - Plain*		
Supplement for patterned tile band on steps		
Roman steps - Patterned		
With non-slip treads and risers		
Roman steps - Plain*		
Supplement for patterned tile band on steps		



Non standard steps, of the same type as one of the 3 featured on this page will be invoiced according to the prices indicated above. The number of treads has no impact on the price of the step piece

BWT INTERIOR CORNER STEPS

Families 6210 & 6310

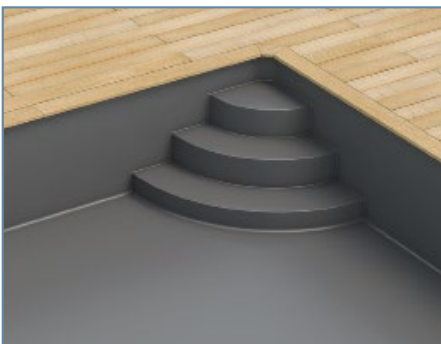


* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
Interior corner steps – Plain*	
Supplement for patterned tile band on steps	
Interior corner steps – Patterned	
Aqualiner 0.75 mm	
Interior corner steps – Plain	
Supplement for patterned tile band on steps	
Interior corner steps – Patterned	
With non-slip treads and risers	
Interior corner steps – Plain*	
Supplement for patterned tile band on steps	

BWT CORNER STEPS, 1/4 CIRCLE

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
Corner step 1/4 circle – Plain	
Supplement for patterned tile band on steps	
Corner step 1/4 circle – Patterned	
Aqualiner 0.75 mm	
Corner step 1/4 circle – Plain	
Supplement for patterned tile band on steps	
Corner step 1/4 circle – Patterned	
With non-slip treads and risers	
Corner step 1/4 circle – Plain*	
Supplement for patterned tile band on steps	

BWT IN-POOL ROMAN STEPS

Families 6210 & 6310

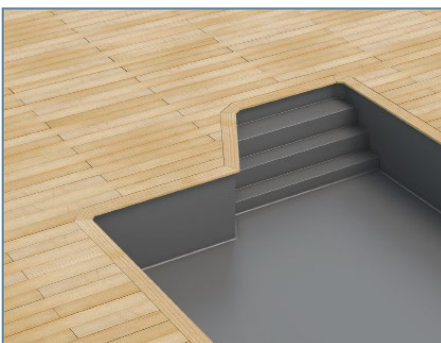


* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
In-pool roman steps – Plain*	
Supplement for patterned tile band on steps	
In-pool roman steps – Patterned	
Aqualiner 0.75 mm	
In-pool roman steps – Plain*	
Supplement for patterned tile band on steps	
In-pool roman steps – Patterned	
With non-slip treads and risers	
In-pool roma steps – Plain*	
Supplement for patterned tile band on steps	

BWT STRAIGHT ASYMMETRIC STEPS

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
Straight asymmetric steps – Plain	
Supplement for patterned tile band on steps	
Straight asymmetric steps – Patterned	
Aqualiner 0.75 mm	
Straight asymmetric steps – Plain	
Supplement for patterned tile band on steps	
Straight asymmetric steps – Patterned	
With non-slip treads and risers	
Straight asymmetric steps – Plain*	
Supplement for patterned tile band on steps	

LINERS FOR STEPS

To ensure that the liner adheres correctly to the steps, the step risers, particularly those of the first three steps, should be higher than 15 cm. For similar reasons, we recommend no more than 6 risers for stairs 1.50 m high and no more than 5 risers for stairs 1.06 m high. Installation of a return fitting in the first riser is recommended to block the liner in position. The first step riser must be at least 275 mm high to ensure that the liner will be flattened against the pool wall by the weight of the water.

BWT TRAPEZOIDAL STEPS

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
Trapezoidal steps - Plain	
Supplement for patterned tile band on steps	
Trapezoidal steps - Patterned	
Aqualiner 0.75 mm	
Trapezoidal steps - Plain	
Supplement for patterned tile band on steps	
Trapezoidal steps - Patterned	
With non-slip treads and risers	
Trapezoidal steps - Plain*	
Supplement for patterned tile band on steps	

BWT IN-POOL STRAIGHT STEPS

Families 6210 & 6310



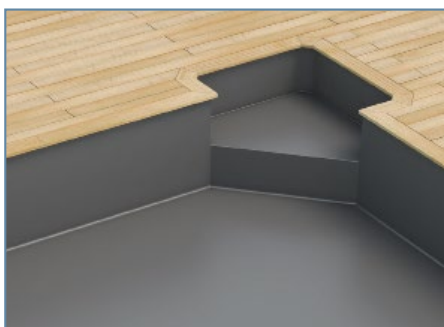
* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price
Superliner V2F 0.85 mm	
In-pool straight steps - Plain	
Supplement for patterned tile band on steps	
In-pool straight steps - Patterned	
Aqualiner 0.75 mm	
In-pool straight steps - Plain	
Supplement for patterned tile band on steps	
In-pool straight steps - Patterned	
With non-slip treads and risers	
In-pool straight steps - Plain*	
Supplement for patterned tile band on steps	

+ CAUTION: With this type of step the liner can easily shift out of alignment during installation. Therefore weights (sand bags) should be placed on the treads to hold the liner in position until the pool is completely filled with water.

BWT BENCH / POOL DECK / PADDLING POOL

Families 6210 & 6310



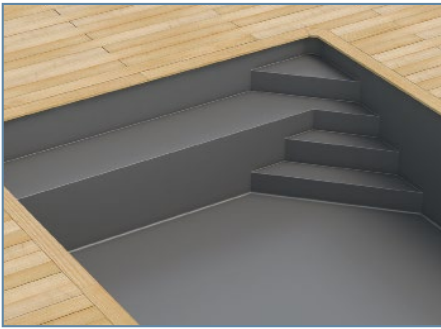
* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
	less than 4.10 m	greater than 4.10 m
Superliner V2F 0.85 mm		
Bench/ pool deck/ paddling pool - Plain		
Supplement for patterned tile band on steps		
Bench/ pool deck/ paddling pool - Patterned		
Aqualiner 0.75 mm		
Bench/ pool deck/ paddling pool - Plain		
Supplement for patterned tile band on steps		
Bench/ pool deck/ paddling pool - Patterned		
With non-slip treads and risers		
Bench/ pool deck/ paddling pool - Plain*		
Supplement for patterned tile band on steps		

+ Non standard steps, of the same type as one of the 3 featured on this page will be invoiced according to the prices indicated above. The number of treads has no impact on the price of the step piece

BWT BENCH/ POOL DECK + CORNER STEP

Families 6210 & 6310

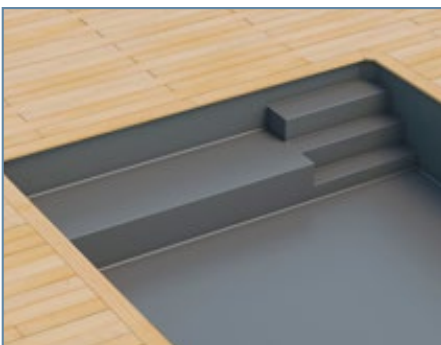


* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
Superliner V2F 0.85 mm	less than 4.10 m	greater than 4.10 m
Bench/ pool deck/ corner step - Plain*		
Supplement for patterned tile band on steps		
Bench/pool deck/ corner step - Patterned		
Aqualiner 0.75 mm		
Bench/ pool deck/ corner step - Plain*		
Supplement for patterned tile band on steps		
Bench/pool deck/ corner step - Patterned		
With non-slip treads and risers		
Bench/ pool deck/ corner step - Plain*		
Supplement for patterned tile band on steps		

BWT BENCH/ POOL DECK + STRAIGHT STEP

Families 6210 & 6310



* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
Superliner V2F 0.85 mm	less than 4.10 m	greater than 4.10 m
Bench/ pool deck/ straight step - Plain*		
Supplement for patterned tile band on steps		
Bench/ patterned deck/straight step - Patterned		
Aqualiner 0.75 mm		
Bench/ pool deck/ straight step - Plain*		
Supplement for patterned tile band on steps		
Bench/ patterned deck/straight step - Patterned		
with non-slip treads and risers		
Bench/ pool deck/ straight step - Plain*		
Supplement for patterned tile band on steps		

BWT BENCH/ POOL DECK + EMERGENT STRAIGHT STEP

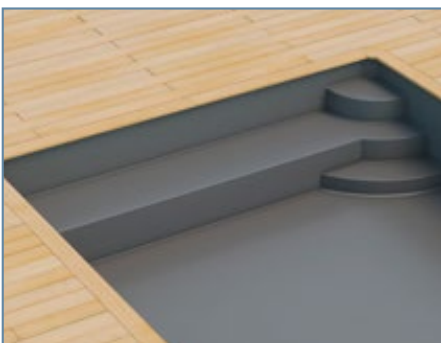


* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
Superliner V2F 0.85 mm	less than 4.10 m	greater than 4.10 m
Bench/ pool deck/ em. straight step- Plain*		
Supplement for patterned tile band on steps		
Bench/ pool deck. em. straight step - Patterned*		
Aqualiner 0.75 mm		
Bench/ pool deck/ em. straight step- Plain*		
Supplement for patterned tile band on steps		
Bench/ pool deck. em. straight step - Patterned*		
with non-slip treads and risers		
Bench/ pool deck/ em. straight step- Plain*		
Supplement for patterned tile band on steps		

BWT BENCH/ POOL DECK + ASSORTED STEP

Families 6210 & 6310

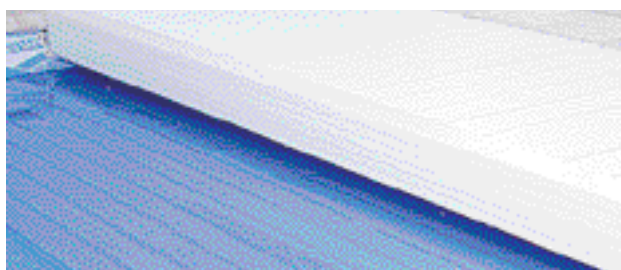
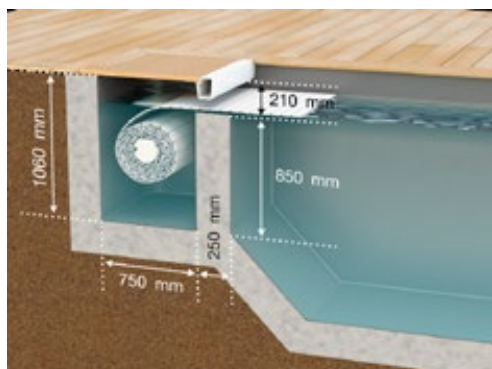


* Available in 6 colours: dark blue, light blue, white, beige, grey and anthracite grey.

Liner type	Price	
Superliner V2F 0.85 mm	less than 4.10 m	greater than 4.10 m
Bench/ pool deck/ assorted step - Plain*		
Supplement for patterned tile band on steps		
Bench/ pool deck/ assorted step - Patterned*		
Aqualiner 0.75 mm		
Bench/ pool deck/ assorted step - Plain*		
Supplement for patterned tile band on steps		
Bench/ pool deck/ assorted step - Patterned*		
with non-slip treads and risers		
Bench/ pool deck/ assorted step - Plain*		
Supplement for patterned tile band on steps		

BWT LINERS FOR COVER PITS

Families 6210 & 6310



If a BWT beam is used

To ensure compliance with the French standard NF P 90-308, the distance between the top of the pool wall and the top of the pit wall must be 210 mm.

If a beam other than a BWT beam is used

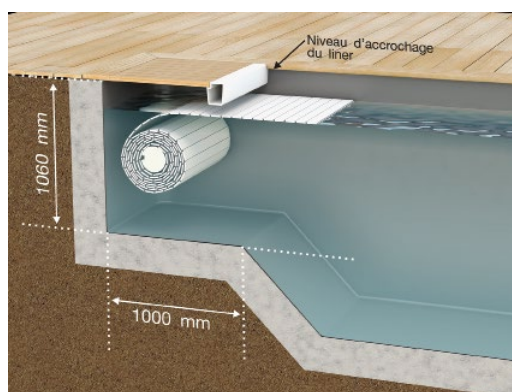
Make sure that the distance between the bottom of the beam and the top of the pit wall is not greater than 150 mm.

Pool width	Width less than 4.10 m	Width greater than 4.10 m
Liner type	Price	Price
Superliner V2F 0.85 mm		
Automatic cover pit – Plain		
Supplement, patterned tile band on cover pit		
Automatic cover pit – Patterned		
Aqualiner 0.75 mm		
Automatic cover pit – Plain		
Supplement, patterned tile band on cover pit		
Automatic cover pit – Patterned		

+ The corner formed by the pool walls and pool base within the cover pit are sharp 90° corners.

BWT AUTOMATIC COVER EXTENSION

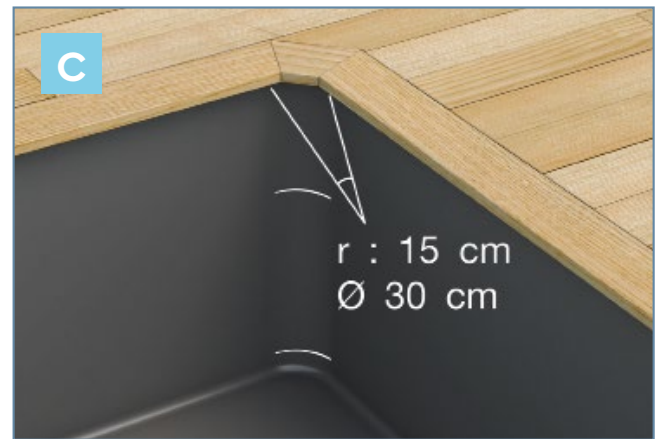
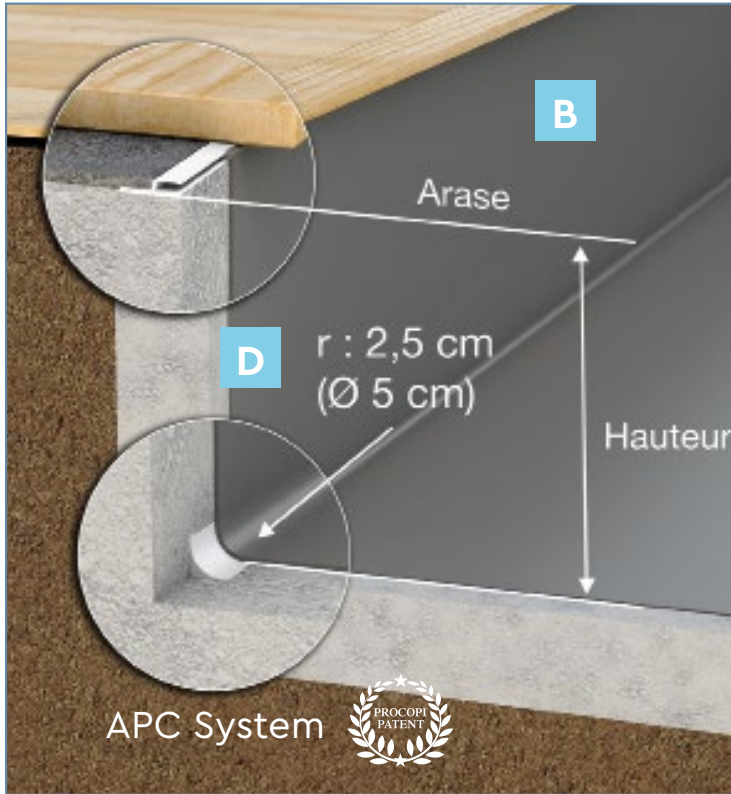
Families 6210 & 6310



Pool width	Width less than 4.10 m	Width greater than 4.10 m
Liner type	Price	Price
Superliner V2F 0.85 mm		
Automatic cover extension – Plain		
Supplement, patterned tile band on extension		
Automatic cover extension – Patterned		
Aqualiner 0.75 mm		
Automatic cover extension – Plain		
Supplement, patterned tile band on extension		
Automatic cover extension – Patterned		

The prices below are provided for information purposes only. They were calculated based on the price for SIMPLE SHAPES indicated on page 147 and the calculation formula provided on page 146. Any variation of pool measurements will entail a proportional variation of the liner price. The liner beading is Hung Cristal, as described on page 134.

- IMPORTANT:**
- A Dimensions indicated on standard liner diagrams correspond to the interior pool dimensions in meters
 - B The heights are calculated from the top of the pool wall
 - C The 4 vertical corners have a diameter of 30 cm, constant over the entire height
 - D The horizontal corners are rounded with a diameter of 5 cm



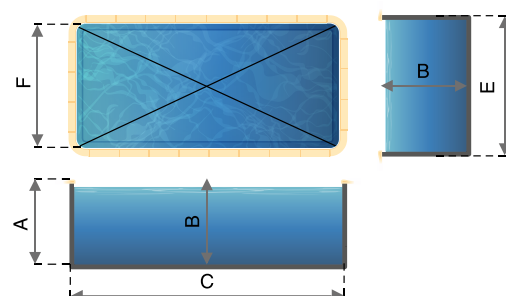
WATERPROOFING MEMBRANES

BWT FLAT BOTTOM, 1.50 M

Families 6210 & 6310

Description	Perimeter in m ²	Perimeter in m	Plain Price	Plain with tile band Price	Patterned Price
Superliner V2F 0.85 mm					
Superliner flat bottom pool, 1.50 m, 8 × 4 m	68	24			
Superliner flat bottom pool, 1.50 m, 9 × 4 m	75	26			
Superliner flat bottom pool, 1.50 m, 10 × 5 m	95	30			
Superliner flat bottom pool, 1.50 m, 11 × 5 m	103	32			
Superliner flat bottom pool, 1.50 m, 12 × 6 m	126	36			
Aqualiner 0.75 mm					
Aqualiner flat bottom pool, 1.50 m, 8 × 4 m	68	24			
Aqualiner flat bottom pool, 1.50 m, 9 × 4 m	75	26			
Aqualiner flat bottom pool, 1.50 m, 10 × 5 m	95	30			
Aqualiner flat bottom pool, 1.50 m, 11 × 5 m	103	32			
Aqualiner flat bottom pool, 1.50 m, 12 × 6 m	126	36			

Models	A	B	C	E	F
7 X 3	1.50	1.50	7.00	3.00	3.00
8 X 4	1.50	1.50	8.00	4.00	4.00
9 X 4	1.50	1.50	9.00	4.00	4.00
10 X 5	1.50	1.50	10.00	5.00	5.00
11 X 5	1.50	1.50	11.00	5.00	5.00
12 X 6	1.50	1.50	12.00	6.00	6.00



STANDARD LINERS

The prices below are provided for information purposes only. They were calculated based on the price for SIMPLE SHAPES indicated on page 147 and the calculation formula provided on page 146. Any variation of pool measurements will entail a proportional variation of the liner price. The liner beading is Hung Cristal, as described on page 134.

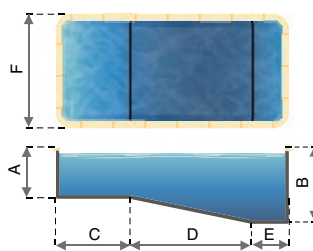
- IMPORTANT:**
- A Dimensions indicated on standard liner diagrams correspond to the interior pool dimensions in meters
 - B The heights are calculated from the top of the pool wall
 - C The 4 vertical corners have a diameter of 30 cm, constant over the entire height
 - D The horizontal corners are rounded with a diameter of 5 cm

BWT BELLOW SLOPED BASE

Families 6210 & 6310

Description	Surface area, m ²	Perimeter in m	Plain Price	Plain with tile band Price	Patterned Price
Superliner V2F 0.85 mm					
Superliner Bellow sloped base, 8 × 4 m	70	24			
Superliner Bellow sloped base, 9 × 4 m	77	26			
Superliner Bellow sloped base, 10 × 5 m	97	30			
Superliner Bellow sloped base, 11 × 5 m	106	32			
Superliner Bellow sloped base, 12 × 6 m	129	36			
Aqualiner 0.75 mm					
Aqualiner Bellow sloped base, 8 × 4 m	70	24			
Aqualiner Bellow sloped base, 9 × 4 m	77	26			
Aqualiner Bellow sloped base, 10 × 5 m	97	30			
Aqualiner Bellow sloped base, 11 × 5 m	106	32			
Aqualiner Bellow sloped base, 12 × 6 m	129	36			

Models	A	B	C	D	E	F
7 X 3	1.06	2.10	1.50	4.90	0.60	3.00
8 X 4	1.06	2.10	2.50	4.90	0.60	4.00
9 X 4	1.06	2.10	2.50	5.90	0.60	4.00
10 X 5	1.06	2.10	2.50	6.90	0.60	5.00
11 X 5	1.06	2.10	2.50	7.90	0.60	5.00
12 X 6	1.06	2.10	2.50	8.90	0.60	6.00

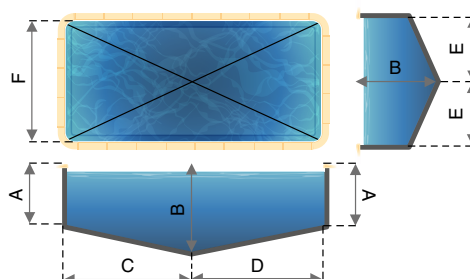


BWT CURVED BASE 1.20 / 1.60 M

Families 6210 & 6310

Description	Perimeter in m ²	Perimeter in m	Plain Price	Plain with tile band Price	Patterned Price
Superliner V2F 0.85 mm					
Superliner, curved base, 8 × 4 m	61	24			
Superliner, curved base, 9 × 4 m	67	26			
Superliner, curved base, 10 × 5 m	86	30			
Superliner, curved base, 11 × 5 m	93	32			
Superliner, curved base, 12 × 6 m	115	36			
Aqualiner 0.75 mm					
Aqualiner, curved base, 8 × 4 m	61	24			
Aqualiner, curved base, 9 × 4 m	67	26			
Aqualiner, curved base, 10 × 5 m	86	30			
Aqualiner, curved base, 11 × 5 m	93	32			
Aqualiner, curved base, 12 × 6 m	115	36			

Models	A	B	C	D	E	F
7 X 3	1.06	2.10	1.50	4.90	0.60	3.00
8 X 4	1.06	2.10	2.50	4.90	0.60	4.00
9 X 4	1.06	2.10	2.50	5.90	0.60	4.00
10 X 5	1.06	2.10	2.50	6.90	0.60	5.00
11 X 5	1.06	2.10	2.50	7.90	0.60	5.00
12 X 6	1.06	2.10	2.50	8.90	0.60	6.00



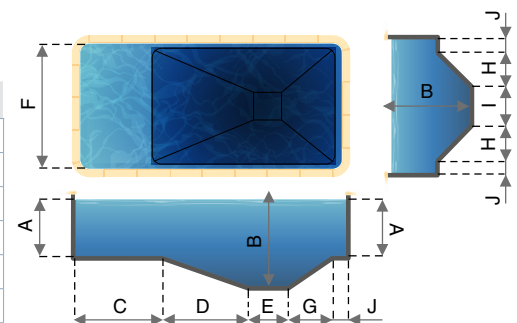
BWT BELLOW AND DEP WEDGE BASES, WITH OR WITHOUT SAFETY LEDGE

Families 6210 & 6310

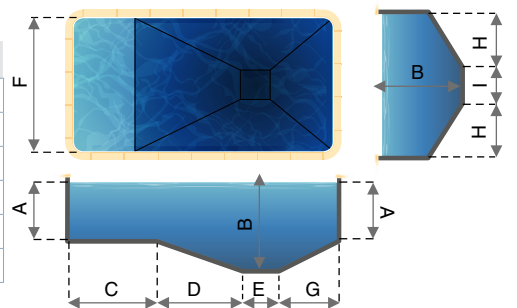
Description	Surface area m ²	Perimeter in m	Plain Price	Plain with tile band Price	Patterned Price
Superliner V2F 0.85 mmhook					
Superliner DEP/Bellow wedge base, 8 × 4 m	67	24			
Superliner DEP/Bellow wedge base, 9 × 4 m	74	26			
Superliner DEP/Bellow wedge base, 10 × 5 m	97	30			
Superliner DEP/Bellow wedge base, 11 × 5 m	105	32			
Superliner DEP/Bellow wedge base, 12 × 6 m	132	36			
Aqualiner 0.75 mm					
Aqualiner DEP/Bellow wedge base, 8 × 4 m	67	24			
Aqualiner DEP/Bellow wedge base, 9 × 4 m	74	26			
Aqualiner DEP/Bellow wedge base, 10 × 5 m	97	30			
Aqualiner DEP/Bellow wedge base, 11 × 5 m	105	32			
Aqualiner DEP/Bellow wedge base, 12 × 6 m	132	36			

+ The 4 pool shapes are priced identically.

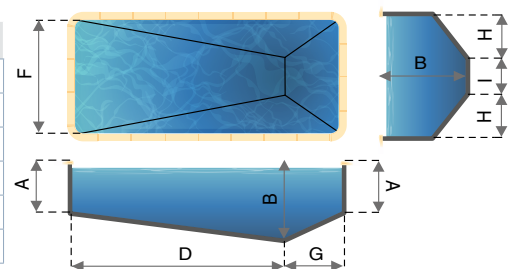
Models	A	B	C	D	E	F	G	H	I	J
7 X 3	1.06	2.02	1.00	3.00	1.75	3.00	1.05	1.05	0.50	0.20
8 X 4	1.06	2.02	2.00	3.00	1.75	4.00	1.05	1.05	1.50	0.20
9 X 4	1.06	2.02	2.00	4.00	1.75	4.00	1.05	1.05	1.50	0.20
10 X 5	1.06	2.21	2.50	3.90	2.20	5.00	1.20	1.20	2.20	0.20
11 X 5	1.06	2.21	2.50	4.90	2.20	5.00	1.20	1.20	2.20	0.20
12 X 6	1.06	2.30	3.00	4.40	3.20	6.00	1.20	1.20	3.20	0.20



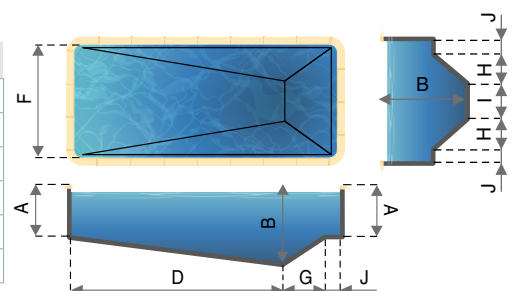
Models	A	B	C	D	E	F	G	H	I
7 X 3	1.06	2.10	1.00	3.00	1.75	3.00	1.25	1.25	0.50
8 X 4	1.06	2.10	2.00	3.00	1.75	4.00	1.25	1.25	1.50
9 X 4	1.06	2.10	2.00	4.00	1.75	4.00	1.25	1.25	1.50
10 X 5	1.06	2.30	2.50	3.90	2.20	5.00	1.40	1.40	2.20
11 X 5	1.06	2.30	2.50	4.90	2.20	5.00	1.40	1.40	2.20
12 X 6	1.06	2.40	3.00	4.40	3.20	6.00	1.40	1.40	3.20



Models	A	B	D	F	G	H	I
7 X 3	1.06	2.10	6.00	3.00	1.00	1.00	1.00
8 X 4	1.06	2.10	7.00	4.00	1.00	1.00	2.00
9 X 4	1.06	2.10	7.70	4.00	1.30	1.30	1.40
10 X 5	1.06	2.30	8.40	5.00	1.60	1.60	1.80
11 X 5	1.06	2.30	9.40	5.00	1.60	1.60	1.80
12 X 6	1.06	2.40	10.30	6.00	1.70	1.70	2.60












Models	A	B	D	F	G	H	I	J
7 X 3	1.06	2.02	6.00	3.00	0.80	0.80	1.00	0.20
8 X 4	1.06	2.02	7.00	4.00	0.80	0.80	2.00	0.20
9 X 4	1.06	2.02	7.70	4.00	1.10	1.10	1.40	0.20
10 X 5	1.06	2.21	8.40	5.00	1.40	1.40	1.80	0.20
11 X 5	1.06	2.21	9.40	5.00	1.40	1.40	1.80	0.20
12 X 6	1.06	2.21	10.30	6.00	1.50	1.50	2.60	0.20



WATERPROOFING MEMBRANES

BWT LINER LOCKING TRACK

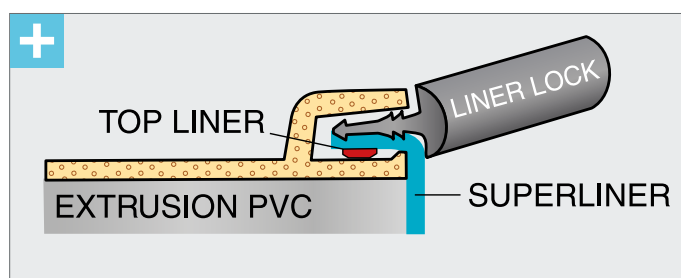
Family 6450

	Description	Code	Price	Code	Price
Hung liner track, width 50 mm		PVC		alu	
PVC	Hung liner track; straight, 50 mm, length 2 m	per m	1820100	1820400	
	Hung liner track; straight, 50 mm, length 2 m	100 m, per m	1820100	1820400	
Free-form Hung liner track		PVC		alu	
	Hung liner track, 50 mm, free form, length 2 m	per m	1820300	-	-
Corner piece, diameter 30 cm, width 50 mm		PVC		alu	
	Hung liner track, 50 mm (corner piece) for R15		1820200	1820500	
	Hung liner track, 50 mm (corner piece) for R15	box of 20	1820200	1820500	
Hung sub-coping liner track		PVC		alu	
	Hung liner track, sub-coping, length 2 m	per m	1820700	1822400	
	Hung liner track, sub-coping, length 2 m	100m, per m	1820700	1822400	
Free form Hung sub-coping liner track		PVC		alu	
	Hung vertical sub-coping liner track, free form, length 2 m	per m	-	-	1822600
Free form Hung sub-coping liner track, corner piece		PVC		alu	
	Hung vertical sub-coping liner track, free form, corner piece		-	-	1822500
Hung liner track with front hook, width 90 mm		PVC		alu	
	Hung liner track, 90 mm, with front hook, length 2 m	per m	1820150	1820450	
Hung liner track with rear hook, sealed in concrete, 100 mm		PVC		alu	
	Hung liner track with rear hook, width 100 mm, length 2 m	per ml	3350200	3350500	
Hung liner track with rear hook, free-form, sealed in concrete, 100 mm		PVC		alu	
	Hung liner track, free form, with rear hook, length 2 m	per ml	3350800	3350900	
Corner piece, diameter 30 cm, width 100 mm with rear hook		PVC		alu	
	Corner piece for straight Hung liner track, width 100 mm with rear hook		-	-	30309000
Corner piece, 10 cm cut away, width 100 mm with rear hook		PVC		alu	
	Corner piece, 10 cm cut away, width 100 mm, with rear hook		3350400	3350700	



Hung liner track aluminium sub-coping

- Thickness 2 mm for greater rigidity
- Guide groove to facilitate centering and drilling
- The upper tab holds linerlock retaining strip in position
- Small footprint, 14.8 mm



HUNG LINER LOCKING TRACK

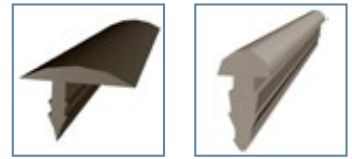
Family 6450

Linerlock Hung, 17 mm:

This retaining strip features a section that can be positioned to cover either the coping joint or the membrane weld.

Linerlock Hung, 6 mm:

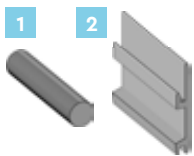
This strip is mainly used to retain the membrane in the Hung liner track. It is also compatible with the Ceramica System.



	Description		Code	Price	Code	Price
			17 mm		6 mm	
White	Linerlock Hung	per 50 m	1820920		1820950	
Light blue	Linerlock Hung	per 50 m	1820921		1820951	
Grey blue	Linerlock Hung	per 50 m	1820930		1820960	
Dark blue	Linerlock Hung	per 50 m	1820922		1820952	
Marine blue	Linerlock Hung	per 50 m	1820933		1820963	
Mint	Linerlock Hung	per 50 m	1820931		1820961	
Clay	Linerlock Hung	per 50 m	1820935		1820965	
Beige	Linerlock Hung	per 50 m	1820925		1820955	
Taupe	Linerlock Hung	per 50 m	1820932		1820962	
Grey	Linerlock Hung	per 50 m	1820928		1820958	
Anthracite grey	Linerlock Hung	per 50 m	1820926		1820956	
Black	Linerlock Hung	per 50 m	1820929		1820959	

ACCESSORIES FOR OVERLAP BEADING

Family 6450



		Flexible liner locking trim for overlap beading		
	Code	Description		Price
1	1820900	Locking trim, 10mm, for Overlap beading	per m	
2	1820910	Finishing trim for Overlap beading	per m	

General information

Guarantee:

Superliner V2F and Aqualiner liners are delivered with detailed guarantee conditions and operating instructions specific to each product. The guarantees are also indicated by means of pictograms on the previous pages. The guarantee conditions and usage instructions for Superliner V2F 0.85 mm liners and Aqualiner are also available on our Internet site.

Delivery :

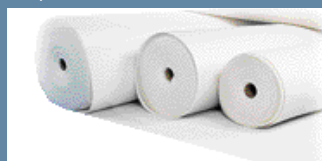
- All the Superliner V2F 0.85 mm and Aqualiner 0.75 mm liners are delivered:
 - In a protective carrying sack, that protects the liner during transport and handling,
 - With a sachet of 16 wooden half pegs, to facilitate fitting of the liner.



Felt underlay:

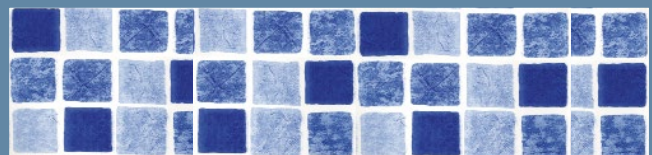
In the event that the pool is fitted with underlay, the French standard AFNOR NFT 54 802 stipulates that:

- The underlay (Biotex) must be impregnated with a biocide (paragraph 8.4.2).
- The glue used (Biocol) to lay the underlay must be a vinyl glue treated with a biocide (paragraph 8.4.1).
- Fixing of the underlay with coloured adhesive tape is strictly prohibited.



Pattern continuity:

In the case of patterned liners, or liners with a tile band, featuring a repeating pattern, the French standard AFNOR NFT 54 802 states that it is impossible to guarantee the continuity of the pattern (paragraph 5.1.). See the examples below.



Dark colours (notably black) are more susceptible to high concentrations of oxidising agents.

BIOTEX, BICOL AND THE APC SYSTEM

Family 6450

BIOTEX : Experience has shown that the polyester or PET underlays widely used up till now could suffer serious degradation in the highly alkaline environments likely to be created when these types of underlay are applied to concrete, which is well known for its natural alkalinity. For this reason, Biotex is now made of polypropylene and not polyester (PET).

We strongly recommend that you use a Bosch electric scissors to cut the Biotex underlay.

Biotex fibres are impregnated with bactericide. This anti-bacterial treatment prevents the growth of micro-organisms (fungii, bacteria, etc.).

APC system: This patented system fits into the corners of the pool underneath the liner to fill these recesses and thus prevent the growth and proliferation of micro-organisms that thrive in such niches. The APC profiles, made of compressible fibres, are treated with a biocide.

Biocol: Special Biotex glue that contains a bactericide. (30% dry extract without chalk or starch).



GLUE COMPARISON TABLE			
for floor underlay	for protective polyester sheeting/ polystyrene	for wall underlay	for wall underlay
anti bacterial glue	x	anti bacterial glue	x
x	strong adhesion to vertical surfaces	Strong adherence to vertical surfaces	Strong adherence to vertical surfaces
x	x	compatible with concrete	compatible with concrete
x	x	compatible with polystyrene	compatible with polystyrene
x	x	x	compatible with plastic

Code	Description	Price
Biotex Anti-bacterial underlay		
1	1821100 Biotex antibacterial underlay, width 2.05 m, roll of 42 m ²	per m ²
	1821100 Biotex antibacterial underlay, width 2.05 m, roll of 42 m²	8 rolls, per m²
	1821100 Biotex antibacterial underlay, width 2.05 m, roll of 42 m²	16 rolls, per m²
	1821200 Biotex antibacterial underlay, width 2.05 m, roll of 63 m ²	per m ²
	1821200 Biotex antibacterial underlay, width 2.05 m, roll of 63 m²	9 rolls, per m²
	1821300 Biotex antibacterial underlay, width 2.05 m, roll of 105 m ²	per m ²
	1821300 Biotex antibacterial underlay, width 2.05 m, roll of 105 m²	9 rolls, per m²
2 APC system		
	1821400 APC System corner protection	Set of 18 2 m lengths, per m
Anti-bacterial, underlay glue		
3	1822100 Metallic pot of Biocol glue, 5 kg	per unit
	1822100 Metallic pot of Biocol glue, 5 kg	Box of 2, per unit
	1822100 Metallic pot of Biocol glue, 5 kg	6 boxes of 2, per unit
Glue for polyester sheeting		
4	3360900 Pot of glue, 0.75 litres, for polyester sheeting #	
Glue for felt underlay		
5	3360910 Pot of glue, 20 kg, for felt underlay	
GLUE spray for felt underlay (compatibility with liners and membranes guaranteed)		
6	1822150 Glue spray, 500 ml aerosol, for felt underlay	
	1822150 Glue spray, 500 ml aerosol, for felt underlay	Box of 12, per unit

RESURFACING FELT

Family 6450

The resurfacing felt is made of non-woven 550 g/m² polyester, impregnated with a fungicide. It is intended for the lining of bare walls, or plastered walls that need resurfacing as well as prefabricated structures with visible marks where the various elements are joined together.

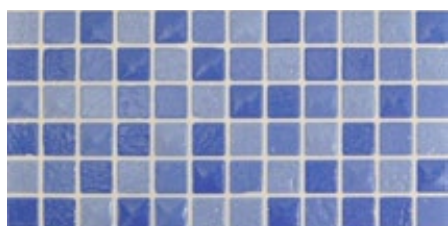


Code	Description	Price
1821370	Anti-bacterial resurfacing felt, height 1.00m, 40m roll	
1821380	Anti-bacterial resurfacing felt, height 1.50m, 40m roll	
1821390	Anti-bacterial resurfacing felt, height 2.00m, 40m roll	

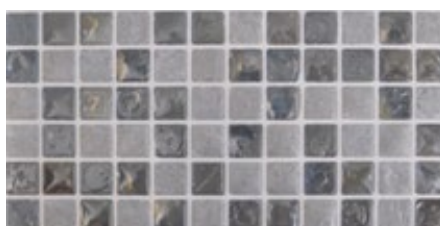
TILES AND CERAMIC TILE BANDS

Family 6450

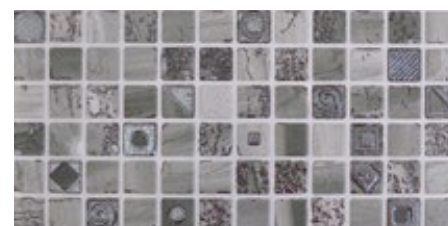
Ceramic tiles 30 × 15



Eione



Baya



Nomia

+ Ideal for renovating liners that are worn along the water line.
Installation recommendations: position the tile so that it overlaps the join of two finishing strips.



WATERPROOFING MEMBRANES

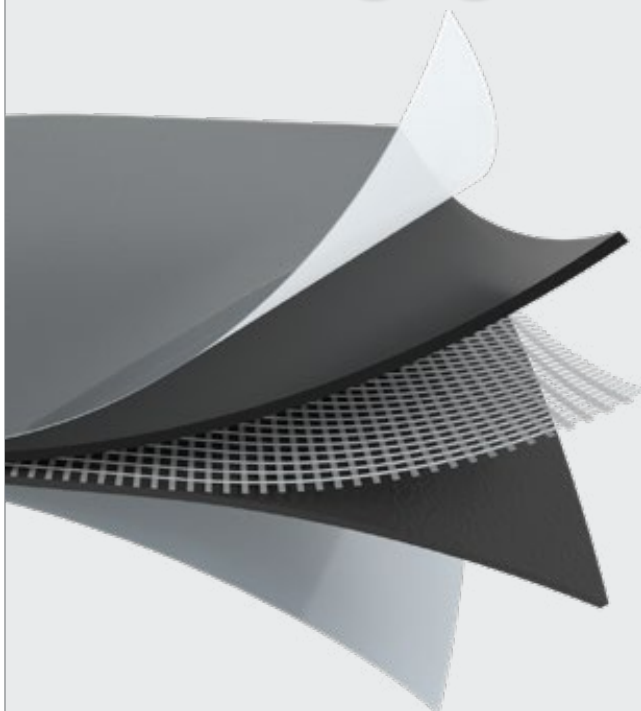
Code	Description	Price
Ceramic tiles 15 × 15		
1820830	Ceramic tiles 15×30 cm Eione	per unit
1820830	Ceramic tiles 15×30 cm Eione	per 32 tiles, per unit
1820831	Ceramic tiles 15×30 cm Baya	per unit
1820831	Ceramic tiles 15×30 cm Baya	per 32 tiles, per unit
1820832	Ceramic tiles 15×30 cm Nomia	per unit
1820832	Ceramic tiles 15×30 cm Nomia	per 32 tiles, per unit
Strips		
1	1820810 White PVC double rail PRC strip for pools under construction, length 2 m	2 m strip
	1820810 White PVC double rail PRC strip for pools under construction, length 2 m	set of 10
2	1820814 White PVC slide rail for pools under construction, length 2 m	2 m strip
	1820814 White PVC slide rail for pools under construction, length 2 m	set of 10
3	1820815 White PVC slide rail for existing pools, length 2 m	2 m strip
	1820815 White PVC slide rail for existing pools, length 2 m	set of 10

BWT REINFORCED MEMBRANE VARNISHED ON 2 SURFACES

Surface V2F

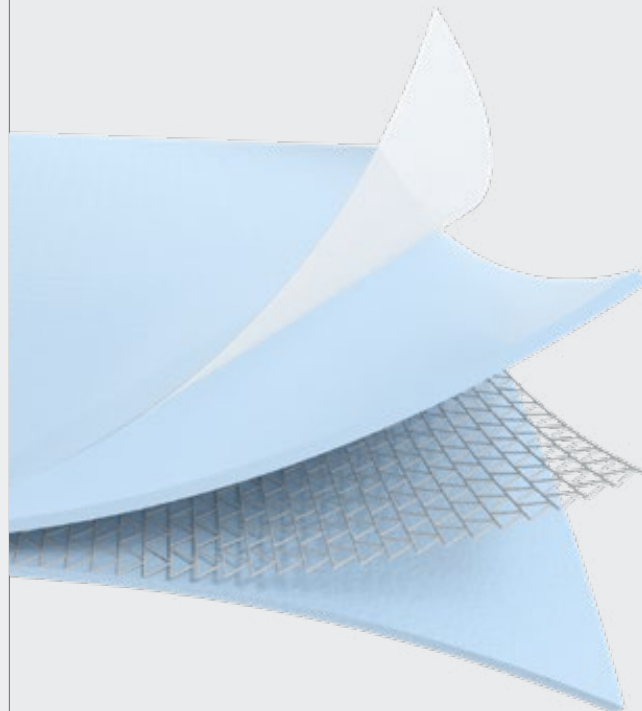


The best guarantees on the market



BWT REINFORCED MEMBRANE VARNISHED ON 1 SURFACE

Initiale V1F



The waterproofing world dedicated services:

25.20 × 1.65 rolls are invoiced on a basis of 41 m² (-1.4 %)

Storage and pick-up of your order in a Procopi agency.

Layout studies by our design office.

Cut-out of non-slip and 3D waterproofing membranes.

Delivered on pallets holding a range of colours.

Technical assistance with installation.

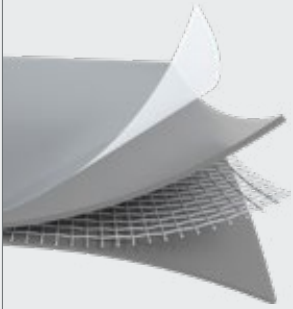
Training from level 1 to Expert level in 5 agencies: Trappes, Rennes, Bordeaux, Marseilles and Lyon, as of August 2017.



©CEPS_Philippe_FEVRIER_PortoVecchio

REINFORCED MEMBRANE
1 VARNISHED SURFACE

Alkorplan 2000



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

GUARANTEE LEAKTIGHTNESS 15 YEARS

GUARANTEE AGAINST STAINS 6 YEARS

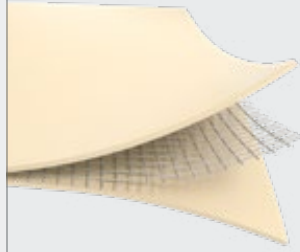
GUARANTEE TEMPERATURE 33°C

GUARANTEE DIMENSIONAL STABILITY 5 YEARS

FIXED CHARGE FOR LABOUR

REINFORCED MEMBRANE
UNVARNISHED

Alkorplan 1000



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

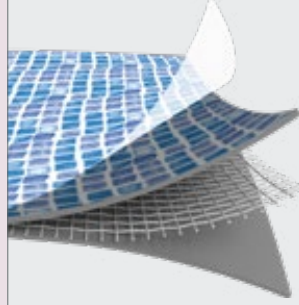
GUARANTEE LEAKTIGHTNESS 10 YEARS

GUARANTEE TEMPERATURE 33°C

FIXED CHARGE FOR LABOUR

REINFORCED MEMBRANE
PATTERNED

Alkorplan 3000



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

GUARANTEE LEAKTIGHTNESS 15 YEARS

GUARANTEE AGAINST STAINS 6 YEARS

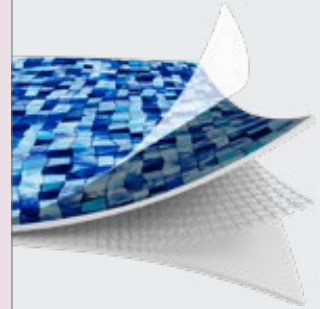
GUARANTEE TEMPERATURE 33°C

GUARANTEE DIMENSIONAL STABILITY 5 YEARS

FIXED CHARGE FOR LABOUR

REINFORCED MEMBRANE
PATTERNED

Sensation



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

GUARANTEE LEAKTIGHTNESS 15 YEARS

GUARANTEE AGAINST STAINS 6 YEARS

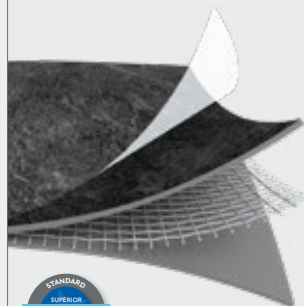
GUARANTEE TEMPERATURE 33°C

GUARANTEE DIMENSIONAL STABILITY 5 YEARS

FIXED CHARGE FOR LABOUR

REINFORCED
MEMBRANE 3D

Alkorplan 3D
Touch



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

GUARANTEE LEAKTIGHTNESS 15 YEARS

GUARANTEE AGAINST STAINS 6 YEARS

GUARANTEE TEMPERATURE 33°C

GUARANTEE DIMENSIONAL STABILITY 5 YEARS

FIXED CHARGE FOR LABOUR

REINFORCED
MEMBRANE 3D

Sensation 3D



STANDARD SUPERIOR CLASS COMPLIANT
NF 15 836-2

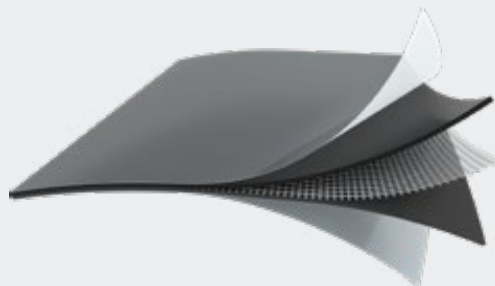
GUARANTEE LEAKTIGHTNESS 15 YEARS

GUARANTEE AGAINST STAINS 6 YEARS

GUARANTEE TEMPERATURE 33°C

GUARANTEE DIMENSIONAL STABILITY 5 YEARS

FIXED CHARGE FOR LABOUR



- Protective PVDF varnish (water side)
- Plain or patterned 0.75 mm high performance PVC-P 0.75 mm membrane
- Reinforcing, PVC coated polyester mesh
- Plain or patterned high performance PVC-P 0.75 mm membrane
- Protective acrylic varnish (wall side)

The best guarantees on the market



Technical data and performance data

- By evaluating the needs of professionals and end users in the context of 35 years of experience, Procopi has developed a new generation of attractive, high performance membranes.
- Surface V2F membranes comply with the AFNOR NF T 54 804 and NF 15836-2 standard, and the REACH (EC 1907/2006) directive. Technical data:

■ Protective varnish on both surfaces

- A layer of PVDF varnish applied to the side in contact with the water:
 - Facilitates cleaning of the membrane, notably the water line.
 - Enhances the protection of pigments against UV radiation.
 - Slows discolouration of the membrane.
 - Protects the membrane against abrasion and scratching.
 - A fungicide impregnated into the membrane protects the membrane against the growth of algae, bacteria and micro-organisms.
- A layer of acrylic varnish applied to the side in contact with the wall:
 - Improves resistance to the development of micro-organisms that can grow between the wall and the membrane.

■ PVC coated polyester mesh

- Sandwiched between two 0.75 mm membranes, it increases the membrane's resistance to tearing, deformation and delamination.
- Optimises dimensional stability.

■ A non-slip, PVDF varnished coating on the water side and an acrylic varnish on the side in contact with the wall

- Imparts a smoother, more appealing finish that is easier to maintain.

■ Withstands water temperatures up to 35°C

■ 5 plain colours.

- Plain colours match our pool fittings and our automatic covers.

■ Outstanding guarantees (see below), the logical outcome of the exceptional qualities of the 0.75 mm PVC-P sheets used to manufacture 1.50mm reinforced membranes.

Guarantees

Guarantees offered on the standard and non-slip 1.50 mm reinforced membranes are reserved exclusively to Procopi's professional clients. They apply to all standard and non-slip 1.50 mm reinforced membranes delivered after February 1st 2018.

Guarantees covering standard and non-slip 1.50 mm reinforced membranes implies the professional client's acceptance of the provisions and recommendations set out in the following documents:

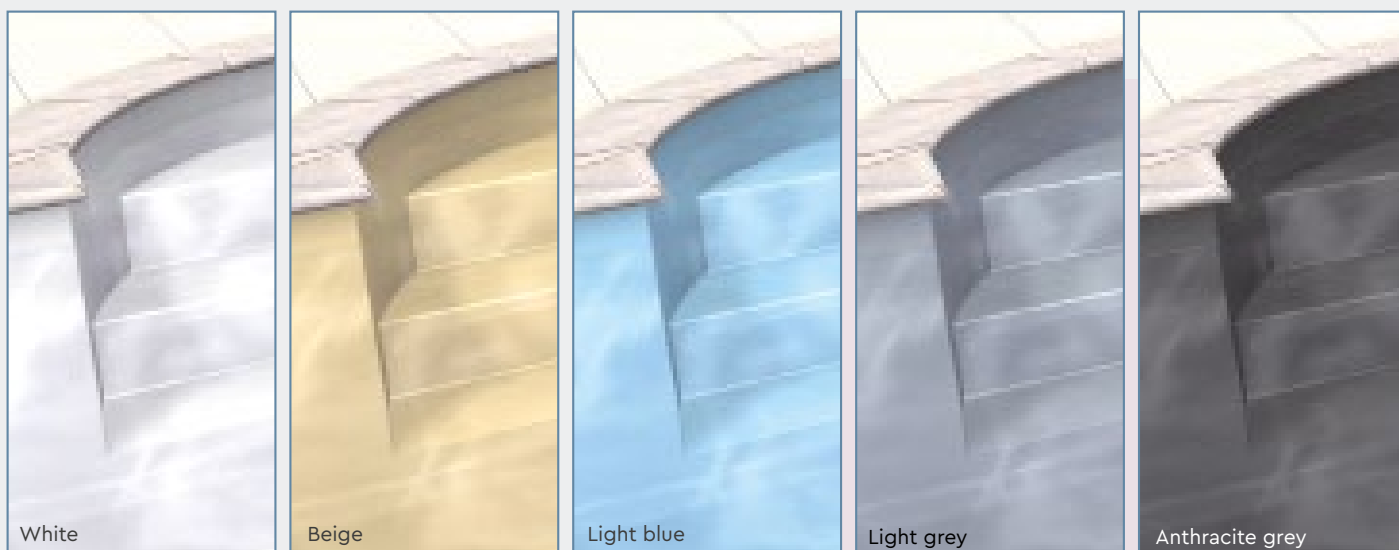
- French standard NF EN 15836-2, dated August 2010
- French standard NF T 54-804, dated February 2008
- The document "Use and maintenance of PVC-P membranes", issued by the Procopi company


In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

The complete terms and conditions governing application of the standard and non-slip 1.50 mm reinforced membrane guarantees are available on procopi.com.

BWT SURFACE V2F - PLAIN AND NON-SLIP

Family 6510



 The non-slip surface provides better purchase

BWT SURFACE V2F - PLAIN - 1.65 M

Family 6510

Width 1.65 m: delivered in 25 m rolls (41.25 m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1912030	Surface V2F - White	per m ²	
1912050	Surface V2F - Beige	per m ²	
1912010	Surface V2F - Light blue	per m ²	
1912080	Surface V2F - Light grey	per m ²	
1912110	Surface V2F - Anthracite grey	per m ²	

▲ A pallet of Surface V2F may be loaded with 8 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

BWT SURFACE V2F - NONSLIP, PLAIN - 1.65 M

Family 6510

Width 1.65 m : delivered in 20 m rolls (33 m²) or pallet of 8 rolls (264 m²).

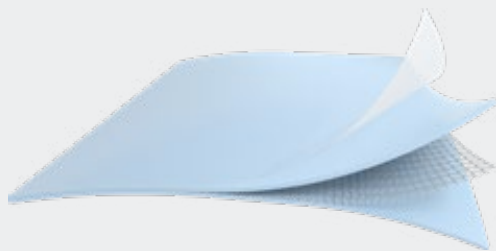
Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Per m ²
1914030	Surface V2F Non-slip - White	per m ²		
1914050	Surface V2F Non-slip - Beige	per m ²		
1914010	Surface V2F Non-slip - Light blue	per m ²		
1914080	Surface V2F Non-slip - Light grey	per m ²		
1914110	Surface V2F Non-slip - Anthracite grey	per m ²		

▲ A pallet of Surface V2F may be loaded with 8 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

BWT ACCESSORIES SURFACE V2F

Family 6510

Code	Description	Price
	Liquid PVC	
1915030	Liquid PVC - White	1 L pot
1915050	Liquid PVC - Beige	1 L pot
1915010	Liquid PVC - Light blue	1 L pot
1915080	Liquid PVC - Light grey	1 L pot
1915110	Liquid PVC - Anthracite grey	1 L pot



- Protective acrylic varnish (water side)
- Plain or patterned high performance PVC-P 0.75 mm membrane
- Reinforcing, polyester mesh
- Plain high performance PVC-P 0.75 mm membrane



Technical data and performance data

- By evaluating the needs of professionals and end users in the context of 35 years of experience, Procopi has developed a new generation of attractive, high performance membranes.
- INITIALE V1F membranes comply with the AFNOR NF T 54 804 and NF 15836-2 standard, and the REACH (EC 1907/2006) directive. Technical data:

■ **Protective varnish on one surface**

- A layer of acrylic varnish applied to the side in contact with the water:
 - Facilitates cleaning of the membrane, notably the water line.
 - Enhances the protection of pigments against UV radiation.
 - Slows discolouration of the membrane.
 - Protects the membrane against abrasion and scratching.
 - A fungicide impregnated into the membrane, protects the membrane against the growth of algae, bacteria and micro-organisms.

■ **Polyester mesh**

- Sandwiched between two 0.75 mm membranes, it increases the membrane's resistance to tearing, deformation and delamination.
- Optimises dimensional stability.

■ **Withstands water temperatures up to 33°C**

■ **5 plain colours.**

- Plain colours match our pool fittings and our automatic covers.

■ **Outstanding guarantees (see below), the logical outcome of the exceptional qualities of the 0.75 mm PVC-P sheets used to manufacture 1.50mm reinforced membranes.**

Guarantees

Guarantees covering standard and non-slip 1.50 mm reinforced membranes implies the professional client's acceptance of the provisions and recommendations set out in the following documents:

The complete terms and conditions governing application of the standard and non-slip 1.50 mm reinforced membrane guarantees are available on procopi.com.

- French standard NF EN 15836-2, dated August 2010
- French standard NF T 54-804, dated February 2008
- The document "Use and maintenance of PVC-P membranes", issued by the Procopi company

In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

The complete terms and conditions governing application of the standard and non-slip 1.50 mm reinforced membrane guarantees are available on procopi.com.

BWT INITIALE V1F - PLAIN AND NONSLIP

Family 6500



White



Beige



Light blue



Dark blue



Light grey



The non-slip surface provides better purchase

BWT INITIALE V1F PLAIN - 1.65 M

Family

Width 1.65 m: delivered in 25 m rolls (41.25 m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1902030	Initiale V1F Plain - White	per m ²	
1902050	Initiale V1F Plain - Beige	per m ²	
1902010	Initiale V1F Plain - Light blue	per m ²	
1902020	Initiale V1F Plain - Dark blue	per m ²	
1902080	Initiale V1F Plain - Light grey	per m ²	

▲ A pallet of Initiale V1F may be loaded with 8 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

BWT INITIALE V1F PLAIN - 1.40 M

Family

Width 1.40 m: delivered in 25 m rolls (35m²) or pallet of 8 rolls (280 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1902031	Initiale V1F Plain - White	per m ²	
1902051	Initiale V1F Plain - Beige	per m ²	
1902081	Initiale V1F Plain - Light grey	per m ²	

▲ A pallet of Initiale V1F may be loaded with 8 different plain coloured rolls (white, beige, grey, etc.), roll width must be identical.

BWT INITIALE V1F - PLAIN, NON-SLIP - 1.65 M

Family

Width 1.65 m: delivered in 25 m rolls (41.25m²) or pallet of 7 rolls (287 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	per m ²
1904030	Initiale V1F Plain, nonslip - White	per m ²		
1904050	Initiale V1F Plain, nonslip - Beige	per m ²		
1904010	Initiale V1F Plain, nonslip - Light blue	per m ²		
1904020	Initiale V1F Plain, nonslip - Dark blue	per m ²		
1904080	Initiale V1F Plain, nonslip - Light grey	per m ²		

▲ A pallet of Initiale V1F may be loaded with 7 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

BWT INITIALE V1F ACCESSORIES

Family 6500

Code	Description	Price
	Liquid PVC	
1905030	Liquid PVC - White	1 L pot
1905050	Liquid PVC - Beige	1 L pot
1905010	Liquid PVC - Light blue	1 L pot
1905020	Liquid PVC - Dark blue	1 L pot
1905080	Liquid PVC - Light grey	1 L pot

ALKORPLAN REINFORCED MEMBRANE, 1 VARNISHED SURFACE




Protective acrylic varnish

Plain or patterned high performance PVC-P
0.75 mm membrane

Reinforcing, polyester mesh

Plain high performance
PVC-P 0.75 mm membrane



 Procopi's Design Office can draw up a layout plan to optimise the use of materials and choose the best locations for the welds.

Technical data and performance data

- Alkorplan 2000 – 3000 and 3D Touch membranes are manufactured by RENOLIT.
- All Alkorplan 2000 – 3000 and 3D Touch membranes comply with the French standards AFNOR NFT 54 804 and NF 15836-2, as well as the REACH directive (EC 1907/2006).
- Layer of varnish 8 microns thick, applied to the water side
 - Facilitates cleaning of the membrane, notably the water line.
 - Enhances the protection of pigments against UV radiation.
 - Slows discolouration of the membrane.
 - Protects the membrane against abrasion and scratching.
- **A polyester mesh is sandwiched between two 0.75 mm provides excellent resistance to tearing, deformation and delamination.**
- **Withstands water temperatures up to 33°C**
- **Excellent dimensional stability**
- **A wide range of colours and patterns**
 - 7 plain colours.
 - 8 patterns, 11 of which are 3D Touch.
 - 3 tile bands and friezes.

Plain colours match our pool fittings and our automatic covers.

- **Outstanding guarantees (see below), the logical outcome of the exceptional qualities of the 0.75 mm PVC-P sheets used to manufacture 1.50mm reinforced membranes. 2000, 3000 and 3D Touch reinforced membranes.**

Guarantees

Guarantees offered on the 2000, 3000 and 3D Touch reinforced membranes are reserved exclusively to Procopi's professional clients. They apply to all standard and non-slip 1.50 mm reinforced membranes delivered after February 1st 2018.

Guarantees covering 2000, 3000 and 3D touch reinforced membranes implies the professional client's acceptance of the provisions and recommendations set out in the following documents:

- French standard NF EN 15836-2, dated August 2010
- French standard NF T 54-804, dated February 2008
- The document "Use and maintenance of PVC-P membranes", issued by the Procopi company

In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

The complete terms and conditions governing application of the 2000, 3000 and 3D Touch reinforced membrane guarantees are available on procopi.com

+ 25,20 m x 1.65 m rolls are invoiced on a basis of 41 m²
25,20 m x 2.05 m rolls are invoiced on a basis of 51 m²

Procopi guarantees

Guarantees covering Alkorplan 2000 membranes were modified as of the 1st of February 2016.

Under the terms of these guarantees the installer is now reimbursed a fixed sum to compensate labour, call-out fees, water and chlorinated water treatment products under the following circumstances:

- Replacement of the Alkorplan 2000 membrane, within the scope of a guarantee claim,
- A defect in the Alkorplan 2000 membrane, observed during installation.

The new guarantees also cover labour costs associated with the presence of an automated cover and/or steps.

CAUTION: Anthracite grey and black are more sensitive to high concentrations of oxydising water treatment chemicals, incorrect pH balancing and deposition of limescale

The Redox potential (oxidation reduction potential) of the pool water has a significant impact on the ability of standard Alkorplan membranes to hold their colour over time. The Redox potential will vary depending on the type of Chlorine used (Stabilised or non-stabilised, the pH value of the pool water and the concentration of Isocyanuric Acid in the pool. In order to protect the pigments in the waterproofing membrane, the Redox potential should not be allowed to rise above 750 mV for sustained periods of time.



ALKORPLAN 2000 - PLAIN - 1.65 M

Family 6430

Width 1.65 m: delivered in 25 m rolls (41m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1810010	Alkorplan 2000 – Light blue	per m ²	
1810020	Alkorplan 2000 – Dark blue	per m ²	
1810030	Alkorplan 2000 – White	per m ²	
1810040	Alkorplan 2000 – Caribbean green	per m ²	
1810050	Alkorplan 2000 – Beige	per m ²	
1810080	Alkorplan 2000 – Light grey	per m ²	
1810210	Alkorplan 2000 – Anthracite grey	per m ²	

▲ A pallet of Alkorplan 2000 may be loaded with 8 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

ALKORPLAN 2000 - PLAIN - 2.05 M

Family 6430

Width 2.05 m: delivered in 25 m rolls (51 m²), pallet of 8 rolls (408 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1810012	Alkorplan 2000 – Light blue	per m ²	
1810022	Alkorplan 2000 – Dark blue	per m ²	
1810032	Alkorplan 2000 – White	per m ²	
1810042	Alkorplan 2000 – Caribbean green	per m ²	
1810052	Alkorplan 2000 – Beige	per m ²	
1810082	Alkorplan 2000 – Light grey	per m ²	
1810212	Alkorplan 2000 – Anthracite grey	per m ²	

▲ A pallet of Alkorplan 2000 may be loaded with 8 different plain coloured rolls (light blue, beige, grey, etc.), roll width must be identical.

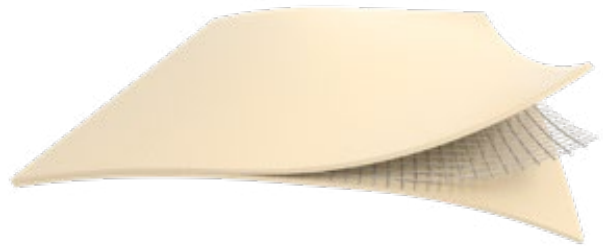
ALKORPLAN REINFORCED MEMBRANE, UNVARNISHED



Plain or patterned high performance PVC-P
0.75 mm membrane

Reinforcing polyester mesh

Plain high performance PVC-P 0.75 mm
membrane



+ Procopi's Design Office can draw up a layout plan to optimise the use of materials and choose the best locations for the welds.

Technical data and performance data:

- Alkorplan Standard and Non-slip membranes are manufactured by RENOLIT.
 - All Alkorplan Standard and Non-slip membranes comply with the French standards AFNOR NF T 54 804 and NF 15836-2, as well as the REACH directive (EC 1907/2006).
 - Non-slip reinforced membranes meet the requirements for class C Classification as set out in the European standard EN 15288-1 governing pool safety. Tests were performed by the SFV laboratory in accordance with the test protocol DIN 51 097.
- **A fungicide impregnated into the membrane, protects the membrane against the growth of algae, bacteria and micro-organisms.**
 - **Withstands water temperatures up to 33°C**
 - **Good dimensional stability**
 - **A wide range of colours and patterns**
 - 6 plain colours.
 - 7 plain colours for non-slip membranes.
- Plain colours match our pool fittings and our automatic covers
- **The logical outcome of the exceptional qualities of the 0.75 mm PVC-P sheets used to manufacture 1.50mm reinforced membranes.**

Guarantees

Guarantees offered on the standard and non-slip 1.50 mm reinforced membranes are reserved exclusively to Procopi's professional clients. They apply to all standard and non-slip 1.50 mm reinforced membranes delivered after February 1st 2018.

Guarantees covering standard and non-slip 1.50 mm reinforced membranes implies the professional client's acceptance of the provisions and recommendations set out in the following documents:

- French standard NF EN 15836-2, dated August 2010
- French standard NF T 54-804, dated February 2008
- The document "Use and maintenance of PVC-P membranes", issued by the Procopi company

In the case of a claim accepted by Procopi in the scope of one of these guarantees, the professional client will also receive a fixed payment to cover the costs of labour and other incidental costs.

The complete terms and conditions governing application of 1.50 mm reinforced membrane guarantees are available on procopi.com

REINFORCED MEMBRANE, UNVARNISHED



ALKORPLAN STANDARD - PLAIN - 1.65 M

Family 6400

Width 1.65 m: delivered in 25 m rolls (41m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1802010	Alkorplan 1000 - Light blue	per m ²	
1802020	Alkorplan 1000 - Dark blue	per m ²	
1802030	Alkorplan 1000 - White	per m ²	
1802040	Alkorplan 1000 - Caribbean green	per m ²	
1802050	Alkorplan 1000 - Beige	per m ²	
1802060	Alkorplan 1000 - Grey	per m ²	

PVC LIQUIDE ALKORPLAN 1000 & 2000

Family 6460

Code	Description	Price
1824110	Liquid PVC - Light blue	0.9 kg pot
1824120	Liquid PVC - Marine blue/ Dark blue	0.9 kg pot
1824130	Liquid PVC - White	0.9 kg pot
1824140	Liquid PVC - Caribbean green	0.9 kg pot
1824150	Liquid PVC - Beige	0.9 kg pot
1824180	Liquid PVC - Light grey	0.9 kg pot
1824186	Liquid PVC - Anthracite grey	0.9 kg pot



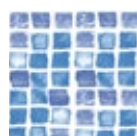
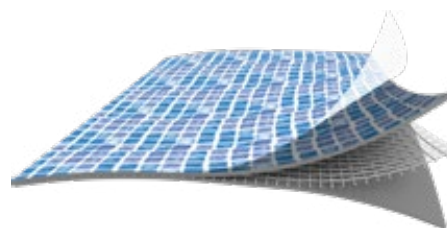
ALKORPLAN NON-SLIP - PLAIN - 1.65 M

Family 6400

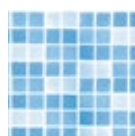
Width 1.65 m: delivered per m², per 12.60 metre roll (21m²) or per pallet of 10 rolls (210 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1804010	Alkorplan 1000 non-slip - Light blue	per m ²		
1804020	Alkorplan 1000 non-slip - Dark blue	per m ²		
1804030	Alkorplan 1000 non-slip - White	per m ²		
1804040	Alkorplan 1000 non-slip - Caribbean green	per m ²		
1804050	Alkorplan 1000 non-slip - Beige	per m ²		
1804080	Alkorplan 1000 non-slip - Grey	per m ²		
1804210	Alkorplan 1000 non-slip - Anthracite grey	per m ²		

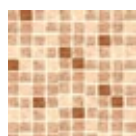
PATTERNED REINFORCED MEMBRANE ALKORPLAN



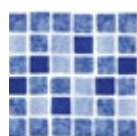
Mosaic
2x2 blue



Byzance blue



Cuzco 4x4 pink



Persia blue,
marine blue



Persia pink



Carrara



Marbled blue



Platinum

ALKORPLAN 3000 - PATTERNED - 1.65 M

Family 6430

Width 1.65 m: delivered in 25 m rolls (41m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1810070	Alkorplan 3000 - Mosaic 2x2 blue	per m ²	
1810060	Alkorplan 3000 - Byzance blue	per m ²	
1810120	Alkorplan 3000 - Cuzco pink	per m ²	
1810180	Alkorplan 3000 - Persia blue, marine blue	per m ²	
1810160	Alkorplan 3000 - Persia pink	per m ²	
1810100	Alkorplan 3000 - Carrara	per m ²	
1810240	Alkorplan 3000 - Marbled blue	per m ²	
1810300	Alkorplan 3000 - Metallic Platinum	per m ²	

▲ A pallet of Alkorplan 3000 may be loaded with 8 rolls with different patterns or tile bands (Mosaic, Byzance, Maya, Genoa, etc.).

ALKORPLAN 3000 NON-SLIP - PATTERNED - 1.65 M

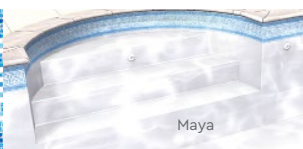
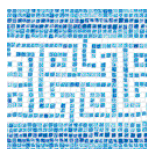
Family 6400

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1804060	Alkorplan Non-slip - Byzance blue	per m ²		
1804180	Alkorplan Non-slip - Persia blue	per m ²		
1804100	Alkorplan Non-slip - Carrara	per m ²		

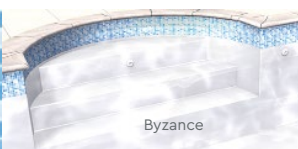
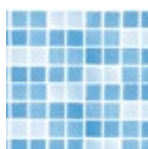
LIQUID PVC ALKORPLAN 3000

Family 6400

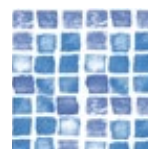
Code	Description	Price
1824155	Alkorplan Liquid PVC - Transparent	0.9 kg pot
1824187	Alkorplan Liquid PVC - Platinum	0.9 kg pot



Maya



Byzance



Byzance

ALKORPLAN 3000 - FRIEZE - 1.65 M

Family 6430

Width 1.65 m: delivered per m², per 25 metre roll (41m²) or per pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1810200	Alkorplan 3000 - Maya frieze	per m ²		

ALKORPLAN 3000 - TILE BAND - 1.65 M

Family 6430

Width 033 m: delivered in 25 m rolls

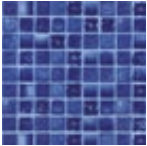
Code	Description	Price per roll
1810069	Alkorplan 3000 tile band - Byzance blue	per m
1810079	Alkorplan 3000 tile band - Mosaic 2x2	per m

PATTERNED REINFORCED MEMBRANE SENSATION

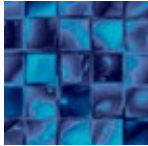


SENSATION - PATTERNED - 1.65M

Family 6400



Mosaic 2x2



Mosaic 5x5 turquoise



Mosaic Nemo

Width 1.65 m: delivered in 25 m rolls (41m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery
1922010	Sensation – Patterned Mosaic 2x2	per m ²	
1922020	Sensation – Patterned Mosaic 5x5 Turquoise	per m ²	
1922040	Sensation – Patterned Mosaic Nemo	per m ²	

SENSATION NON-SLIP - PATTERNED - 1.65M

Family 6530

Width 1.65 m: delivered in 25 m rolls (41m²) or pallet of 8 rolls (328 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1924010	Sensation Non slip – Patterned Mosaic 2x2	per m ²		
1924020	Sensation Non slip – Patterned Mosaic 5x5 Turquoise	per m ²		
1924030	Sensation Non slip – Patterned Mosaic 5x5 Blue	per m ²		
1924040	Sensation Non slip – Patterned Mosaic Nemo	per m ²		

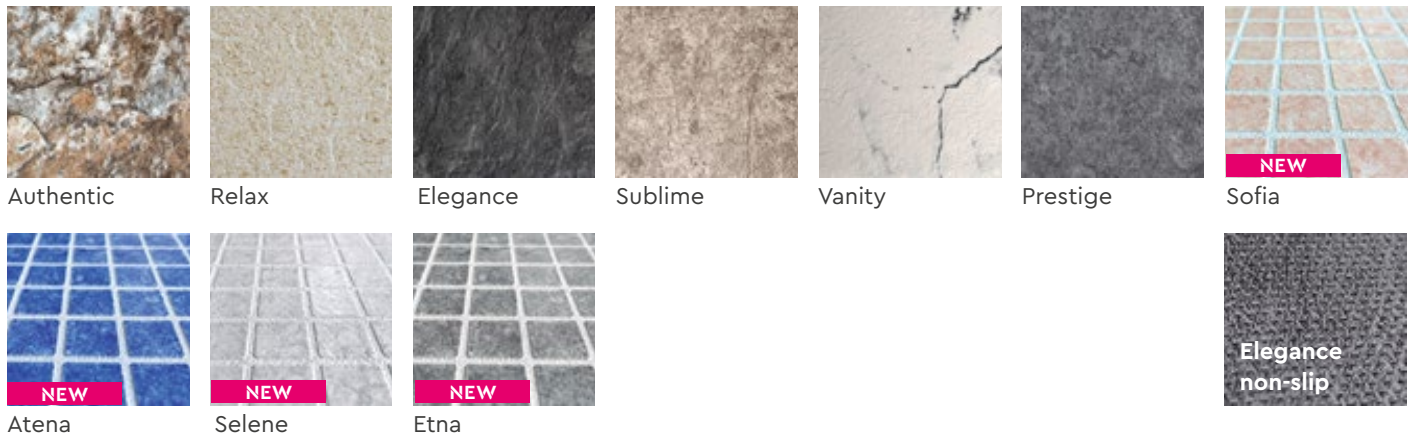


ACCESSORIES, SENSATION

Family 6530

Code	Description	Price
1925010	Liquid PVC Sensation – Transparent	1L container

3D REINFORCED MEMBRANES ALKORPLAN



ALKORPLAN 3D TOUCH - 2 MM

Family 6410

Width 1.65 m: delivered in 21 m rolls (35m²) or pallet of 8 rolls (140 m²) or per m².

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1805500	Alkorplan 3D - Touch - 2.00 mm - Authentic	per m ²		
1805520	Alkorplan 3D - Touch - 2.00mm - Relax	per m ²		
1805540	Alkorplan 3D - Touch - 2.00 mm - Elegance	per m ²		
1805600	Alkorplan 3D - Touch - 2.00 mm - Sublime	per m ²		
1805580	Alkorplan 3D - Touch - 2.00 mm - Vanity	per m ²		
1805560	Alkorplan 3D - Touch - 2.00 mm - Prestige	per m ²		
1806700	Alkorplan 3D - Touch - 2.00 mm - Sofia	per m ²		
1806710	Alkorplan 3D - Touch - 2.00 mm - Atena	per m ²		
1806720	Alkorplan 3D - Touch - 2.00 mm - Selene	per m ²		
1806730	Alkorplan 3D - Touch - 2.00 mm - Etna	per m ²		



▲ A pallet of Alkorplan 3D Touch may be loaded with 4 rolls with any of the patterns listed above.

Code	Description	Price per roll
1827200	Edge to edge weld band, 0.15 × 20 m	per m
1827200	Edge to edge weld band, 0.15 × 20 ml	per 18 rolls, per m

ALKORPLAN NON-SLIP - 1.50 MM - 3D - 1.65 M

Family 6410

Width 1.65 m: delivered in m² sections, 10 meter roll (16 m²) or pallet of 10 rolls (160 m²).

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1804540	Alkorplan non-slip - 1.50 mm - 3D Touch -Elegance	per m ²		

+ Due to their relief pattern, Alkorplan 3D Relax, Authentic, Sublime, Prestige, and vanity liners are non-slip, this is why there is no specific non-slip version for these patterns

ALKORPLAN 3D LIQUID PVC

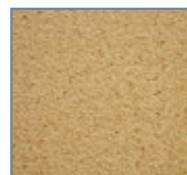
Family 6410

Code	Description	Price
1824500	Alkorplan 3D Liquid PVC - Authentic	0.9 kg pot
1824520	Alkorplan 3D Liquid PVC - Relax	0.9 kg pot
1824540	Alkorplan 3D Liquid PVC - Elegance	0.9 kg pot
1824580	Alkorplan 3D Liquid PVC - Vanity	0.9 kg pot
1824600	Alkorplan 3D Liquid PVC - Sublime	0.9 kg pot
1824560	Alkorplan 3D Liquid PVC - Prestige	0.9 kg pot

3D REINFORCED MEMBRANE SENSATION



Slate



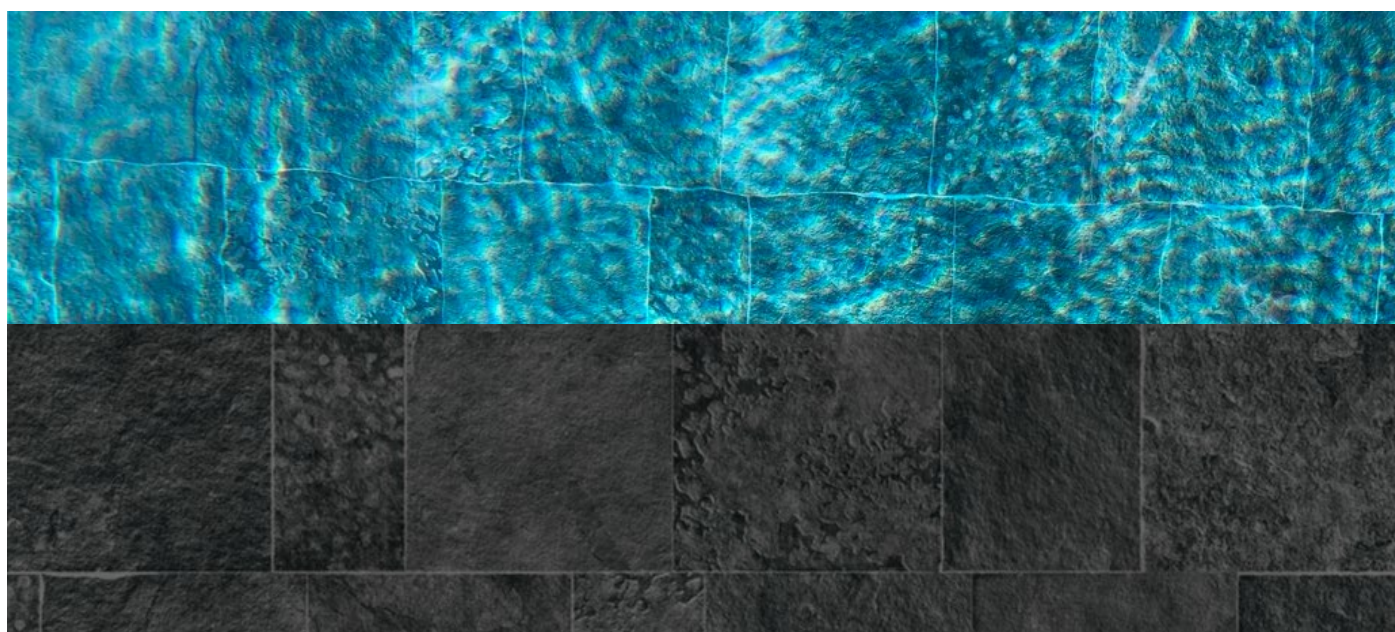
Beige



Mosaic 3D



Stonehenge



WATERPROOFING MEMBRANES

SENSATION 3D

Family 6530

Width 1.65 m: delivered in 20 m rolls (33 m²), pallet of 8 rolls (264 m²) or per m².

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1932010	Sensation 3D - Slate			per m ²
1932020	Sensation 3D- Beige			per m ²
1932030	Sensation 3D- Mosaic 3D			per m ²
1932040	Sensation 3D - Stonehenge NEW			per m ²

SENSATION 3D NON-SLIP

Famille 6530

Code	Description	Price per m ² , pallet delivery	Price per m ² , roll delivery	Price per m ²
1934010	Sensation 3D Slate, non-slip			

ACCESSORIES

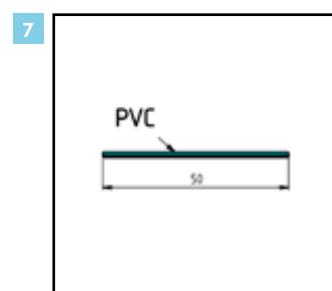
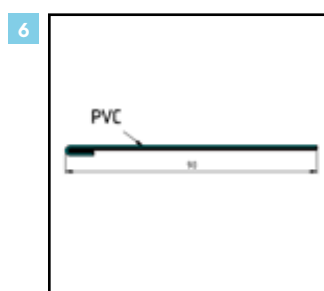
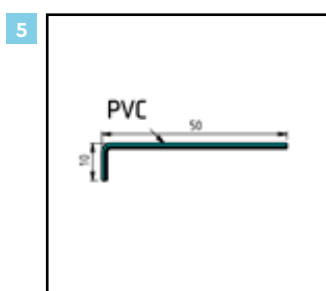
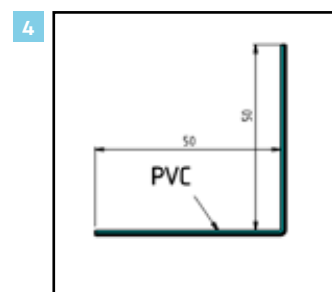
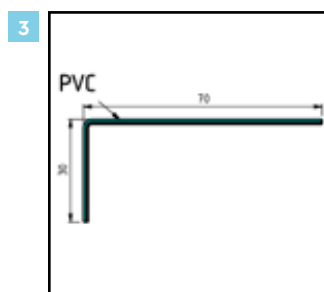
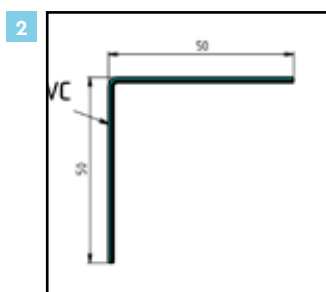
Family 6530

Code	Description	Price
	LIQUID PVC	
1935010	Liquid PVC - Slate	1L container
1935020	Liquid PVC - Beige	1L container

ACCESSORIES

Family 6460

	Rivets, sheeting and tape		Price
	1825110	Alkorplan or extruded strip expansion rivet	box of 100, per rivet
	1825100	Alkorplan or extruded strip expansion rivet	box of 3000, per rivet
1	7690260	Stainless steel bushing A2, 5×30 mm	Box of 300, per box
	1826100	Colaminated PVC sheet, 2 × 1 m	per m ²
2	1826200	Internal corner 50×50 mm ,2 m length	6 lengths, per unit
3	1826210	Internal corner 70×30 mm, 2 m length	6 lengths, per unit
4	1826300	External corner 50×50 mm, 2 m length	6 lengths, per unit
5	1826400	Connecting strip 50×10 mm, 2 m length	6 lengths, per unit
6	1826410	Connecting strip 90×10 mm, 2 m length	6 lengths, per unit
7	1826500	Connecting strip, flat, 50 mm, 2 m length	6 lengths, per unit
	Solvent and glue		
	1823150	THF solvent 1 L container	
	1822300	Vinyl glue for reinforced membrane	5 litre container
	1822350	Alkorplan vinyl glue for dark colours (anthracite grey)	10 litre container
	Other accessories		
	1824200	Liquid PVC application bottle	
	1827100	Swimming lane dividing line, black, 120/100	25 m roll, per m
	1828100	9 mm welding tape	25 m roll, per m
	1828510	Silicon sealant, 300 ml - Light blue	
	1828510	Silicon sealant, 300 ml - Light blue	Set of 24, per unit
	1828530	Silicon sealant, 300 ml - White	
	1828530	Silicon sealant, 300 ml - White	Set of 24, per unit
	1828550	Silicon sealant, 300 ml - Beige	
	1828550	Silicon sealant, 300 ml - Beige	Set of 24, per unit
	1828555	Silicon sealant, 300 ml - Translucent	
	1828555	Silicon sealant, 300 ml - Translucent	Set of 24, per unit
	1828580	Silicon sealant, 300 ml - Light grey	
	1828580	Silicon sealant, 300 ml - Light grey	Set of 24, per unit



MATCO SOL POOL PAINT

Family 6600

Epoxy paint with hardener

Matco Sol creates a very hard, smooth but non-slip surface that prevents disaggregation of the cement. It renders the cement impermeable, resistant to acid and grease and facilitates cleaning. Matco Sol pool paint is applied only with a roller.



Code	Description	Price
1859050	Diluant Matco Sol, 2,5 L	
1859600	Preparation agent (removes film residue from cement), 5 kg	

+ APPLICATION: Ideal for concrete and polyester finishes. New pools: Matco Sol is applied in 2 layers. Renovation: Matco Sol is applied in only 1 layer

	White		Light blue		Beige		Grey	
	Code	Price	Code	Price	Code	Price	Code	Price
Matco Sol paint, 112 m ²	1852020		1851020		1854020		1853020	
Matco Sol paint, 28 m ²	1852120		1851120		1854120		1853120	
Matco Sol paint, 8 m ²	1852220		1851220		1854220		1853220	

WATERPROOFING MEMBRANES



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BWT PROTECTION & SAFETY

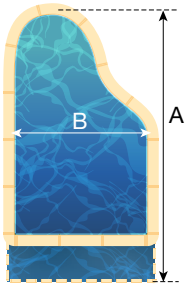
Complies with the following standards:

NF EN 16582-1 (October 2015): Private family pools —
Part 1: General safety requirements and test methods
NF EN 16582-2 (October 2015): Private family pools —
Part 2: General safety requirements and test methods for in-ground pools
NF EN 16582-3 (October 2015): Private family pools —
Part 3: General safety requirements and test methods for above-ground pools
NF P90-308 December 2013: Safety covers and fastening methods

07

Automatic covers & shelters

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The prices of rectangular covers, with or without a step piece, can be easily calculated using the information provided on the previous pages. For any other pool shape the pool is considered to be a free form pool and the calculation rules set out below should be applied.

1 / Calculate the surface area of the cover apron

The surface area of the slat cover is calculated based on the surface area of the rectangle into which the pool fits. Thus, in the example opposite, and in every other case, the surface area of the slat cover is obtained by the formula: A x B. The result is then rounded up to the nearest m².

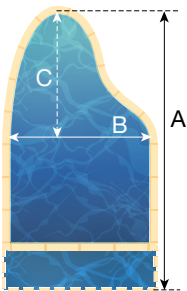
Example : A = 11.15 m and B = 4.60 m.

Surface area : $4.60 \times 11.15 = 51.29 \text{ m}^2$, rounded up to 52 m²

Price : The price of the slat cover is obtained by multiplying the surface area by the price per m².

Step piece : If the pool features steps, add the relevant step-piece.

Figure A



2 / Select the slat end finish

The edge of the slat cover can be finished in two ways:



A welded plug finish

This solution is relatively inexpensive, however, the finish is stepped. This can be visually unappealing and, in certain cases, particularly step-pieces, can present difficulties in terms of compliance with the French standard NFP 90-308. (less than 25 cm)

A smooth silicon finish



While this type of finish is obviously much more labour intensive, it features two advantages, firstly it looks good, and secondly, it ensures compliance with the French standard NF P90-308. For free-form pool covers, clients must indicate whether they want a smooth or stepped finish in the curved sections.

Once this choice is made (Plug or Silicon), the number of slat ends involved is calculated. The calculation is carried out as follows:

Calculate the number of end-pieces requiring a special finish :

Examples (Figures A) : C = 4.60 m, slat width = 0.075 m.

Number of finishes: $(C \times 2) / 0.075 = 122.66$, rounded up to 123 finishes.

Examples (Figures B) : C = 4.75 m, D = 1.6 m slat width = 0.075 m.

Number of finishes: $(C \times D) / 0.075 = 84.66$, rounded up to 85 finishes.

Price for a special finish: Refer to the table below, to calculate the total price of finish, multiply the number of slat ends by the unit price shown below. In the example shown in figure A, the number of slat ends is 123, in the example shown in figure there are 85 slat ends.

The price of the special finish should be added to the price of the slat cover.

3 / Slat finish price

Once the total number of slat ends requiring a plugged or silicon finish has been determined, calculate the overall price of the slat end finish by multiplying this number by the relevant unit price indicated opposite.

Code	Description	Price
32002600	Slat end finish, welded plugs	
32001600	Slat end finish, smoothed silicon	

Free form with template

A surcharge equal to 20% of the cover's total net surface area is applied if the cover is free form and a template is provided

A further surcharge of € 632 (discount to be deducted) will be added to offset the cost of drawing up a triangulation drawing based on the template provided.

Price exVAT(€) = $[(L \times W) \times 1.2] \times \text{price exVAT per m}^2 + € 632$





Unique slat design

- The best air volume/ slat thickness ratio available on the market,
- Ultrasonically welded end plugs: water tightness guaranteed,
- Beautiful down to the finest detail, the end plug colour match the cover colours .

The benefit is three-fold

- Firstly, the air volume/slat thickness ratio ensures excellent cover buoyancy compared to other covers with thicker slats, this increased buoyancy limits the displacement and evacuation of water when the cover is deployed.
- Furthermore, the slats are absolutely watertight, water cannot enter the air cells. The air trapped inside is thus static and dry, guaranteeing optimum thermal insulation.
- Lastly, because the slat cover is extremely buoyant, it has an excellent load bearing capacity and can easily support the weight of a grown man. This unique slat is an additional guarantee of safety.

An exclusive anti-tilt mechanism

- The slats used on all covers are fitted with an anti deflection system with the smallest angle of deflection achieved by any slat cover available on the market. This confers an increased load bearing capacity on the cover and so, better protection for you.
- The set includes: Stardeck throughwall flange concrete/ liner, 275 mm, Stardeck bearing mounting units, Stardeck beam mounting unit, pair, white.

Slot and slide slats

- Easy assembly.
- This method, unlike clipping, preserves the slats' hinge action.
- Delivered in pre-assembled sets of 6 slats for much faster assembly of the cover.

Cleaner, more temperate water

- The cover inhibits photosynthesis and restricts the growth of microscopic algae. Your pool water is cleaner and requires less filtration and less pool chemicals.
- The slat cover protects the pool against cool nights and cold gusting winds. You can begin your pool season earlier in spring and extend it into late Indian summers.
- The crimped surface on the bottom of the slats favours heat exchange, increasing the water temperature while significantly reducing slat

A beautiful finish

- Each cover is designed to harmoniously follow the contours of your pool. A wide choice of slat colours allows you to add an additional touch of refinement.

- The shaping of corners with a radius or cut-away less than or equal to 150 mm is included at no additional cost in the spaces of the slat covers shown.
- The surface area of the slat cover is calculated based on the exact length and width of the pool, there is no added charge.

BWT PVC SLATS

Family 6900



Code	32000300	32000500	32000800	32000100	32000700*
Price					

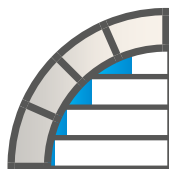
The slat colours match the liner colours:

(*) Translucent blue slats are only available as an option for Coverdeck, Revodeck, Stardeck, Stardeck High Level, Stardeck Ineo, Thermodeck and Igloo covers.

In the case of a Stardeck Inéo cover, if the mechanical assembly is located lower in the pool than recommended in the civil engineering drawings, a surcharge for the additional m² will be invoiced.

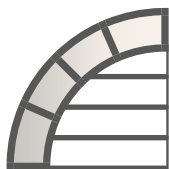
Slat finishes

- All covers can be fitted with a straight roman or custom shaped step piece.
- Two types of finish are available: stepped or smooth.



Stepped finish

Max. distance = 250 mm

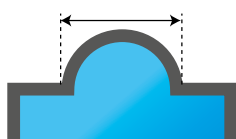


Smooth finish

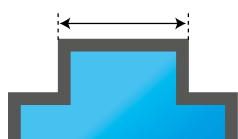


The standard NF P 90-308 prohibits an uncovered gap of more than 250 mm. If it is observed that in some areas this finish would result in a gap of more than 250 mm between the cover and the pool wall, a smooth finish will be mandatory and automatic in these areas.

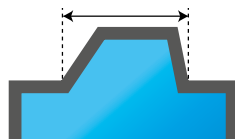
Step pieces



Roman steps



Straight steps



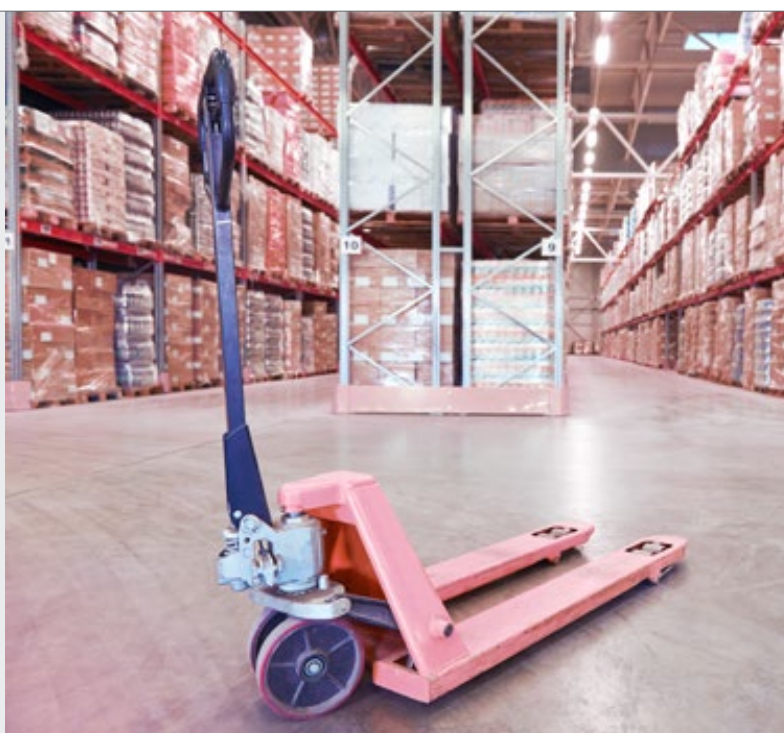
Any other shape

Step type	Smooth finish	Stepped finish
	Price	Price
Roman steps < 3.10 m		
Roman steps > or = 3.10 m		
Straight steps < 2.10 m		
Straight steps > or = 2.10 m		
Any other shape < 3.10 m		
Any other shape > or = 3.10 m		



Take advantage of pick-up from a procopi agency for 1 € more

- We store your automatic covers, bar covers, wooden pools, spas, etc.
- You pick your product up at your convenience.
- We load your order for you.
- All that remains is for you to deliver to your client.
- The invoice will be issued on pick-up from the agency.



BWT DELTALOCK® FASTENERS 

Family 6900

												
Light blue	Blue grey	Dark blue	Marine blue	White	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Translucent blue
32800100	32800230	32800200	32800330	32800300	32800530	32800500	32800800	32800130	32800430	32800600	32800900	32800700*

The fastener colours match the liner colours.
 (*) Translucent blue slats are only permitted for Coverdeck, Revodeck, Stardeck, Stardeck High Level, Stardeck Ineo, Thermodeck and Igloo covers



BWT SUB-COPING DELTALOCK® SAFETY FASTENER 

Family 6900

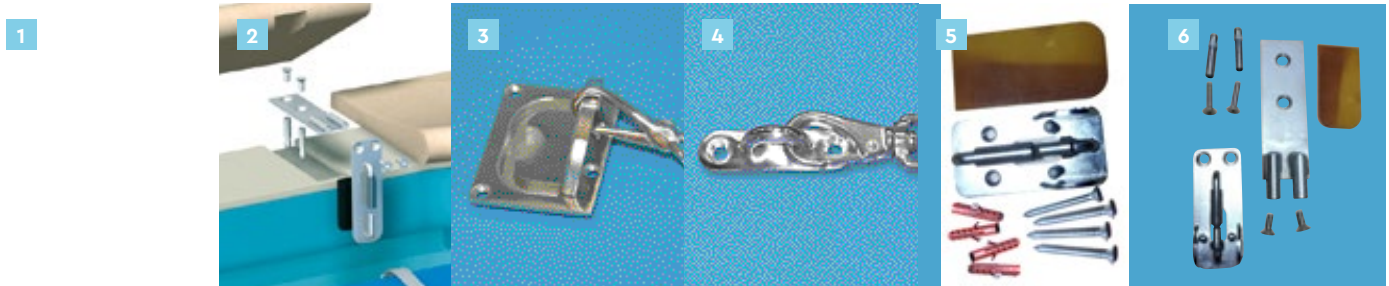
													
	Light blue	Blue grey	Dark blue	Marine blue	White	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black	Translucent blue
	32802100	32802230	32802200	32802330	32802300	32802530	32802500	32802800	32802130	32802430	32802600	32802900	32802700

The fastener colours match the liner colours.

AUTOMATIC COVERS

BWT DELTALOCK SS FASTENERS 

Family 6900

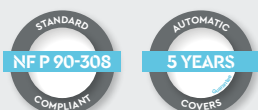


Code	Description	Price
Stainless steel fasteners to bring existing installations into compliance with safety standards		
1	32850600 Stainless steel fastener, to be mounted on the wall	
2	32852600 Stainless steel fastener, 2 sections, to be mounted under the copings	
3	32856600 Fastener with collapsible hasp, for overflow and buffer tank	
4	32857600 Fastener with fixed hasp for overflow and buffer tank	
5	32850000 Wall-mounted stainless steel fastener, for Ineo and high water level pools	
6	32850700 Sub-coping stainless steel fastener, for high water level pools	
	32858600 Lateral fastener, stainless steel collapsible hasp	
	32859600 Lateral fastener, stainless steel fixed hasp	

AUTOMATIC COVERS ABOVE-GROUND

BWT EVODECK® EM

Hand operated

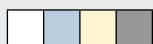


- Moving towards a motorised solution
- No wiring
- Fast installation
- Can be rolled up and rolled out effortlessly using a wireless drill (not supplied)
- Corrosion proof stands

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 5.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 150 mm

Motorisation
By hand

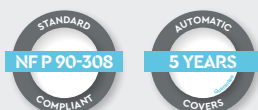
Safety fastener



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BWT EVODECK® EC

Motorised, runs off the mains

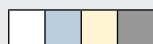


- Fast installation
- Ultra silent 250 Nm reduction gear integrated into the stand
- Removable motor
- Adjustable ends of travel
- Easy maintenance and winterizing
- Control panel integrated into the stand
- Corrosion proof stands

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 150 mm

Motorisation
With or without end of travel
Power supply / mains 230 / 24 V

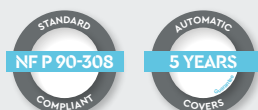
Safety fastener



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BWT AQUADECK® EM

Hand operated

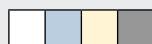


- No electrical wiring
- Fast installation
- Very attractive prices
- Effortless rolling up and unrolling thanks to the reduction gear

TECHNICAL DATA

Maximum dimensions (m)
12.00 × 5.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 190 mm

Motorisation
By hand

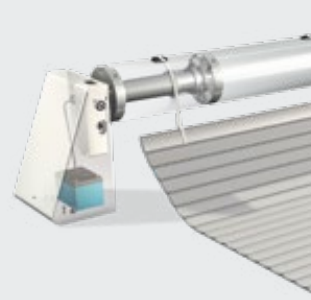
Safety fastener



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BWT AQUADECK® EB

Motorised, runs off a battery

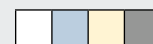


- No electrical wiring
- Superb operating autonomy (30 cycles)
- Time taken to roll up a cover on a 10 × 5 m pool, less than 2 minutes
- Delivered with a waterproof charger
- Low battery warning (buzzer)
- Fast installation
- Push button operation

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 190 / 192 mm

Motorisation
Power supply: Battery and charger

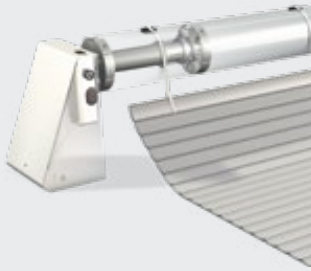
Safety fastener



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BWT AQUADECK® EC

Motorised, runs off the mains

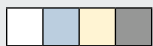


- Runs off a 230 Volts – 50 Hz mains supply
- Fast installation
- Time taken to roll up a cover on a 10 × 5 m pool, less than 2 minutes
- Delivered with its own control panel

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 190 / 192 mm

Motorisation
Mains 230 V

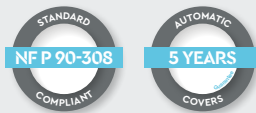
Safety fastener



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BWT AQUADECK® ES

Motorised, runs off the solar energy

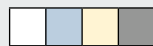


- Superb operating autonomy (30 cycles without the sun)
- Not wired-in
- Economical, does not consume mains power
- Ecological, exploits a renewable energy source
- Fast installation

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

Slat colour



Mechanical assembly
Anodised Aluminium
Ø 190 / 192 mm

Motorisation
Power supply: Solar

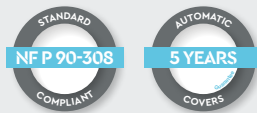
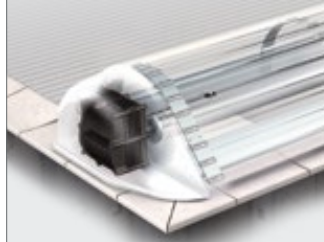
Safety fastener



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BWT IGLOO II®

An elegant design

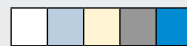


- Housing to protect the cover apron
- The housing structure is made of white, beige or grey PVC slats, 32 mm wide
- Casing on both ends to protect the bearing and the moto
- Very low lines

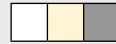
TECHNICAL DATA

Maximum dimensions (m)
12.00 × 6.09

Slat colour



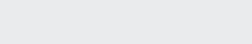
PVC housing slats



Mechanical assembly
Anodised Aluminium
Ø 150 mm

Motorisation
End of travel: Electronic
Mains 230 V

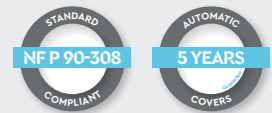
Safety fastener



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BWT THERMODECK®

A beautiful finish

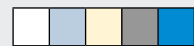


- The cover is protected while it is wound around the axle by close fitting slats that do not allow light to pass through
- Housing made of wooden slats (exotic or class IV treated pine) 23 mm thick or PVC slats (white, beige or grey) 32 mm thick
- Casing on both ends to protect the bearing and the motor

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 7.09

Slat colour



PVC or wooden housing slats



Mechanical assembly
Anodised Aluminium
Ø 150 / 180 mm

Motorisation
End of travel: Electronic
Mains 230 V

Safety fastener



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FASTLINE

FAST TRACKED PRODUCTION

AUTOMATIC COVERS

YOUR AUTOMATIC COVER IS
MANUFACTURED IN JUST 5
DAYS



VALID
YEAR ROUND



SIMPLIFY PLACEMENT OF
YOUR ORDERS USING
AQUASOFT



THE **FASTLINE** SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPi'S
PROFESSIONAL CLIENTS.

THIS SERVICE, WHICH IS AVAILABLE
YEAR ROUND,
ALLOWS PROFESSIONAL CLIENTS
TO OBTAIN A COVER WITHIN
A SHORT, GUARANTEED LEAD TIME.

NON-STANDARD DUCKBOARDING CANNOT BE
ORDERED VIA FASTLINE



LEAD TIME

FASTLINE automatic covers D+5, for auto-
matic covers less than 6 meters wide and
their options and accessories

*The manufacturing lead time starts on D day, the day
that Procopi receives the order from its profes-
sional client for a cover that may be manufactured as
described.*

*The manufacturing lead time is expressed in working
days, departure from our factory.*

TARIF

For the Fastline service
the professional client
will be invoiced a
surcharge equal to +10%



Fastline service terms and conditions are available on procopi.com.

Above-ground automatic covers

Sample prices for rectangular pools

BWT EVODECK® EM



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery.

BWT AQUADECK® EM



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery.

BWT AQUADECK® EC



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery.

BWT IGLOO® II



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Igloo II housing in white PVC. Excluding cost of delivery.

ORDER A COVER IN 5 STEPS

Example Evodeck EM – Rectangular pool 8x4 m, with roman steps

1	Choose the colour of the slats Code : 32000300	Slats surface area = $8 \times 4 = 32 \text{ m}^2$ / Slat cover price : $32 \text{ m}^2 \times 53.50 \text{ €} = 1,712.00 \text{ €}$
2	Choose steps (optional) Code : 32103300	Price for the roman steps < 3.10 m wide = 462.00 € with a stepped finish (welded plugs)
3	Choose the DeltaLock fastening system Code : 32800300	4 DeltaLock fasteners x 28.00 € = 112.00 €
4	Choose the mechanical assembly Code : 38201300	Evodeck EM mechanical assembly < 4.10 m wide = 1,673.00 €
5	Add the cost of delivery/pick-up, net Price exVAT Code : 32900100	Cost of delivery, large truck, cover < 4.10 m wide = 438.00 €

BWT EVODECK® EC*



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery. * supplement for model with ends of travel.

BWT AQUADECK® EB



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery.

BWT AQUADECK® ES



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. Excluding cost of delivery.

BWT THERMODECK®



Pool dimensions	Price
7.00 m x 3.00 m*	
8.00 m x 4.00 m*	
9.00 m x 4.00 m*	
10.00 m x 5.00 m**	
11.00 m x 5.00 m**	
12.00 m x 6.00 m**	

Complete mechanical assembly. White slat cover, without steps, with Lock fasteners. Class IV pine Thermodeck housing. Excluding cost of delivery. *Small housing **Large housing.

AUTOMATIC COVERS ABOVE-GROUND

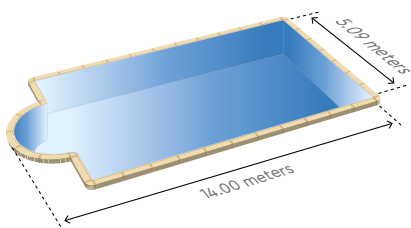
BWT EVODECK® EM 

Family 6900



Advantages:

- Moving toward a motorised solution.
- Fast installation.
- Easy maintenance.
- Complies with French safety standards in effect NF P 90-308.
- Can be rolled up and rolled out effortlessly using a wireless drill (not supplied).



Maximum Dimensions:

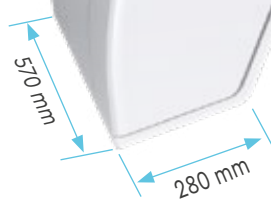
Maximum dimensions of an Evodeck cover EM cover are 5.09 × 14.00 meters

Adjustable, fibreglass reinforced polymer end stand.

Stainless steel coupling

Axle height 300 mm

UV stabilised ABS PMMA casing



Reduction gear integrated into the stand. Actuated using a wireless screw driver (not supplied).

ORDER YOUR COVER IN JUST **5 STEPS**

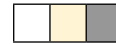
Mechanical assembly

- Complete axle made of anodised aluminium, Ø 150 mm, length depends on the pool width.
- Stainless steel drive shaft.
- 1 reduction gear integrated into the stand. Activated using a wireless drill (not provided).
- 2 fibreglass reinforced polymer stands, height adjustable.

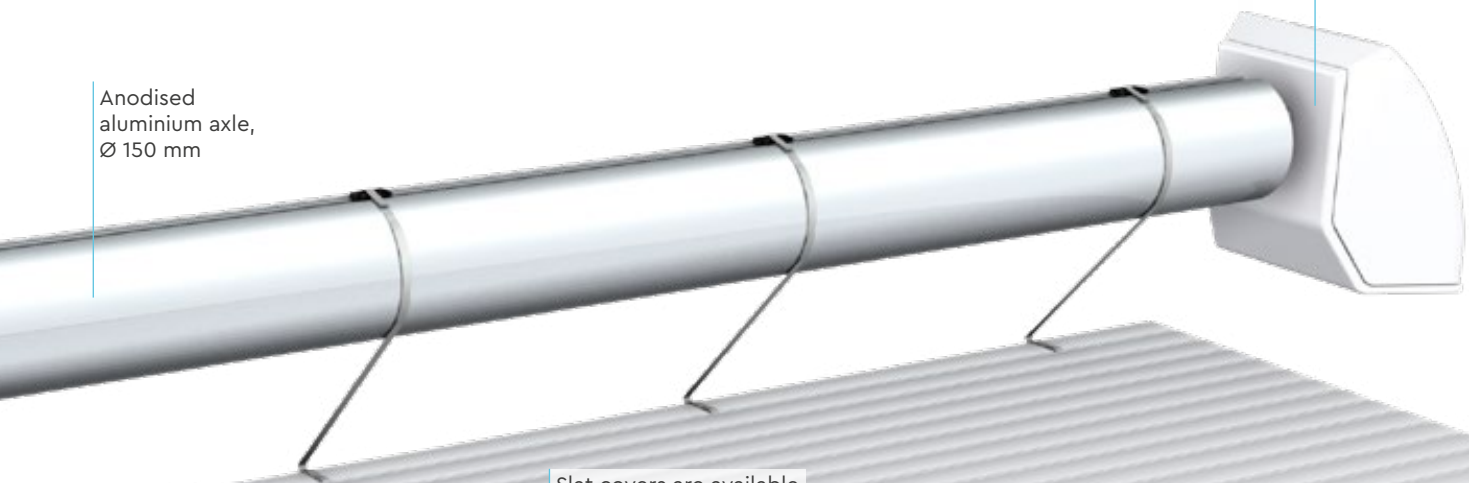
Evodeck EC	White PVC		Beige PVC		Grey PVC	
	Code	Price	Code	Price	Code	Price
Evodeck EM mechanical assembly, for pools less than 3.10 m wide	38200300		38200500		38200800	
Evodeck EM mechanical assembly, for pools less than 4.10 m wide	38201300		38201500		38201800	
Evodeck EM mechanical assembly, for pools less than 5.10 m wide	38203300		38203500		38203800	
Upgrade Evodeck EM to Evodeck EC without ends of travel	38279300		38279500		38279800	
Upgrade Evodeck EM to Evodeck EC with ends of travel	38279301		38279501		38279801	



Evodeck EM casing and stand, available in 3 colour



Anodised aluminium axle, Ø 150 mm



Slat covers are available in 4 colours



1

Choose the colour of the slats

2

Choose steps

3

Choose the fastening system

4

Choose the mechanical assembly

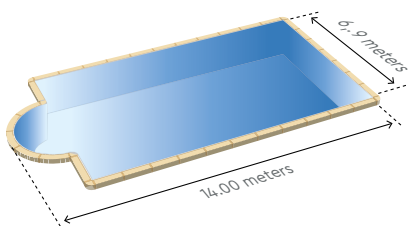
5

Add the cost of pick-up/ delivery



Advantages

- One single electrical connection.
- Fast installation.
- No motor in the axle.
- The motor can be removed and the cover wound up using a wireless drill (not provided).
- Complies with the French standard in effect, NF P 90-308.



Maximum Dimensions:

The maximum dimensions of an Evodeck EC, are 6.09 × 14.00 meters

250 Nm reduction motor integrated into the stand, versions with and without ends of travel are available

Fibreglass reinforced polymer stands, height adjustable

UV stabilised ABS PMMA casing

570 mm

570 mm

Stainless steel coupling

Axle height 300 mm

ORDER YOUR COVER IN JUST **5 STEPS**

Mechanical assembly

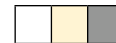
- Complete axle, made of anodised aluminium.
- Stainless steel couplings.
- 1 250 Nm reduction geared motor integrated into the stand, removable, may be equipped with ends of travel.
- 2 fibreglass reinforced polymer stands, height adjustable.
- 1 control panel (key switch integrated into one of the stands).



Evodeck EC	White PVC		Beige PVC		Grey PVC	
	Code	Price	Code	Price	Code	Price
Without ends of travel						
Evodeck EC mechanical assembly, width less than 3.10 m	38220300		38220500		38220800	
Evodeck EC mechanical assembly, width less than 4.10 m	38221300		38221500		38221800	
Evodeck EC mechanical assembly, width less than 5.10 m	38223300		38223500		38223800	
Evodeck EC mechanical assembly, width less than 6.10 m	38225300		38225500		38225800	
With ends of travel						
Evodeck EC mechanical assembly, width less than 3.10 m	38220301		38220501		38220801	
Evodeck EC mechanical assembly, width less than 4.10 m	38221301		38221501		38221801	
Evodeck EC mechanical assembly, width less than 5.10 m	38223301		38223501		38223801	
Evodeck EC mechanical assembly, width less than 6.10 m	38225301		38225501		38225801	



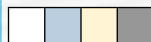
Evodeck EC casings are available in 3 colours



Anodised aluminium axle, Ø 150 mm



Slat covers are available in 4 colours



AUTOMATIC COVERS

1

Choose the colour of the slats

2

Choose the steps

3

Choose the fastening system

4

Choose the mechanical assembly

5

Add the cost of pick-up/ delivery

AUTOMATIC COVERS ABOVE GROUND

BWT AQUADECK® EM 

Family 6900

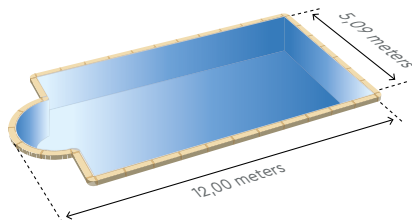


+ The Aquadeck EM is a rigid slat cover that can be rolled up and rolled out by hand using a removable flywheel. Aquadeck EM is a reliable simple and cost effective way to protect a pool with a PVC slat cover that complies with French safety standards.



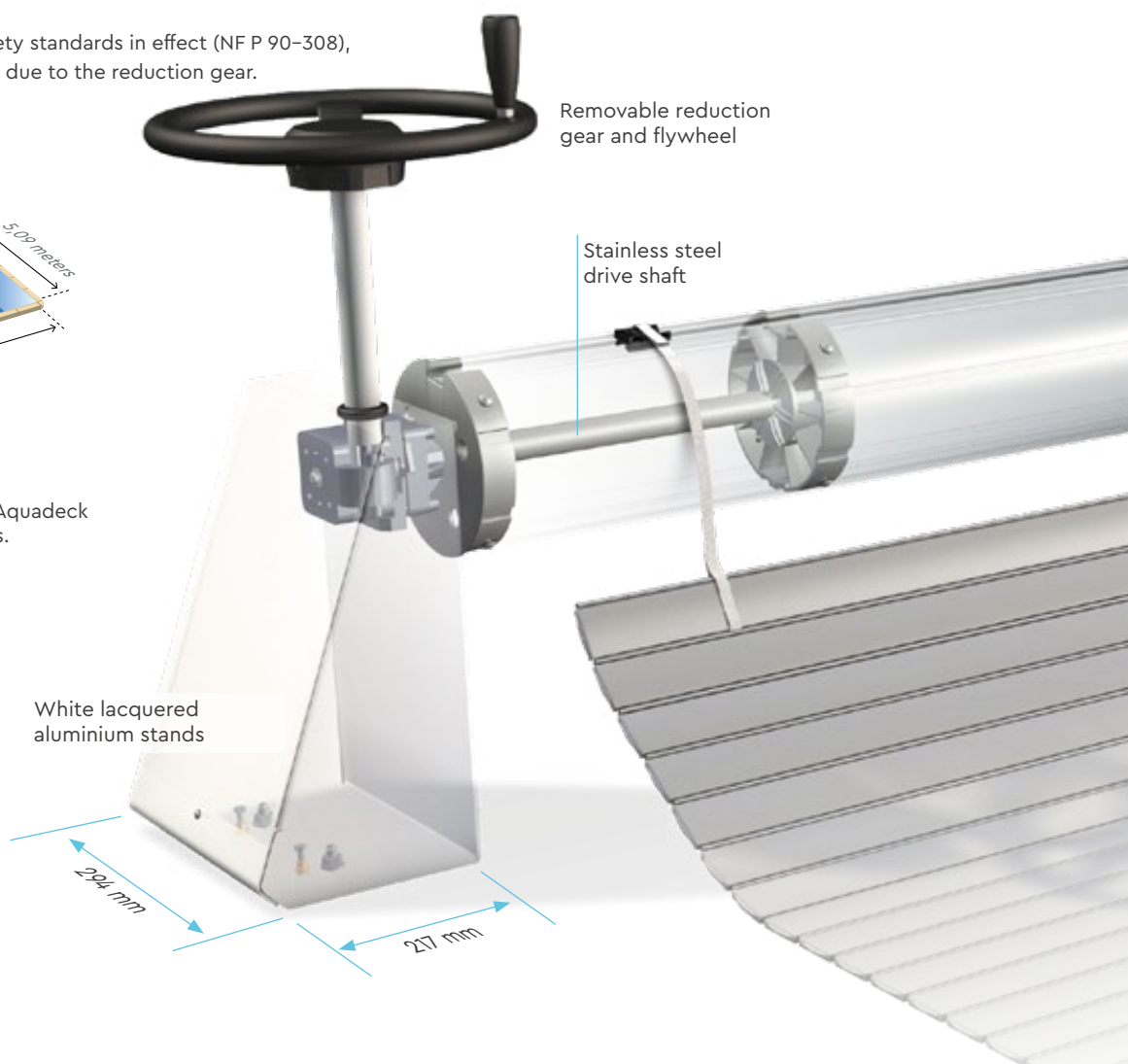
Advantages:

- No electrical wiring required,
- Rapid installation,
- Very attractive prices,
- Complies with the French safety standards in effect (NF P 90-308),
- Effortless rolling and unrolling due to the reduction gear.



Maximum Dimensions:

The maximum dimensions of an Aquadeck EM cover are 5.09 × 12.00 meters.

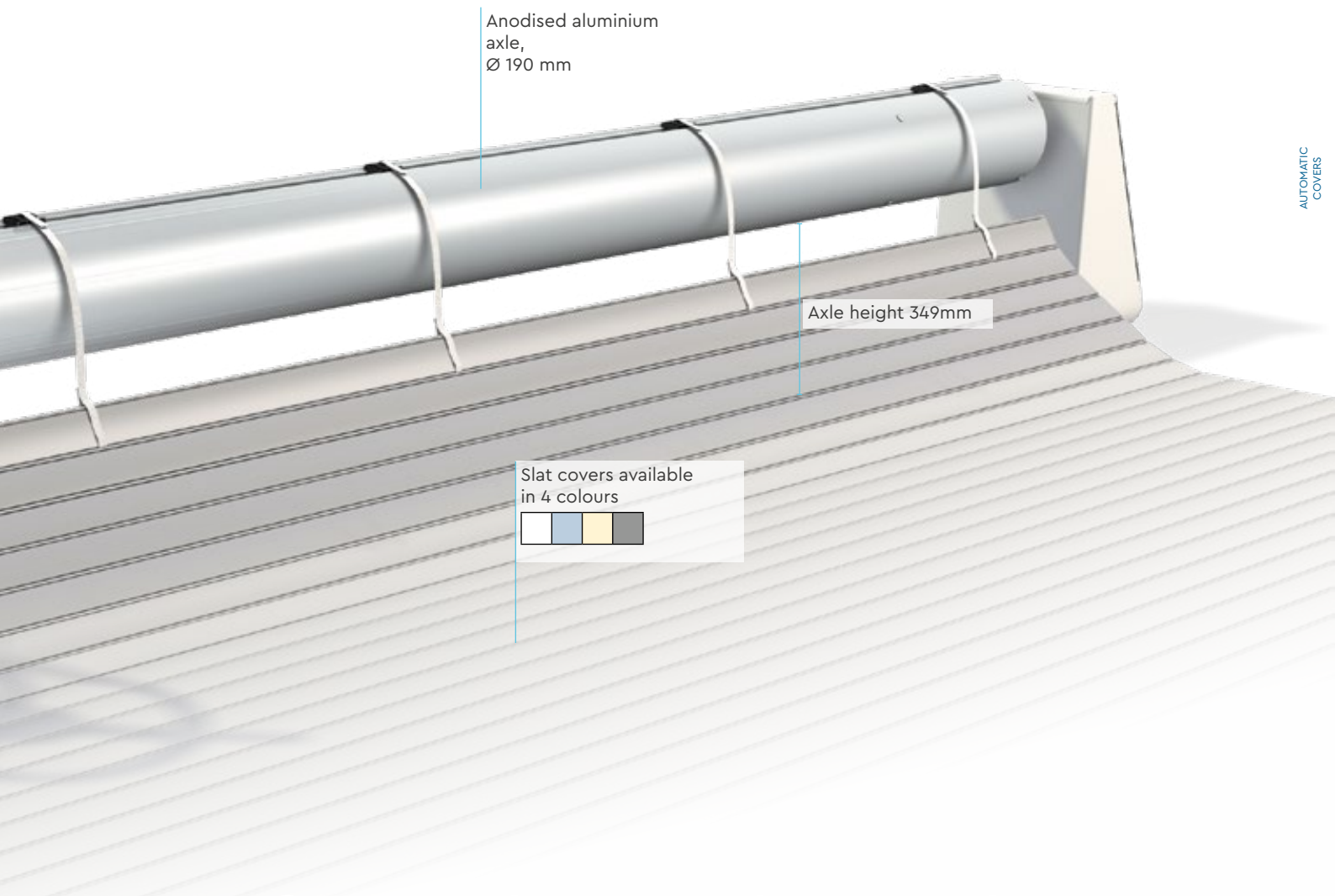


ORDER YOUR COVER IN JUST **5 STEPS**

MECHANICAL ASSEMBLY

- 2 white lacquered end support plates.
- 1 Anodised aluminium axle, Ø 190 mm.
- Stainless steel drive shafts.
- Reduction gear and removable flywheel.

Code	Description	Price
34200000	Aquadeck EM mechanical assembly, for pools less than 3.10 m wide	
34200100	Aquadeck EM mechanical assembly, for pools less than 4.10 m wide	
34200300	Aquadeck EM mechanical assembly, for pools less than 5.10 m wide	



AUTOMATIC COVERS

1

Choose the colour of the slats

2

Choose steps

3

Choose the fastening system

4

Choose the mechanical assembly

5

Add the cost of pick-up/ delivery

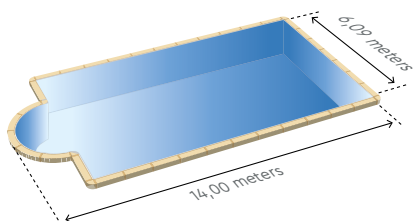


+ The Aquadeck EB is a motorised automatic cover that does not require any cabling or running of wires. Thanks to its battery and charger system, installation of the innovative and reliable Aquadeck EB cover couldn't be easier. No major masonry work is required and damage to existing structures is minimal. It is the ideal solution for clients searching for an automatic cover to be retrofitted to an existing pool.



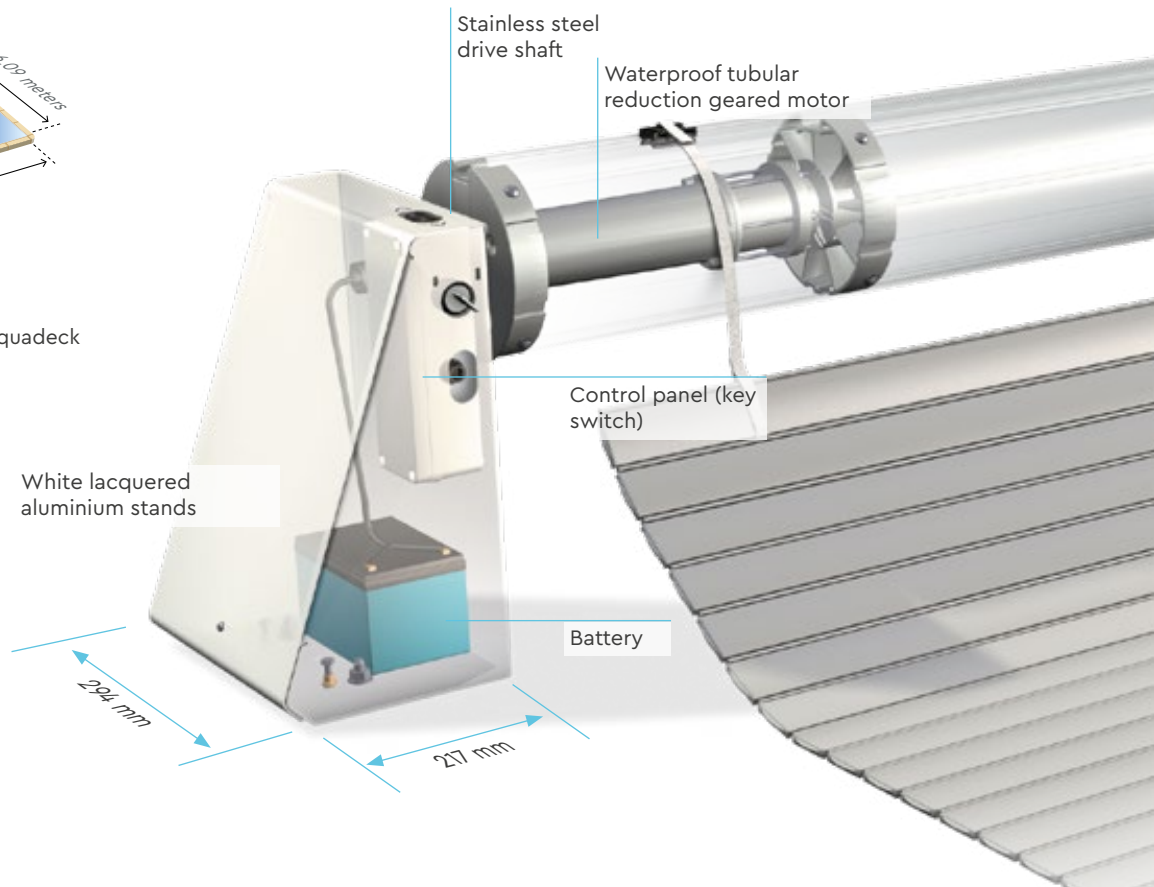
Advantages

- No electrical wiring required.
- Superb operating autonomy (30 cycles).
- Time taken to roll up a cover on a 10 × 5 m pool, less than 2 minutes.
- Delivered with a waterproof charger.
- Low battery warning (buzzer).
- Rapid installation.
- Slat cover opened and closed with a push button.
- Complies with French safety standards in effect (NF P 90-308).
- Attractive prices.



Maximum Dimensions:

The maximum dimensions of an Aquadeck EB cover are 6.09 × 14.00 meters.



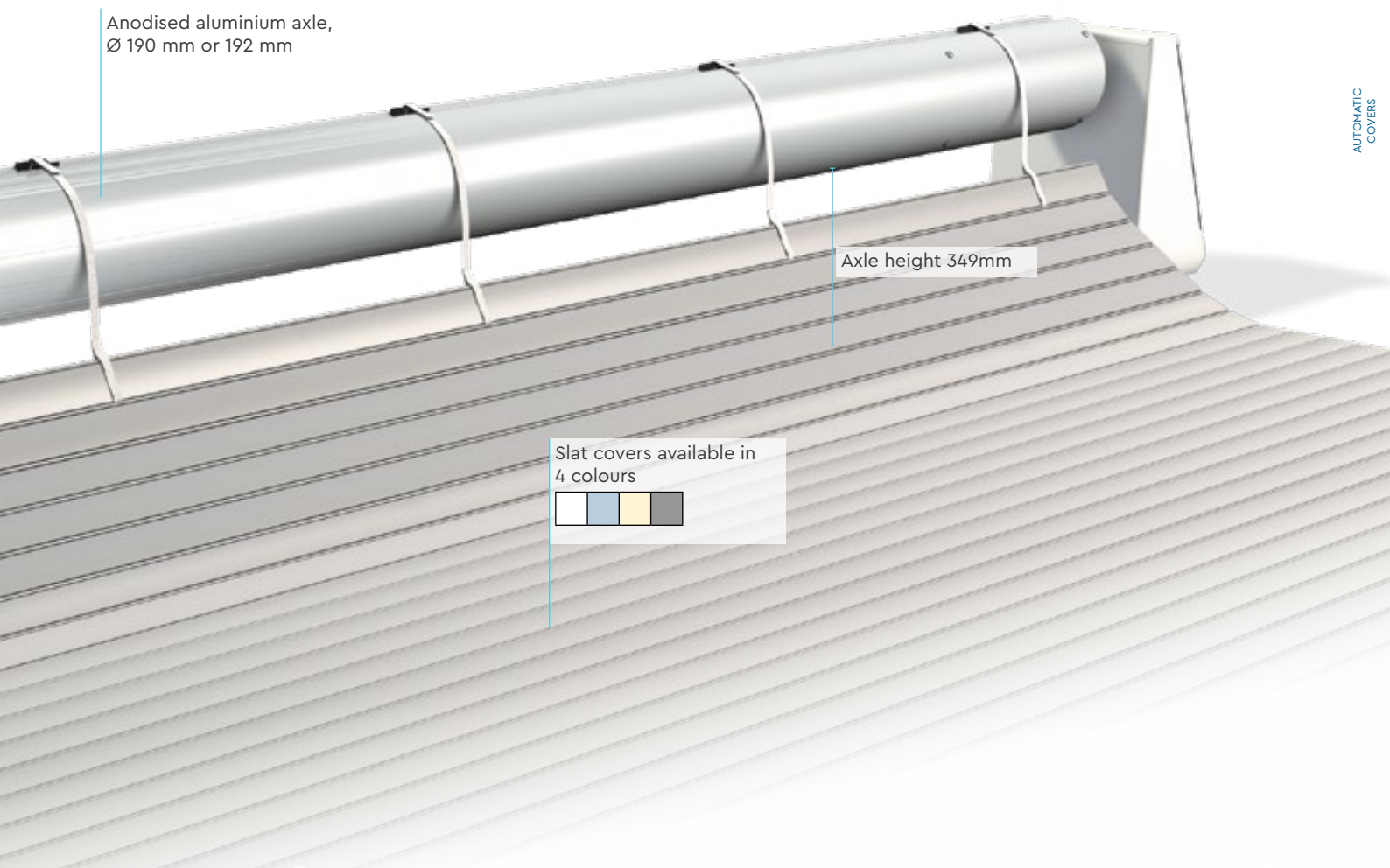
ORDER YOUR COVER IN JUST 5 STEPS

Mechanical assembly

- 2 White lacquered end support plates,
- 1 Aluminium axle, Ø 190 mm or 192 mm, depending on the pool width,
- Stainless steel drive shafts,
- 1 Waterproof tubular geared motor,
- 1 Waterproof battery and charger,
- 1 Key switch



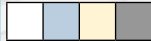
Code	Description	Price
34201000	Aquadeck EB mechanical assembly, for pools less than 3.10 m wide	
34201100	Aquadeck EB mechanical assembly, for pools less than 4.10 m wide	
34201300	Aquadeck EB mechanical assembly, for pools less than 5.10 m wide	
34201500	Aquadeck EB mechanical assembly, for pools less than 6.10 m wide	



Anodised aluminium axle,
Ø 190 mm or 192 mm

Axle height 349mm

Slat covers available in
4 colours



AUTOMATIC COVERS

1

Choose the colour
of the slats

2

Choose
steps

3

Choose the
fastening system

4

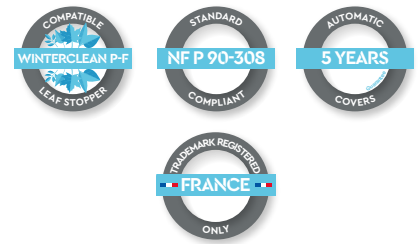
Choose the
mechanical
assembly

5

Add the cost of
pick-up/ delivery

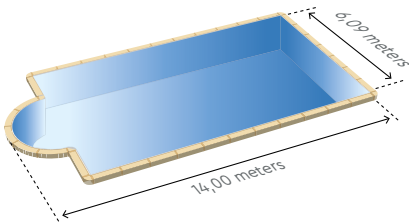


+ Aquadeck EC is a motorised automatic cover that runs off the mains. The electrical panel is installed in the plant room. Simple and reliable, Aquadeck EC is the ideal choice for pools under construction while it is still possible to run wires and carry out the necessary cabling.

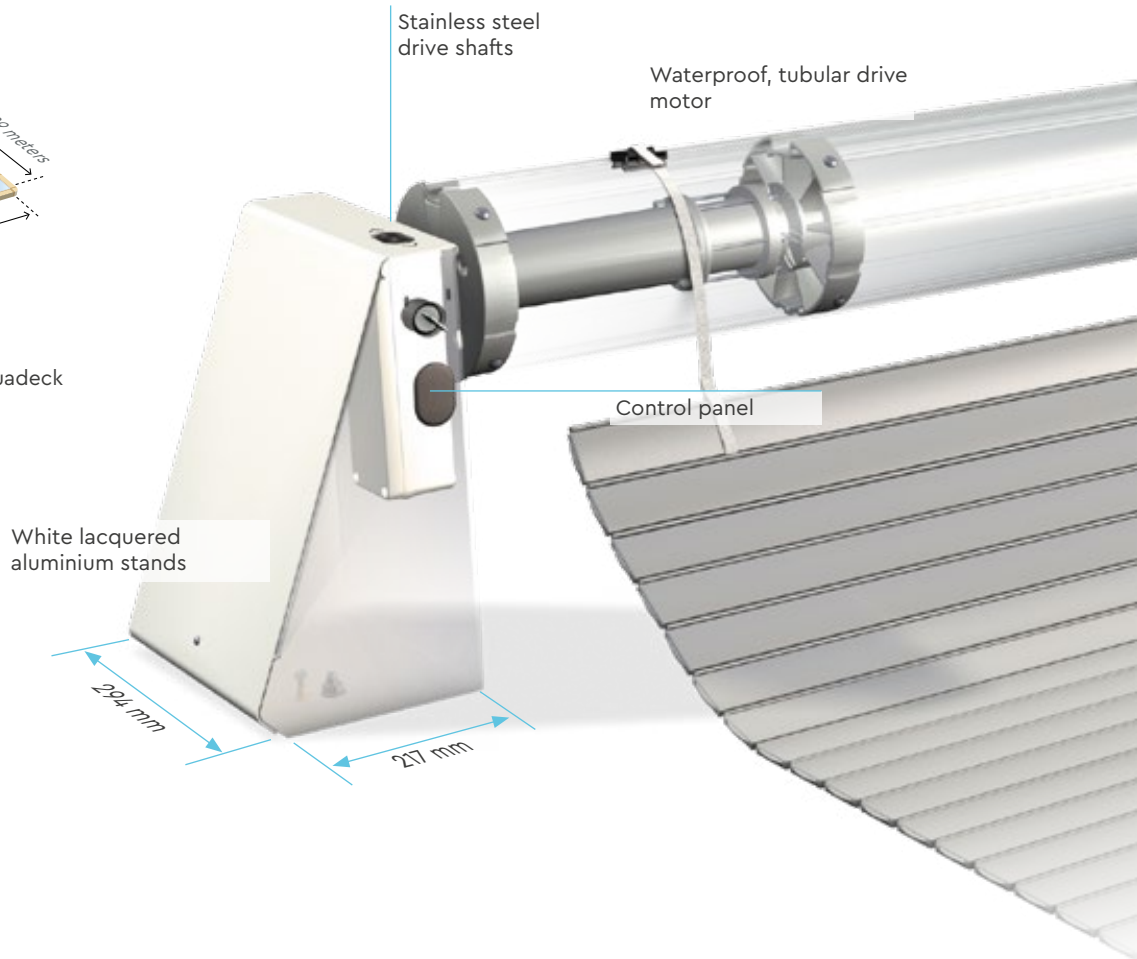


Advantages

- Runs off a 230V-50 Hz mains.
- Rapid installation.
- Time taken to roll up a cover on a 10 × 5 m pool, less than 2 minutes.
- Delivered with a control panel.
- Complies with French safety standards in effect (NF P 90-308).
- Very attractive prices.



Maximum Dimensions:
The maximum dimensions of an Aquadeck EC cover are 6.09 × 14.00 meters.



ORDER YOUR COVER IN JUST 5 STEPS

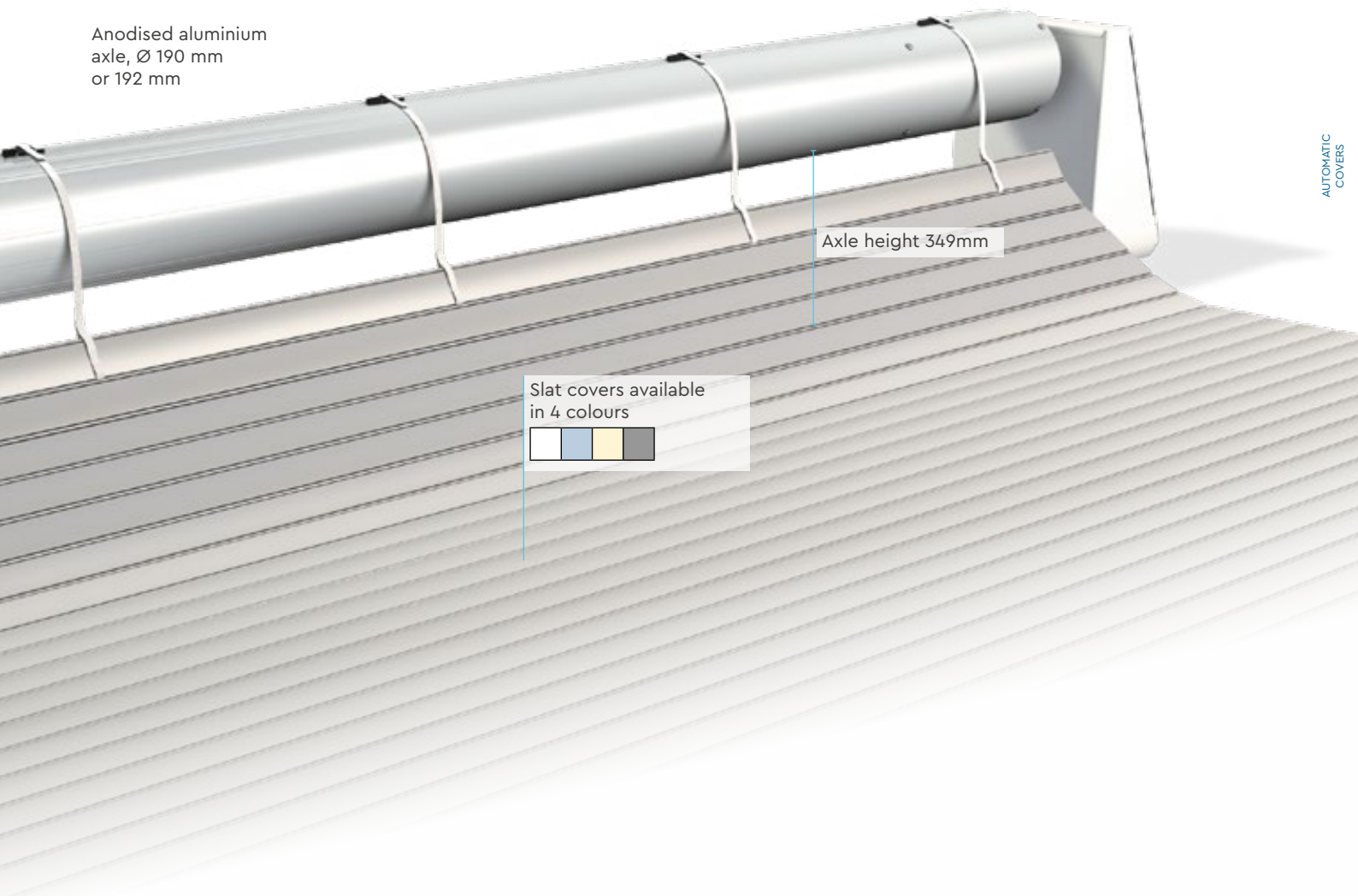
Mechanical assembly:

- 2 White lacquered end support plates.
- 1 Aluminium axle, Ø 190 mm or 192 mm, depending on the pool width.
- Stainless steel drive shafts.
- 1 Waterproof tubular geared motor.
- 1 Control panel with transformer, 12V.
- 1 Key switch



Code	Description	Price
34202000	Aquadeck EC mechanical assembly, for pools less than 3.10 m wide	
34202100	Aquadeck EC mechanical assembly, for pools less than 4.10 m wide	
34202300	Aquadeck EC mechanical assembly, for pools less than 5.10 m wide	
34202500	Aquadeck EC mechanical assembly, for pools less than 6.10 m wide	

Anodised aluminium axle, Ø 190 mm or 192 mm



AUTOMATIC COVERS

1

Choose the colour of the slats

2

Choose steps

3

Choose the fastening system

4

Choose the mechanical assembly

5

Add the cost of pick-up/ delivery

AUTOMATIC COVERS ABOVE-GROUND

BWT AQUADECK® ES 

Family 6900

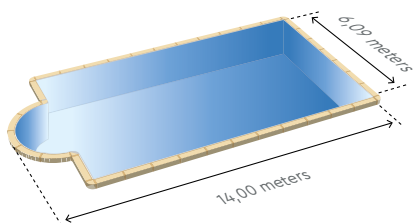


+ The Aquadeck ES cover is entirely autonomous, quick to install and easy to use. It is suitable for pools under construction and for retrofitting to existing pools. Economic and ecological, the battery is recharged by solar energy. Autonomy is excellent (30 full cycles with a charged battery).



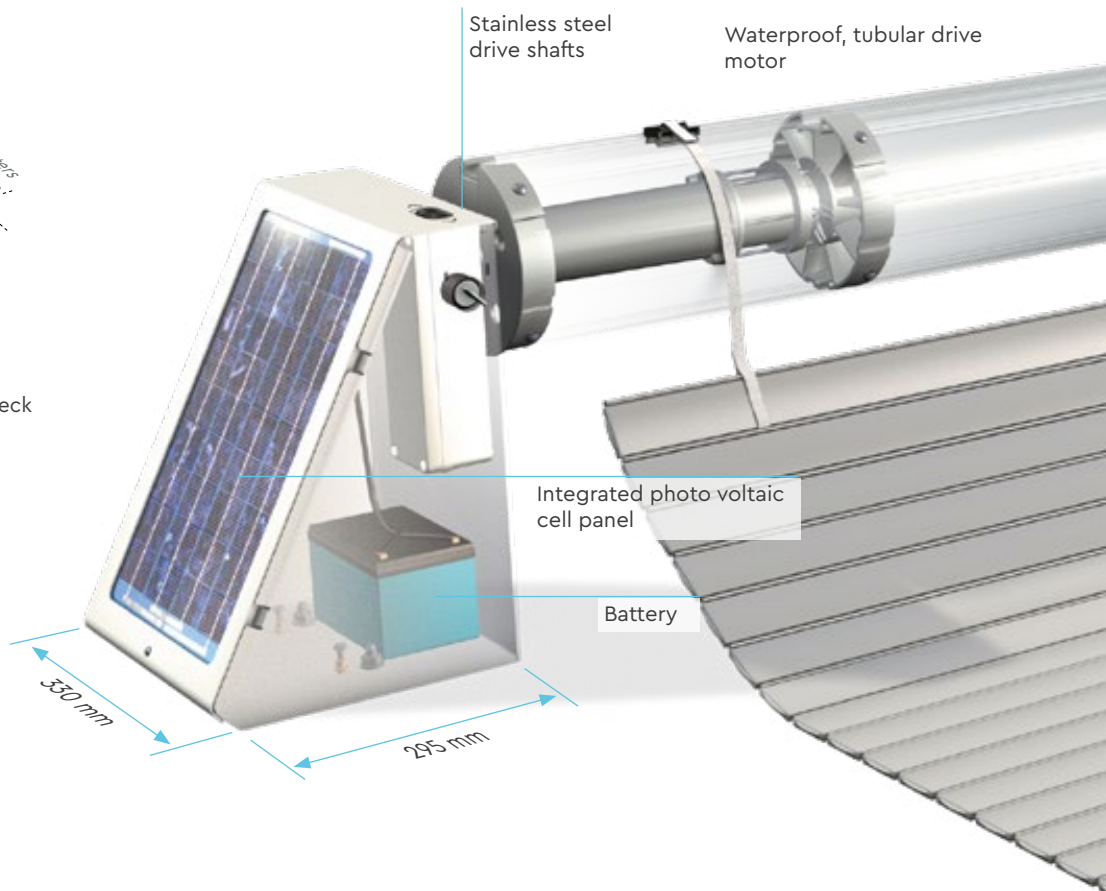
Advantages:

- Superb operating autonomy (30 cycles without the sun with a complete charge).
- No electrical wiring required.
- Economical, does not consume mains power.
- Ecological, exploits a renewable energy source.
- Rapid installation.
- Complies with French safety standards in effect (NF P 90-308).
- Very attractive prices.



Maximum Dimensions:

The maximum dimensions of an Aquadeck ES are 6.09 × 14.00 meters.



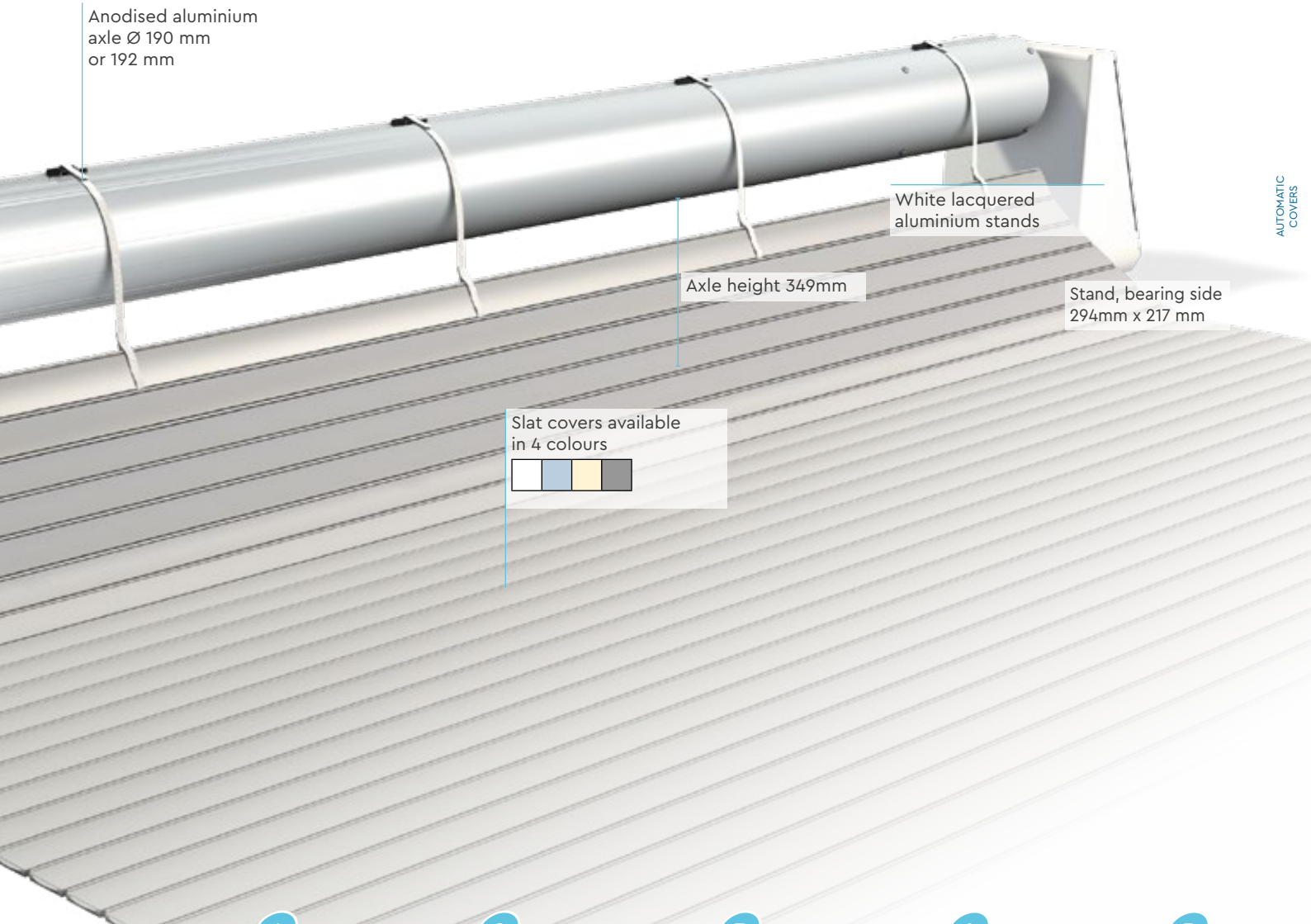
ORDER YOUR COVER IN JUST **5 STEPS**

Mechanical assembly:

- 2 White lacquered end support plates.
- 1 Aluminium axle, Ø 190 mm or 192 mm, depending on the pool width.
- Stainless steel drive shafts.
- 1 Waterproof tubular geared motor.
- 1 Solar cell panel and control panel (key switch).
- 1 Battery.



Code	Description	Price
34203000	Aquadeck ES mechanical assembly, for pools less than 3.10 m wide	
34203100	Aquadeck ES mechanical assembly, for pools less than 4.10 m wide	
34203300	Aquadeck ES mechanical assembly, for pools less than 5.10 m wide	
34203500	Aquadeck ES mechanical assembly, for pools less than 6.10 m wide	



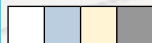
Anodised aluminium axle Ø 190 mm or 192 mm

White lacquered aluminium stands

Axle height 349mm

Stand, bearing side 294mm x 217 mm

Slat covers available in 4 colours



AUTOMATIC COVERS

1

Choose the colour of the slats

2

Choose steps

3

Choose the fastening system

4

Choose the mechanical assembly

5

Add the cost of pick-up/ delivery

AUTOMATIC COVERS ABOVE-GROUND

BWT IGLOO II® 

Family 6900



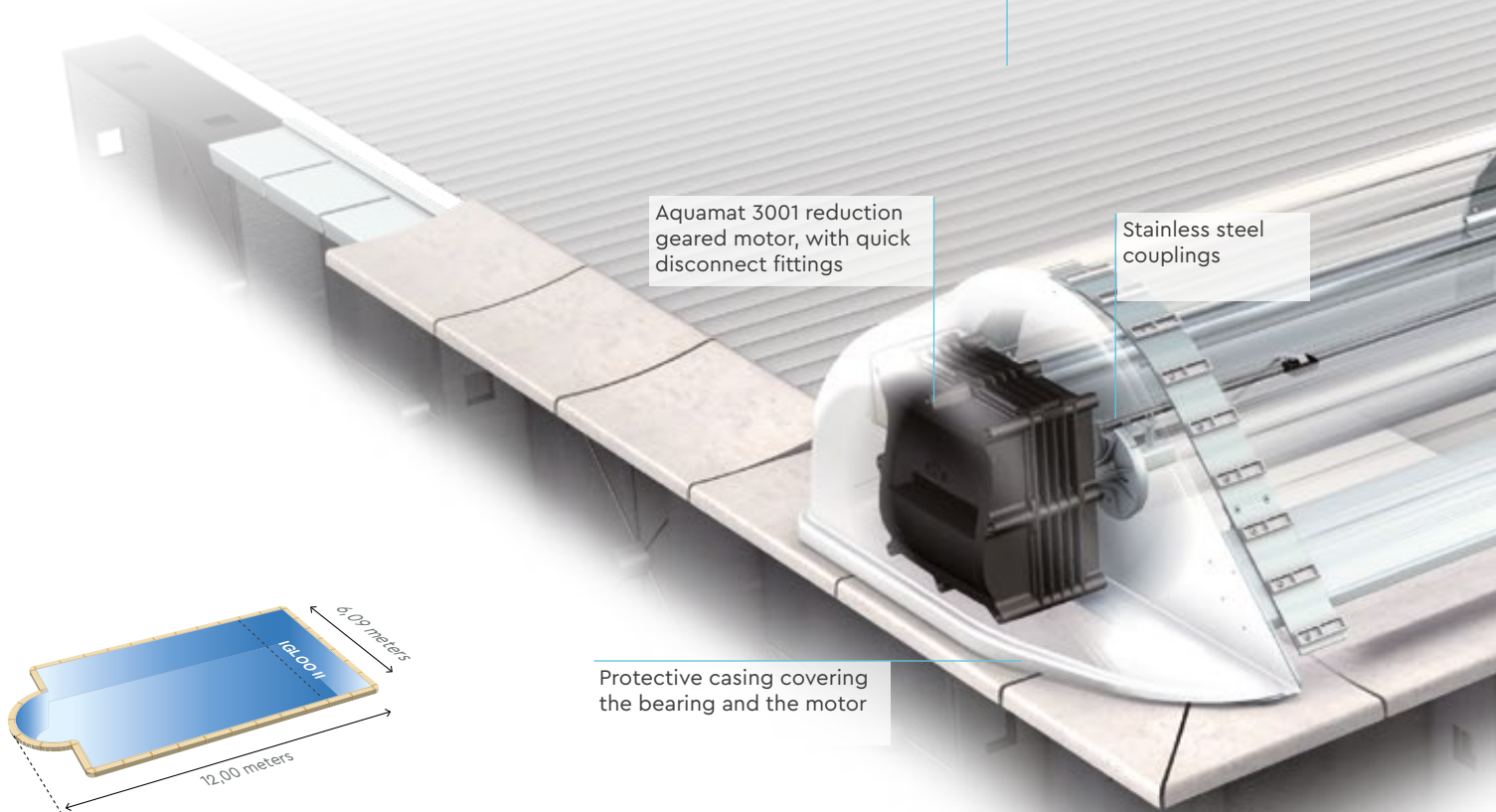
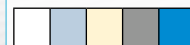
+ Igloo II is an above-ground automatic cover housed in a strong, robust, anti-UV treated PVC structure that can be seamlessly integrated into the pool environment. Igloo II top quality covers are both hard wearing and visually appealing.



Advantages

- Housing to protect the cover apron.
- The housing structure is made of white, beige or grey PVC slats, 32 mm wide.
- Lateral protective covers for the bearing and motor.
- Complies with French safety standards in effect (NF P 90-308).

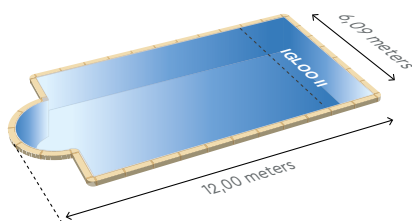
Slat covers available in 5 colours



Aquamat 3001 reduction geared motor, with quick disconnect fittings

Stainless steel couplings

Protective casing covering the bearing and the motor



Maximum Dimensions:
The maximum dimensions of an Igloo cover are 6.09 × 12.00 meters.

ORDER YOUR COVER IN JUST 5 STEPS

Mechanical assembly:

- PVC coated aluminium structure.
- The aluminium axle, Ø 150 mm.
- Stainless steel coupling.
- An Aquamat 3001 motor equipped with quick fit connectors.
- Control panel featuring electronic ends of travel.
- The key switch.

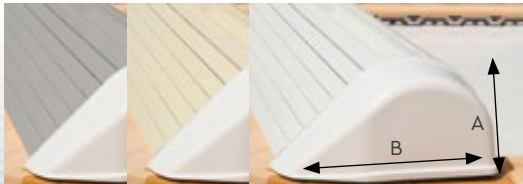


+



Radio control transmitters to replace, or be used in addition to, the key switch are listed on p. 229

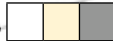
Igloo II housing	White PVC		Beige PVC		Grey PVC	
	Code	Price	Code	Price	Code	Price
Igloo II mechanical assembly, less than 3.10 m wide	35200300		35200500		35200800	
Igloo II mechanical assembly, less than 4.10 m wide	35201300		35201500		35201800	
Igloo II mechanical assembly, less than 5.10 m wide	35203300		35203500		35203800	
Igloo II mechanical assembly, less than 6.10 m wide	35205300		35205500		35205800	



Foot print of the mechanical assembly	
A	B
435 mm	910 mm

Aluminium axle Ø 150 mm

The aluminium structure, housed in UV stabilised, highly resistant PVC, available in 3 colours.



AUTOMATIC COVERS

1
Choose the colour of the slats

2
Choose the steps

3
Choose the fastening system

4
Choose the mechanical assembly

5
Add the cost of pick-up/ delivery



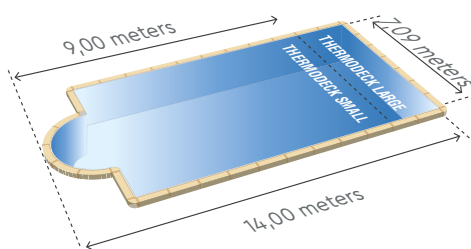
+ Thermodeck is an above-ground automatic cover housed in an anti-UV treated PVC or exotic wood structure that is sure to integrate seamlessly into any pool environment. Thermodeck is a top quality product that combines quality and beauty. Thermodeck comes in 2 versions, Small or Large, to adapt perfectly to the pool's proportions.



Advantages

- The housing protects the slat cover from sunlight when the cover is rolled up,
- Housing is made of exotic wood slats 23 mm thick or PVC slats in white or beige, 32 mm thick,
- Lateral protective covers for the bearing and motor,
- Complies with French safety standards in effect (NF P 90-308).

Aquamat 3001 reduction geared, with quick disconnect fittings

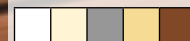


Maximum Dimensions:

The maximum dimensions of a Thermodeck Small cover are 7.09 × 9 meters and 7.09 × 14 meters for a Thermodeck Large cover

Stainless steel couplings

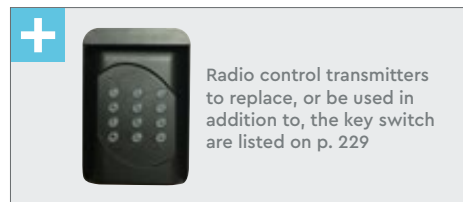
Aluminium structure, housed in PVC or wood



ORDER YOUR COVER IN JUST **5 STEPS**

Mechanical assembly:

- Aluminium structure, housed in PVC or wood.
- The complete axle, made of aluminium, Ø 150 mm or 180 mm depending on the pool width,
- Couplings in stainless steel,
- An Aquamat 3001 motor equipped with quick fit connectors,
- Control panel featuring electronic end of travel controls.



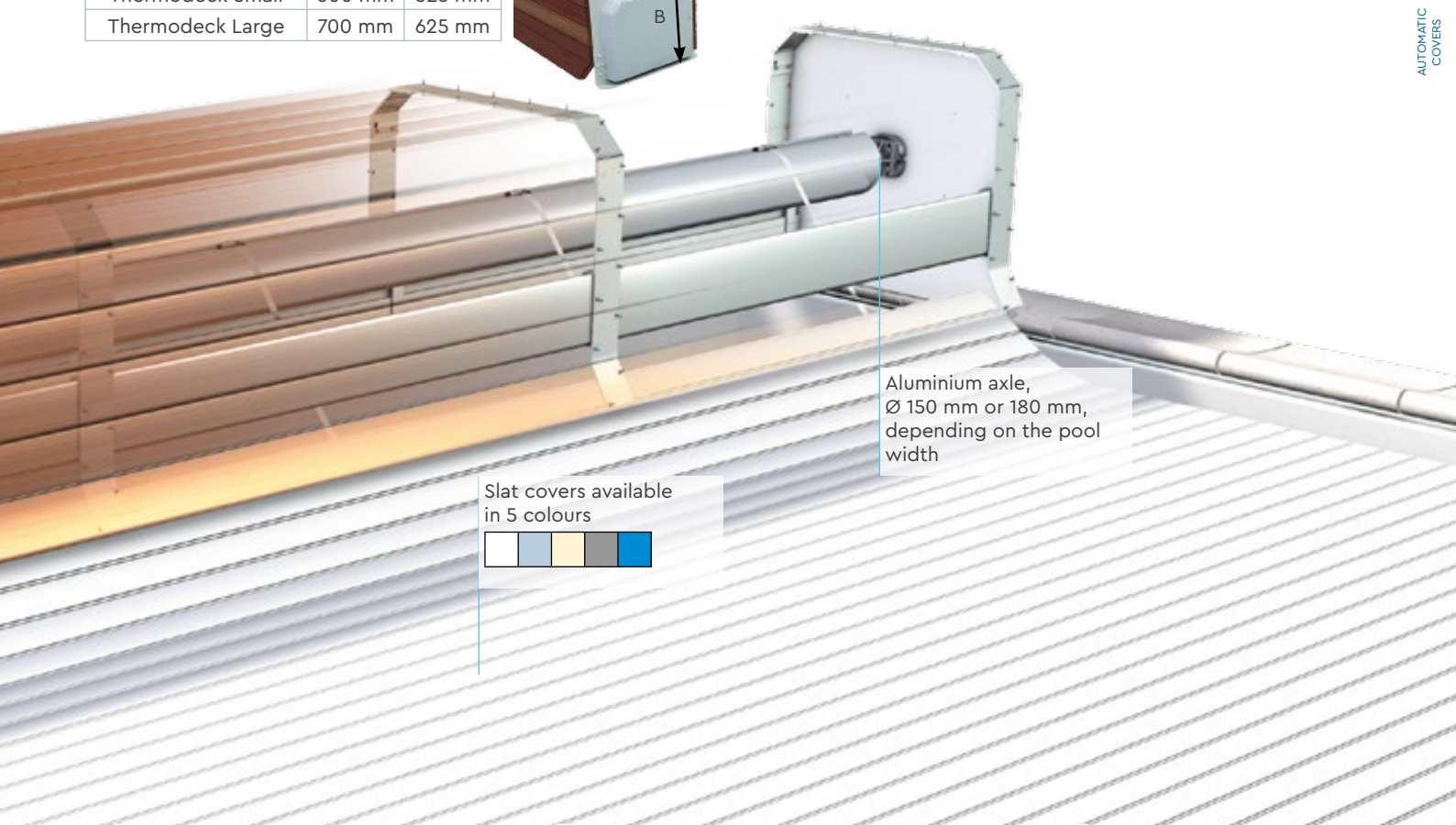
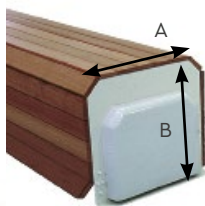
Thermodeck housing Small

	White PVC		Beige PVC		Grey PVC		Exotic wood		Class IV pine	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Width < 3.10 m	36230300		36230500		36230800		36210600		36220600	
Width < 4.10 m	36231300		36231500		36231800		36211600		36221600	
Width < 5.10 m	36233300		36233500		36233800		36213600		36223600	

Thermodeck housing Large

Width < 3.10 m	37230300		37230500		37230800		37210600		37220600	
Width < 4.10 m	37231300		37231500		37231800		37211600		37221600	
Width < 5.10 m	37233300		37233500		37233800		37213600		37223600	
Width < 6.10 m	37235300		37235500		37235800		37215600		37225600	
Width < 7.10 m	37236300		37236500		37236800		37216600		37226600	

Foot print of the mechanical assembly	A	B
Thermodeck Small	600 mm	525 mm
Thermodeck Large	700 mm	625 mm



Aluminium axle, Ø 150 mm or 180 mm, depending on the pool width

Slat covers available in 5 colours



1

Choose the colour of the slats

2

Choose steps

3

Choose the fastening system

4

Choose the mechanical assembly

5

Add the cost of pick-up/ delivery



FASTLINE

FAST TRACKED PRODUCTION

AUTOMATIC COVERS

YOUR AUTOMATIC COVER IS
MANUFACTURED IN JUST 5
DAYS



VALID
YEAR ROUND



**SIMPLIFY PLACEMENT OF
YOUR ORDERS USING
AQUASOFT**



THE **FASTLINE** SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPi'S
PROFESSIONAL CLIENTS.

THIS SERVICE, WHICH IS AVAILABLE
YEAR ROUND,
ALLOWS PROFESSIONAL CLIENTS
TO OBTAIN A COVER WITHIN
A SHORT, GUARANTEED LEAD TIME.

NON-STANDARD DUCKBOARDING CANNOT BE
ORDERED VIA FASTLINE



LEAD TIME

FASTLINE automatic covers D+5, for auto-
matic covers less than 6 meters wide and
their options and accessories

*The manufacturing lead time starts on D day, the day
that Procopi receives the order from its profes-
sional client for a cover that may be manufactured as
described.*

*The manufacturing lead time is expressed in working
days, departure from our factory.*

TARIF

For the Fastline service
the professional client
will be invoiced a
surcharge equal to +10%



Fastline service terms and conditions are available on procopi.com.

Submerged automatic covers

BWT COVERDECK

Discreet, beautifully designed

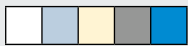


- Designed for retrofitting to existing pools,
- Motor above the water level.
- No dry motor pit required.
- Flanges mounted without piercing the pool waterproofing,
- Patented system,
- Visually appealing.

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

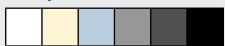
Slat apron



Duckboarding PVC or wood



Lacquered aluminium beam



Axle

Anodised aluminium
Ø 190/192 mm

Motorisation

End of travel: Electronic
Powered by 230 V mains

Coverdeck pit wall

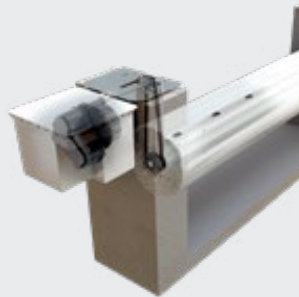


DeltaLock safety fastener



BWT REVODECK

Protects beautiful pools

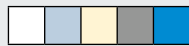


- May be installed on high water level pools,
- No dry motor pit required,
- Removable motor, allows the pool to be secured in the event of a power outage
- Easy to install, simple to maintain,
- Flanges are mounted without piercing the pool waterproofing

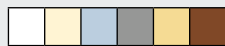
TECHNICAL DATA

Maximum dimensions (m)
14.00 × 6.09

Slat apron



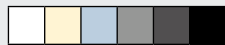
Duckboarding PVC or wood



High water level bracket

680/830/950

Lacquered aluminium beam



Axle

Anodised aluminium
Ø 190/192 mm

Motorisation

End of travel: Electronic
Powered by 230 V mains

Stardeck and Stardeck High Water level

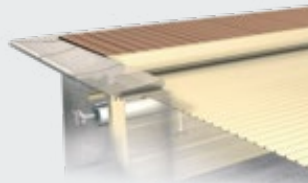


DeltaLock safety fastener



BWT STARDECK & STARDECK HIGH LEVEL

Beautiful design, and excellent technical performance

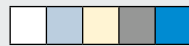


- Designed to be fitted on pools under construction,
- Motor installed in a dry pit,
- Stardeck is compatible with the patented Cleandeck system (patented motor attachment system, cleaning system and beam),
- Stardeck high water level pools (pools fitted with mirror skimmers)

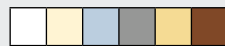
TECHNICAL DATA

Maximum dimensions (m)
25.00 × 12.09

Slat apron



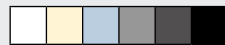
Duckboarding PVC or wood



High water level bracket

680/830/950

Lacquered aluminium beam



Axle

Anodised aluminium
Ø 150/180/250 mm

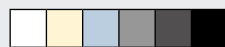
Motorisation

End of travel: Electronic
Powered by 230 V mains

Cleaning system

Cleandeck manifold - Max 6.09 m

Stardeck and Stardeck High Water level

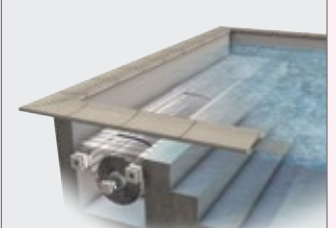


DeltaLock safety fastener



BWT STARDECK INÉO

Superb design

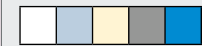


- Flawless finish,
- A range of configurations are possible,
- Saves space in the pool,
- A prefabricated pit wall can be adapted to pools fitted with Inéo covers.

TECHNICAL DATA

Maximum dimensions (m)
14.00 × 8.09

Slat apron



Duckboarding PVC or ready to tile



Lacquered aluminium beam



Axle

Anodised aluminium
Ø 150/180 mm

Motorisation

End of travel: Electronic
Powered by 230 V mains

Stardeck Inéo pit wall



DeltaLock safety fastener



SUBMERGED AUTOMATIC COVERS



©Simon Bourcier-Eden et eau



Submerged automatic covers

BWT COVERDECK®



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with DeltaLock fasteners. White beam with 1 pair of cement bedded mounting units. Excluding cost of delivery.

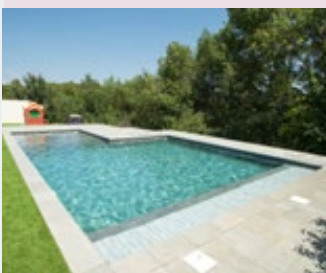
BWT STARDECK®



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. Throughwall flange and sealing plates. White slat cover, without steps, with DeltaLock high water level fasteners. Brackets and white finishing strips. Duckboarding in exotic wood 680x1000 mm. Excluding cost of delivery.

BWT STARDECK INÉO®



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
10.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. Configuration G (as per the description on page 218). Throughwall flanges and cement bedded bearings. White slat cover, without steps, with DeltaLock fasteners. Inéo beam mounting units. Excluding cost of delivery.

BWT REVODECK®



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. White slat cover, without steps, with Lock fasteners. White beam with 1 pair of cement bedded mounting units. Duckboarding in Class IV treated pine 680x500 mm. Excluding cost of delivery.

BWT STARDECK HIGH WATER LEVEL®



Pool dimensions	Price
7.00 m x 3.00 m	
8.00 m x 4.00 m	
9.00 m x 4.00 m	
10.00 m x 5.00 m	
11.00 m x 5.00 m	
12.00 m x 6.00 m	

Complete mechanical assembly. Throughwall flange and sealing plates. White slat cover, without steps, with DeltaLock high water level fasteners. Brackets and white finishing strips. Duckboarding in exotic wood 680x1000 mm. Excluding cost of delivery.

ORDER A COVERDECK COVER IN JUST 9 STEPS

Rectangular pool 8x4 m, with roman steps

1	Choose the colour of the slats Code : 32000300	Slats surface area = $8 \times 4 = 32 \text{ m}^2$ Slat cover price = $32 \text{ m}^2 \times 53.50 \text{ €} = 1,712.00 \text{ €}$
2	Choose steps (optional) Code : 32103300	Price for the roman steps < 3,10 m = 462.00 € with a stepped finish (welded plugs)
3	Choose the DeltaLock fastening system Code : 32800300	3 DeltaLock fasteners x 28.00 € = 84.00 €
4	Choose the mechanical assembly Code : 33200100	Coverdeck mechanical assembly <4.10 m wide = 4,810.00 €
5	Choose the beam Code : 33301300	Coverdeck beam < 4.10 m wide = 739.00 €
6	Select the pool fittings Code : 33530300	Pair of cement bedded beam support units = 178.20 €
7	Choose the duckboarding Code : 32420600	Class IV treated pine duckboarding, 680 x 500 mm 8 pieces of duckboarding x 115.00 € = 920.00 €
8	Choose the pit wall Code : 32601300	Coverdeck pit wall < 4.10 m wide and depth < 106 m = 620.00 €
9	Add the cost of delivery/pick-up, net Price exVAT Code : 32900100	Cost of delivery, large truck, cover < 4.10 m wide = 438.00 €

SUBMERGED AUTOMATIC COVERS

BWT COVERDECK® 

Family 6900



+ Coverdeck is an innovative automated cover that does not require a dry pit for the motor. The patented motor-drive system comprises a low power motor independent of the axle, a housed transmission and a planetary gear integrated into the axle. Coverdeck's mounting system is installed under the coping without any impact on pool waterproofing. The motor is easily accessible without any dismantling.

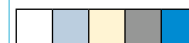


Except for PVC slat covers

ADVANTAGES:

- Designed for retrofitting to existing pools.
- Motor above the water level.
- No dry motor pit required.
- Flanges mounted without piercing the pool waterproofing.
- Patented system.
- Visually appealing.
- Complies with French safety standards in effect (NF P 90-308).

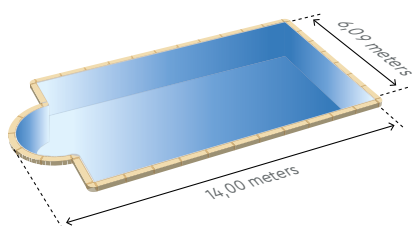
Cover slats available in 6 colours



Drive motor in a watertight casing to be built into the deck



Stainless steel shaft



Maximum dimensions:

The maximum dimensions of a Coverdeck cover are 6.09 × 14 meters.

ORDER YOUR COVER IN JUST **9 STEPS**

1 Choose the slat cover


2 Choose steps

3 Choose the fastening system

Mechanical assembly:

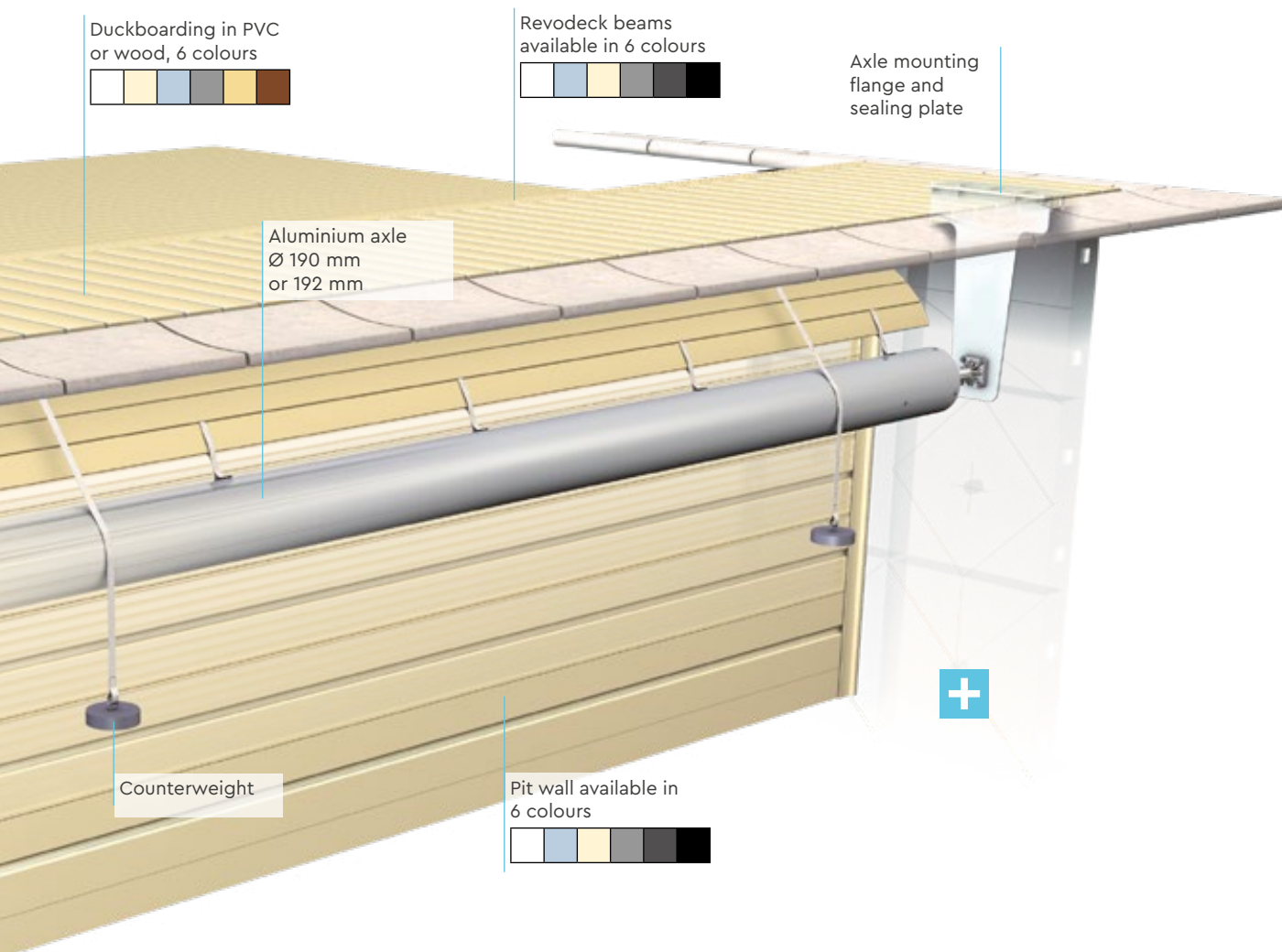
- 2 brackets to be sealed in.
- 2 Axle bearing end plates.
- 1 Aluminium axle.
- Stainless steel axle.
- 1 Planetary reduction gear.
- 1 Control panel featuring electronic end of travel controls.
- 3 counterweights.

+



Radio control transmitters to replace, or be used in addition to, the key switch are listed on p. 229

Code	Description	Price
33200000	Coverdeck mechanical assembly, for pools less than 3.10 m wide	
33200100	Coverdeck mechanical assembly, for pools less than 4.10 m wide	
33200300	Coverdeck mechanical assembly, for pools less than 5.10 m wide	
33200500	Coverdeck mechanical assembly, for pools less than 6.10 m wide	



AUTOMATIC COVERS

- 4
 - 5
 - 6
 - 7
 - 8
 - 9
- Choose the mechanical assembly**

Choose the beam

Choose the pool fittings

Choose the duckboarding

Choose the pit wall

Add the cost of pick-up/ delivery

SUBMERGED AUTOMATIC COVERS

BWT COVERDECK® BEAMS

Family 6900



+ Beams are sized for a coping overhang of 30 mm on either side of the pool. Beam dimensions are quoted taking a minimum coping overhang of 30 mm into consideration. If the coping overhang is less than 30 mm, the beam will be too . The distance between the coping noses must be 6.09-60 mm, that is 6.03 for a sample width of 6.09.

White		Light blue		Beige		Grey		Anthracite grey		Black	
Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Beam width < 3.10 m											
33300300		33300100		33300500		33300800		33300600		33300900	
Beam width < 4.10 m											
33301300		33301100		33301500		33301800		33301600		33301900	
Beam width < 5.10 m											
33303300		33303100		33303500		33303800		33303600		33303900	
Beam width < 6.10 m											
33305300		33305100		33305500		33305800		33305600		33305900	

The lacquered aluminium beams are 133 mm thick.

The beams are mounted on adjustable supports that allow the beam height to be adjusted to rest flush with the coping nose.

(*) Guarantee 2 years and on order

BWT COVERDECK POOL FITTINGS FOR BEAM ONLY (WITHOUT THE PIT WALL)

Family 6900

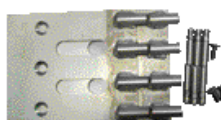


	White	Light blue	Beige	Grey	Anthracite grey	Black
Code	33530300	33530100	33530500	33530800	33530600	33530900
Price						

(*) Guarantee 2 years

BWT SUB-COPING SEALING PLATE FOR HIGH WATER LEVEL PIT WALL AND BEAM SUPPORTS

Family 6900



These sealing plates are used to mount the cover beams and separating pit wall.

Code	Description	Price
32819000	Sub-coping sealing plate for high water level pit wall	

BWT BEAM MOUNTING PARTS FOR COVERDECK PIT WALL AND BEAM SUPPORTS

Family 6900



	White	Light blue	Beige	Grey	Anthracite grey	Black
Code	33531300	33531100	33531500	33531800	33531600	33531900
Price						

(*) Guarantee 2 years

BWT COVERDECK DUCKBOARDING

Family 6900

		Light blue PVC		Beige PVC		Grey PVC		Exotic wood		Class IV pine		
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Standard duckboarding												
from 680 × 500 mm	32440300		32440100		32440500		32440800		32400600		32420600	
from 830 × 500 mm	32444300		32444100		32444500		32444800		32404600		32424600	
from 950 × 500 mm	32446300		32446100		32446500		32446800		32406600		32426600	
Non-standard duckboarding												
1050 mm max	32448300		32448100		32448500		32448800		32408600		32428600	


Duckboarding for Revodeck cover pits comes with wedges that allow the height of the duckboarding to be adjusted to the coping nose height (thickness 30, 40 or 55 mm).



Specially designed to bring pools into compliance with safety standards. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc.. The pool waterproofing is not pierced: The pit wall is mounted on plates sealed under the coping on both sides of the pool.

Components:

- 2 Coloured PVC reinforced lateral guide rails
- 1 Coloured top finishing strip, with an inner aluminium reinforcing bar,
- 1 Pit wall comprising coloured PVC panels, 40 mm thick, that are fitted together.

 Maximum pool height: 2 m

Sloped or flat bottom pool, depth less than:	1.06 m		1.30 m		1.55 m		> to 1.55 m	
	Code	Price	Code	Price	Code	Price	Code	Price
White								
Pit wall width < 3.10 m	33600300		33610300		33620300		33630300	
Pit wall width < 4.10 m	33601300		33611300		33621300		33631300	
Pit wall width < 5.10 m	33603300		33613300		33623300		33633300	
Pit wall width < 6.10 m	33605300		33615300		33625300		33635300	
Light blue								
Pit wall width < 3.10 m	33600100		33610100		33620100		33630100	
Pit wall width < 4.10 m	33601100		33611100		33621100		33631100	
Pit wall width < 5.10 m	33603100		33613100		33623100		33633100	
Pit wall width < 6.10 m	33605100		33615100		33625100		33635100	
Beige								
Pit wall width < 3.10 m	33600500		33610500		33620500		33630500	
Pit wall width < 4.10 m	33601500		33611500		33621500		33631500	
Pit wall width < 5.10 m	33603500		33613500		33623500		33633500	
Pit wall width < 6.10 m	33605500		33615500		33625500		33635500	
Grey								
Pit wall width < 3.10 m	33600800		33610800		33620800		33630800	
Pit wall width < 4.10 m	33601800		33611800		33621800		33631800	
Pit wall width < 5.10 m	33603800		33613800		33623800		33633800	
Pit wall width < 6.10 m	33605800		33615800		33625800		33635800	
Anthracite grey								
Pit wall width < 3.10 m	33600600		33610600		33620600		33630600	
Pit wall width < 4.10 m	33601600		33611600		33621600		33631600	
Pit wall width < 5.10 m	33603600		33613600		33623600		33633600	
Pit wall width < 6.10 m	33605600		33615600		33625600		33635600	
Black								
Pit wall width < 3.10 m	33600900		33610900		33620900		33630900	
Pit wall width < 4.10 m	33601900		33611900		33621900		33631900	
Pit wall width < 5.10 m	33603900		33613900		33623900		33633900	
Pit wall width < 6.10 m	33605900		33615900		33625900		33635900	

* The depth of the pool is measured from the top of the pool wall, under the coping at the point where the beam mounting units are installed.

SUBMERGED AUTOMATIC COVERS

BWT REVODECK® 

Family 6900



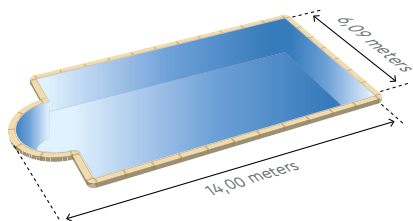
+ Revodeck offers an innovative, comprehensive solution. The patented motor drive system is comprised of an independent low consumption motor, a cowled transmission drive and a planet gear integrated into the axle. Revodeck is mounted under the coping, the waterproofing is not pierced. The drive motor can be easily accessed without any dismantling. To ensure end user safety, the motor can be easily removed either by the pool professional or by the user his/herself. Automatic covers can break down right in the middle of the high season, this is why the motors are designed to be swapped out in only a few minutes if necessary.



Except for PVC slat covers

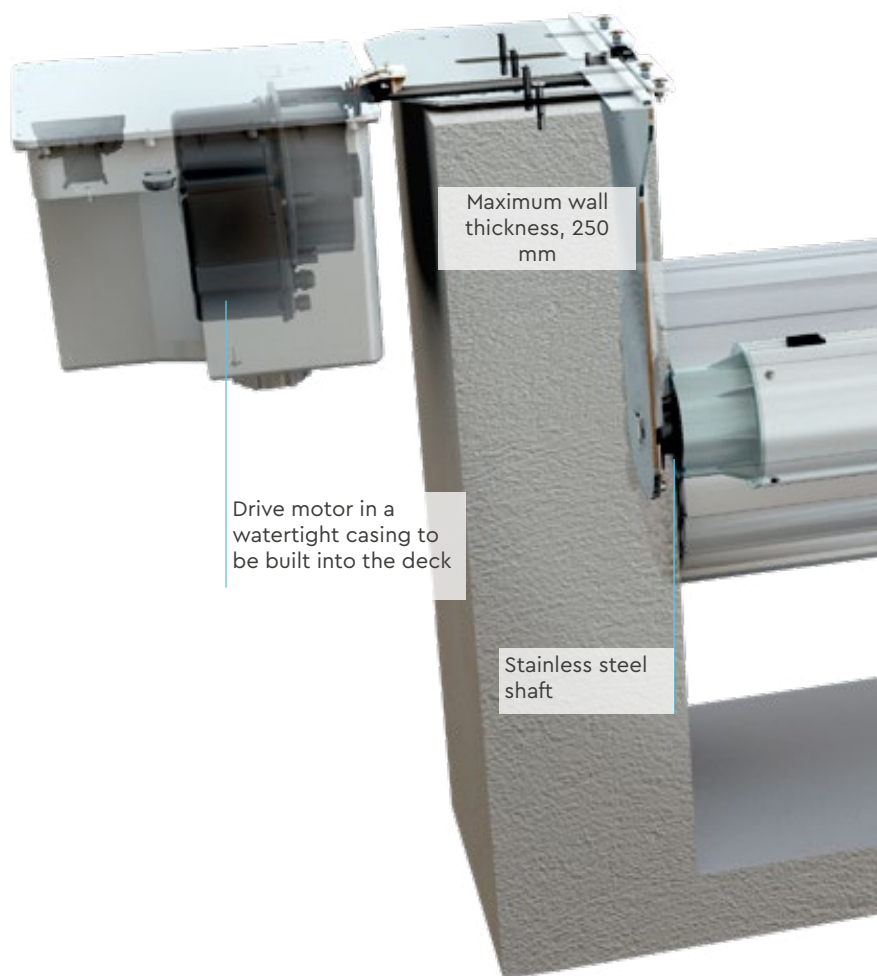
ADVANTAGES

- To ensure client safety, motors can be removed by a professional or by the client his/ herself,
- Motor easily removed or winterizing,
- No dry pit required
- Compatible with high water level configuration,
- Motor can be disconnected to secure the pool in the event of a power outage,
- Simple to install, easy to maintain,
- Flanges are mounted under the coping, the pool waterproofing is not pierced,
- Compliant with French safety standards in effect (NF P 90-308).



MAXIMUM DIMENSIONS

The maximum dimensions of a Revodeck cover are 6.09 × 14 m.

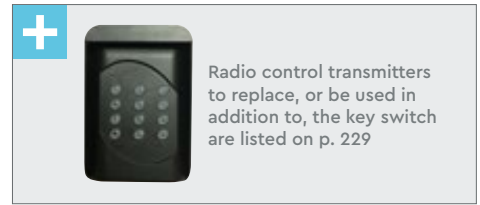


Drive motor in a watertight casing to be built into the deck

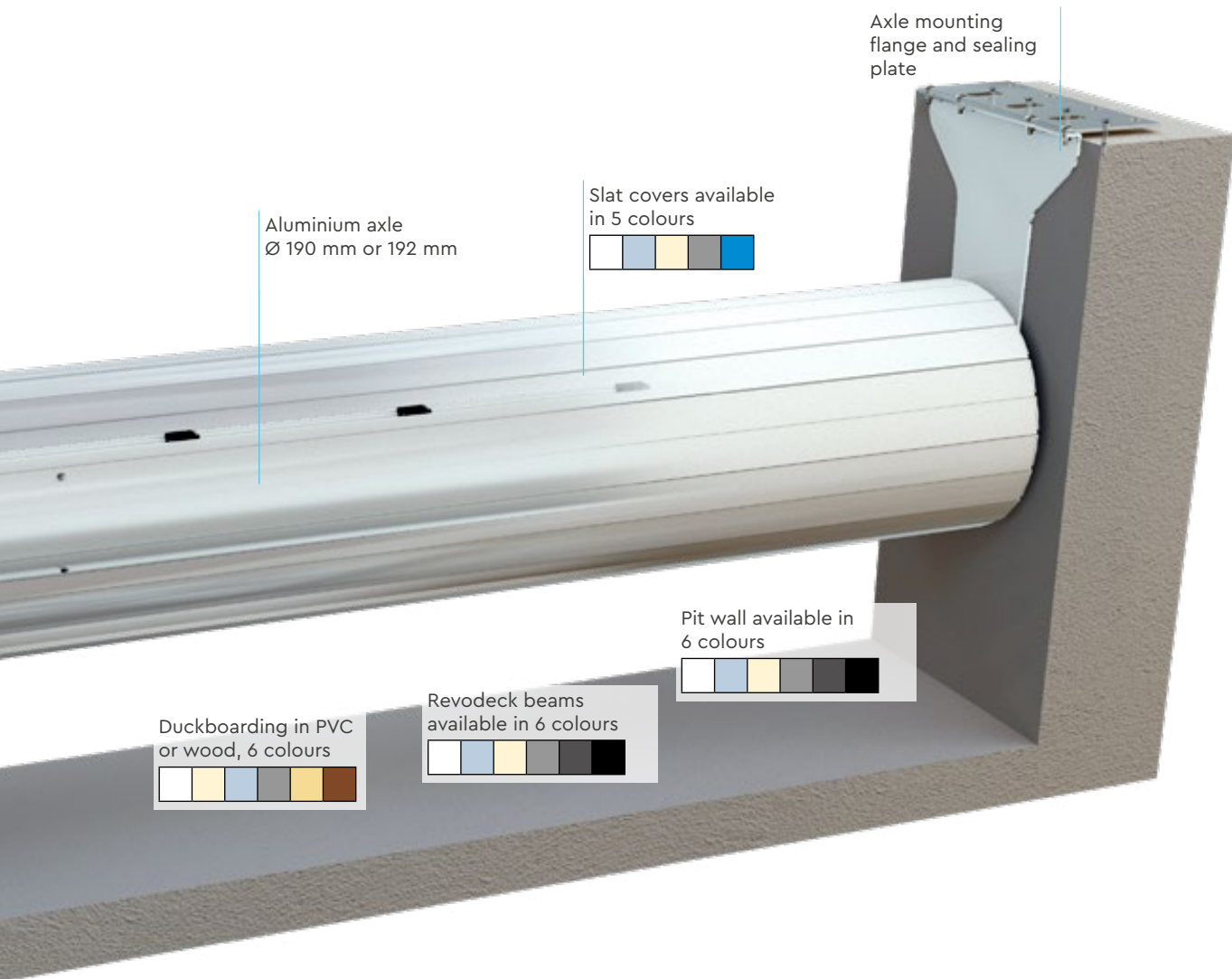
Stainless steel shaft

Mechanical assembly:

- 2 brackets to be sealed in.
- 2 Axle bearing end plates.
- 1 Aluminium axle.
- Stainless steel drive shaft.
- 1 Drive motor and watertight casing to be built into the deck.
- 1 Planetary reduction gear.
- 1 Control panel featuring electronic end of travel controls.
- 3 counterweights



Code	Description	Price
32215000	Revodeck mechanical assembly, for pools less than 3.10 m wide	
32215100	Revodeck mechanical assembly, for pools less than 4.10 m wide	
32215300	Revodeck mechanical assembly, for pools less than 5.10 m wide	
32215500	Revodeck mechanical assembly, for pools less than 6.10 m wide	



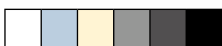
AUTOMATIC COVERS

Revodeck beams

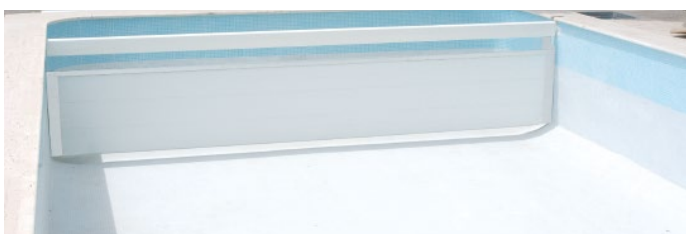


The lacquered aluminium beams are 133 mm thick.

The beams are mounted on adjustable supports that allow the beam height to be adjusted to rest flush with the coping nose.



Revodeck pit walls



Specially designed to bring pools into compliance with safety standards. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc). The pool waterproofing is not pierced: The Revodeck pit wall is mounted on plates sealed under the coping on both sides of the pool


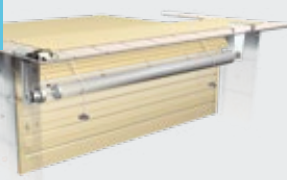
Components:

- 2 Coloured PVC reinforced lateral guide rails
- 1 Coloured top finishing strip, with an inner aluminium reinforcing bar,
- 1 Pit wall comprising coloured PVC panels, 40 mm thick, that are fitted together.

Revodeck duckboarding

Duckboarding for Revodeck cover pits comes with wedges that allow the height of the duckboarding to be adjusted to the coping nose height (thickness 30, 40 or 55 mm).

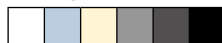


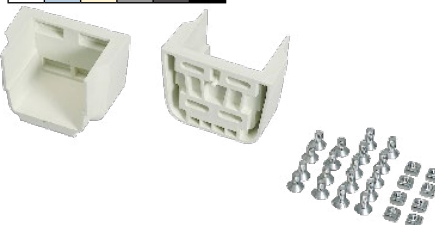
Choose the fittings

The colours, codes and prices of Revodeck fittings are listed on the Coverdeck pages.

Revodeck beam support, for beam only (no pit wall)



Revodeck beam support, for beam and pit wall



Sub-coping sealing plate for pit wall and beam support brackets

These sealing plates are used to mount the cover beams and the pit wall.



Revodeck high water level brackets

These lacquered black aluminium brackets were specially designed for pools in which the water level is 50 mm from the top of the wall (pools fitted with mirror skimmers), they are positioned at 1 metre intervals along the pool width. They may be used instead of the beam, and can bear the weight of the duckboarding and a person weighing up to 80 Kg.



They feature:

12, 14 or 16 rollers depending on the horizontal depth of the bracket and the duckboarding (680, 830 or 950 mm), duckboarding stop plate, a sub-coping stainless steel attachment plate and screw that allows for height adjustment.

Sealing plate for high water line brackets



To avoid interrupting the progress of the installation, and notably to enable coping stones to be laid before delivery of the automatic cover, Procopi created this reference to allow you to keep a rolling stock of sealing plates for high water level brackets. Upon receiving the high water level brackets you can set the sealing plates aside for a future installation.




Aluminium finishing strip < 6 m

With the high water level brackets, there is no need for a beam to support the duckboarding. To ensure a perfect finish, we therefore created a finishing strip to be positioned between the duckboarding and the high water level bracket.



+



Choose the fittings

The colours, codes and prices of Revodeck fittings are listed on the Coverdeck pages.

Revodeck high water level pit wall



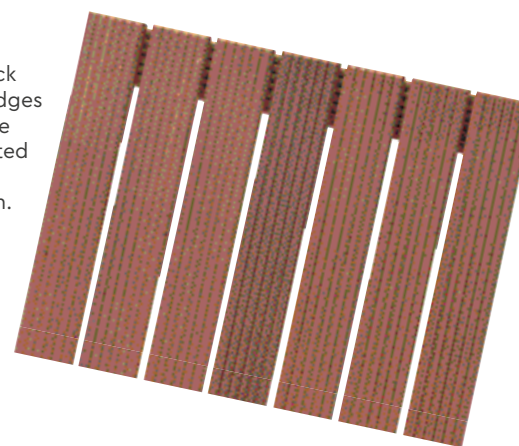
Specially designed to bring pools into compliance with safety standards. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc.. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc.

Components:

- 2 Coloured PVC reinforced lateral guide rails
- 1 Coloured top finishing strip, with an inner aluminium reinforcing bar,
- 1 Pit wall comprising coloured PVC panels, 40 mm thick, that are fitted together.

Duckboarding for Revodeck high water line

Duckboarding for Revodeck cover pits comes with wedges that allow the height of the duckboarding to be adjusted to the coping nose height (thickness 30, 40 or 55 mm.





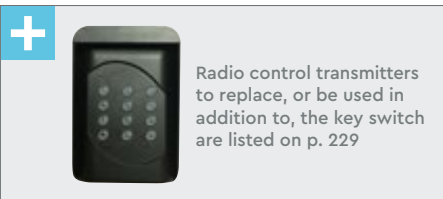
+ Aesthetic and excellent value for money, Stardeck has established itself as the Reference in terms of automatic covers. Its reliability is tried and tested



Except PVC slat covers

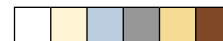
Advantages

- Designed to be fitted to pools under construction,
- Motor installed in a dry pit.
- Stardeck is compatible with the patented Cleandeck system (patented motor attachment system, cleaning system and beam).
- Complies with French safety standards in effect (NF P 90-308).



Stardeck Classic

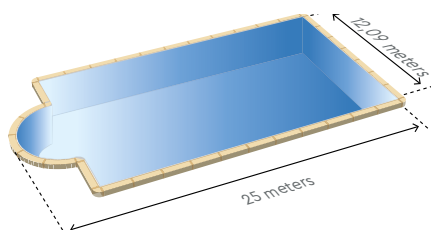
Duckboarding in PVC or wood, 6 colours



Anodised aluminium axle
Ø 150 mm, 180 mm
or 250 mm

Counterweight

Pit wall, available in
6 colours



Maximum Dimensions:

The maximum dimensions of a Stardeck cover are 12.09 x 25 meters. (with a PL3 motor and Ø 250 mm axle).

ORDER YOUR COVER IN JUST **9 STEPS**

1 Choose the slat cover

2 Choose steps

3 Choose the fastening system

Mechanical assemblies:

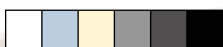
- Complete axle in anodised aluminium, Ø 150 mm, 180 mm or 250 mm, depending on the pool width,
- Couplings in stainless steel,
- 1 Reduction geared motor, Aquamat 3001 or PL3 depending on the pool width, with connectors,
- 1 Control panel featuring electronic end-of-travel controls,
- 3 counterweights.



Code	Description	Price
32200000	Stardeck mechanical assembly, for pools less than 3.10 m wide	
32200100	Stardeck mechanical assembly, for pools less than 4.10 m wide	
32200300	Stardeck mechanical assembly, for pools less than 5.10 m wide	
32200500	Stardeck mechanical assembly, for pools less than 6.10 m wide	
32200600	Stardeck mechanical assembly, for pools less than 7.10 m wide	
32202600	Stardeck mechanical assembly, for pools less than 7.10 m wide, with PL3 motor	
32202700	Stardeck mechanical assembly, for pools less than 8.10 m wide, with PL3 motor	
32202900	Stardeck mechanical assembly, for pools less than 10.10 m wide, with PL3 motor*	
32202200	Stardeck mechanical assembly, for pools less than 11.10 m wide, with PL3 motor*	
32202400	Stardeck mechanical assembly, for pools less than 12.10 m wide, with PL3 motor*	

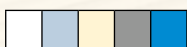
*Please contact your Procopi agency for our delivery/pick-up charges.

Stardeck beams available in 6 colours



Aquamat 3001 or PL3 reduction geared motor and electrical panel.

Cover slats available in 5 colours



Stardeck High Water Line

High water line bracket

AUTOMATIC COVERS

4 Choose the mechanical assembly

5 Choose the beam

6 Choose the pool fittings

7 Choose the duckboarding

8 Choose the pit wall

9 Add the cost of pick-up/ delivery

SUBMERGED AUTOMATIC COVERS

BWT STARDECK® BEAMS

Family 6900

The letter X in the codes below take the following values:

x = 2 corresponds to an M³0 beam end-piece, for coping nose 49 mm high

x = 4 corresponds to an M40 beam end-piece, for coping nose 50 to 64 mm high

x = 6 corresponds to an M55 beam end-piece, for coping nose 65 mm high.



Stardeck beams are made of lacquered aluminium. On pools up to 6.09 m wide, the beams are 133 mm high, as of 6.10 m beams are 153 mm high.

Beams are fitted with end-pieces so that the height corresponds to the finished coping nose height (30, 40 or 55 mm high).

Light blue		Beige		Grey		Anthracite grey		Black		
Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	
Pool width < 3.10 m										
323X0300		323X0100		323X0500		323X0800		323X0600		323X0900
Pool width < 4.10 m										
323X1300		323X1100		323X1500		323X1800		323X1600		323X1900
Pool width < 5.10 m										
323X3300		323X3100		323X3500		323X3800		323X3600		323X3900
Pool width < 6.10 m										
323X5300		323X5100		323X5500		323X5800		323X5600		323X5900
Pool width < 7.10 m										
323X6300		323X6100		323X6500		323X6800		323X6600		323X6900
Pool width < 8.10 m										
323X7300		323X7100		323X7500		323X7800		323X7600		323X7900

For beams wider than 8.09 metres, please contact your Procopi agency.

BWT STARDECK® BEAM SUPPORT BRACKETS

Family 6900

This system, developed by Procopi, not only provides lateral support, it also significantly limits the deformation of wide beams (wider than 6.10 m).

The bracket features rollers under the oblique axis that facilitate the rolling up and out of the cover without damaging the slats.

Use of this type of bracket is now mandatory with every beam wider than 6.10m, refer to the table below.



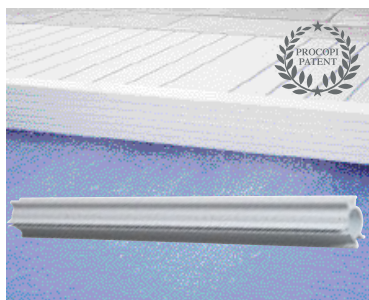
+ Caution: Brackets are not compatible with salt water electrolysis

Code	Description	Price
32327301	Support bracket for Stardeck beams	

Beam length	Number of brackets recommended	
	Private use	Commercial use
< 6.09 meters	0	0
6.10 m to 8.09 m	1	2
8.10 m to 10.09 m	2	4
10.10 m to 12.09 m	3	6

BWT CLEANDECK® CLEANING SYSTEM

Family 6900



Composition:

- The manifold itself,
- Aquaboo 1HP booster pump, 230 Volts, 1ph
- Installation fittings.
- Not compatible with coping less than 40 mm thick

Code	Description	Price
32700000	Cleandek cleaning system for pools less than 3.10 m wide	
32700100	Cleandek cleaning system for pools less than 4.10 m wide	
32700300	Cleandek cleaning system for pools less than 5.10 m wide	
32700500	Cleandek cleaning system for pools less than 6.10 m wide	


* Information available on procopi.com



Specially designed to bring pools into compliance with safety standards. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc). The pool waterproofing is not pierced; the Stardeck pit wall is mounted on brackets sealed under the coping on either side of the pool.

Components:

- 2 Coloured PVC reinforced lateral guide rails
- 1 Coloured top finishing strip, with an inner aluminium reinforcing bar,
- 1 Pit wall comprising coloured PVC panels, 40 mm thick, that are fitted together.

 Maximum pool height: 2 m

	White		Light blue		Beige		Grey		Anthracite grey		Black	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Sloped or flat bottom pool, depth less than 1.06 m												
Width < 3.10 m	32600300		32600100		32600500		32600800		32600600		32600900	
Width < 4.10 m	2601300		32601100		32601500		32601800		32601600		32601900	
Width < 5.10 m	32603300		32603100		32603500		32603800		32603600		32603900	
Width < 6.10 m	32605300		32605100		32605500		32605800		32605600		32605900	
Sloped or flat bottom pool, depth less than 1.30 m												
Width < 3.10 m	32610300		32610100		32610500		32610800		32610600		32610900	
Width < 4.10 m	32611300		32611100		32611500		32611800		32611600		32611900	
Width < 5.10 m	32613300		32613100		32613500		32613800		32613600		32613900	
Width < 6.10 m	32615300		32615100		32615500		32615800		32615600		32615900	
Sloped or flat bottom pool, depth less than 1.55 m												
Width < 3.10 m	32620300		32620100		32620500		32620800		32620600		32620900	
Width < 4.10 m	32621300		32621100		32621500		32621800		32621600		32621900	
Width < 5.10 m	32623300		32623100		32623500		32623800		32623600		32623900	
Width < 6.10 m	32625300		32625100		32625500		32625800		32625600		32625900	
Sloped or flat bottom pool, depth greater than 1.55 m												
Width < 3.10 m	32630300		32630100		32630500		32630800		32630600		32630900	
Width < 4.10 m	32631300		32631100		32631500		32631800		32631600		32631900	
Width < 5.10 m	32633300		32633100		32633500		32633800		32633600		32633900	
Width < 6.10 m	32635300		32635100		32635500		32635800		32635600		32635900	

• The depth of the pool is measured from the top of the pool wall, under the coping at the point where the beam mounting units are installed.

	White PVC		Light blue PVC		Beige PVC		Grey PVC		Exotic wood		Class IV pine	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Standard duckboarding, width 500 mm												
Length 680 mm	32440300		32440100		32440500		32440800		32400600		32420600	
Length 830 mm	32444300		32444100		32444500		32444800		32404600		32424600	
Length 950 mm	32446300		32446100		32446500		32446800		32406600		32426600	
Non-standard duckboarding, width 500 mm												
Length 1050 mm max	32448300		32448100		32448500		32448800		32408600		32428600	
Closing mechanism for the motor service hatch (mandatory if the Cleandeck option is selected)												
Service hatch	32441301		32441301		32441301		32441301		32401601		32401601	

Duckboarding for the Stardeck cover pit comes with wedges that allow the height of the duckboarding to be adjusted to the coping nose height (depth 30, 40 or 55 mm).

SUBMERGED AUTOMATIC COVERS

BWT STARDECK BRACKETS, HIGH WATER LINE CONFIGURATION


Family 6900



These lacquered light grey aluminium brackets were specially designed for pools in which the water level is 50 mm from the top of the wall (pools fitted with mirror skimmers, page 28), they are positioned at 1 metre intervals along the pool width. They may be used instead of the beam, and can bear the weight of the duckboarding and a person weighing up to 80 Kg.

They feature:

- 12, 14 or 16 rollers depending on the horizontal depth of the bracket and the duckboarding (680, 830 or 950 mm),
- duckboarding stop plate,
- a sub-coping stainless steel attachment plate and screw that allows for height adjustment.

 Caution: Brackets are not compatible with salt water electrolysis.

	for duckboarding, 680 mm		for duckboarding, 830 mm		for duckboarding, 950 mm	
	Code	Price	Code	Price	Code	Price
Bracket, high water level, per unit	32820800		32824800		32826800	
Sample prices	No. of brackets		No. of brackets		No. of brackets	
For pools 4 m wide	5		5		5	
For pools 5 m wide	6		6		6	
For pools 6 m wide	7		7		7	
For pools 7 m wide	8		8		8	


The number of brackets indicated in the table above is valid when the skimmer is centered with respect to a 1 m duckboarding module.

Stainless steel safety fastener, high water line configuration		
32850700	Sub-coping stainless steel fastener, for high water level pools	

BWT CLEANDECK® CLEANING SYSTEM FOR HIGH WATER LEVEL BRACKETS

Family 6900



 The finishing profile is needed to install the cleaning manifold.

Composition:

- The manifold itself,
- Aquaboot 1HP booster pump, 230 Volts, 1ph
- Installation fittings.

Code	Description	Price
32750000	Cleandek cleaning system, for high water level pools, width less than 4.10 m	
32750100	Cleandek cleaning system, for high water level pools, width less than 4.10 m	
32750300	Cleandek cleaning system, for high water level pools, width less than 5.10 m	
32750500	Cleandek cleaning system, for high water level pools, width less than 6.10 m	

BWT SEALING PLATE FOR HIGH WATER LEVEL BRACKET

Family 6900



To avoid interrupting the progress of the installation, and notably to enable coping stones to be laid before delivery of the automatic cover, Procopi created this reference to allow you to keep a rolling stock of sealing plates for high water level brackets. Upon receiving the high water level brackets you can set the sealing plates aside for a future installation.

Code	Description	Price
32820000	Sealing plate for high water level bracket	


BWT ALUMINIUM FINISHING STRIP < 6 M

Family 6900



With the high water level brackets, there is no need for a beam to support the duckboarding. To ensure a perfect finish, we therefore created a finishing strip to be positioned between the duckboarding and the high water level bracket. This trim is also compatible with the Cleandek cleaning system.

Code	Description	Price
32825300	Finishing trim, white	
32825500	Finishing trim, beige	
32825800	Finishing trim, grey	
32825000	Finishing trim, wood	

 Maximum length of the finishing strip is 6 m.

BWT STARDECK® HIGH WATER LINE PIT WALL


Family 6900



Specially designed to bring pools into compliance with safety standards. Each assembly is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc). The pool waterproofing is not pierced; the Stardeck pit wall is mounted on brackets sealed under the coping on either side of the pool.

Components:

- 2 Coloured PVC reinforced lateral guide rails
- 1 Coloured top finishing strip, with an inner aluminium reinforcing bar,
- 1 Pit wall comprising coloured PVC panels, 40 mm thick, that are fitted together.

 Maximum pool height: 2 m


White		Light blue		Beige		Grey		Anthracite grey		Black	
Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Sloped or flat bottom pool, depth less than 1.06 m											
Width < 3.10 m	32650300		32650100		32650500		32650800		32650600		32650900
Width < 4.10 m	32651300		32651100		32651500		32651800		32651600		32651900
Width < 5.10 m	32653300		32653100		32653500		32653800		32653600		32653900
Width < 6.10 m	32655300		32655100		32655500		32655800		32655600		32655900
Sloped or flat bottom pool, depth less than 1.30 m											
Width < 3.10 m	32660300		32660100		32660500		32660800		32660600		32660900
Width < 4.10 m	32661300		32661100		32661500		32661800		32661600		32661900
Width < 5.10 m	32663300		32663100		32663500		32663800		32663600		32663900
Width < 6.10 m	32665300		32665100		32665500		32665800		32665600		32665900
Sloped or flat bottom pool, depth less than 1.55 m											
Width < 3.10 m	32670300		32670100		32670500		32670800		32670600		32670900
Width < 4.10 m	32671300		32671100		32671500		32671800		32671600		32671900
Width < 5.10 m	32673300		32673100		32673500		32673800		32673600		32673900
Width < 6.10 m	32675300		32675100		32675500		32675800		32675600		32675900
Sloped or flat bottom pool, depth greater than 1.55 m											
Width < 3.10 m	32680300		32680100		32680500		32680800		32680600		32680900
Width < 4.10 m	32681300		32681100		32681500		32681800		32681600		32681900
Width < 5.10 m	32683300		32683100		32683500		32683800		32683600		32683900
Width < 6.10 m	32685300		32685100		32685500		32685800		32685600		32685900

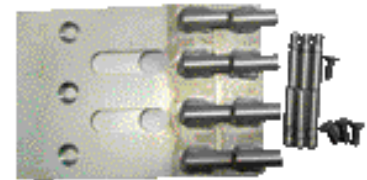
• The depth of the pool is measured from the top of the pool wall, under the coping at the point where the beam mounting units are installed.

BWT SUB-COPING SEALING PLATE FOR HIGH WATER LEVEL PIT WALL

Family 6900

Code	Description
32819000	Sub-coping sealing plate for high water level pit wall


 When you order a high water line pit wall, you must also order the sub-coping sealing plate



BWT STARDECK® HIGH WATER LINE DUCKBOARDING

Family 6900

Code	Description	Price
32410600	Duckboarding, pool 680×1000, exotic wood	
32414600	Duckboarding, pool 830×1000, exotic wood	
32416600	Duckboarding, pool 950×1000, exotic wood	

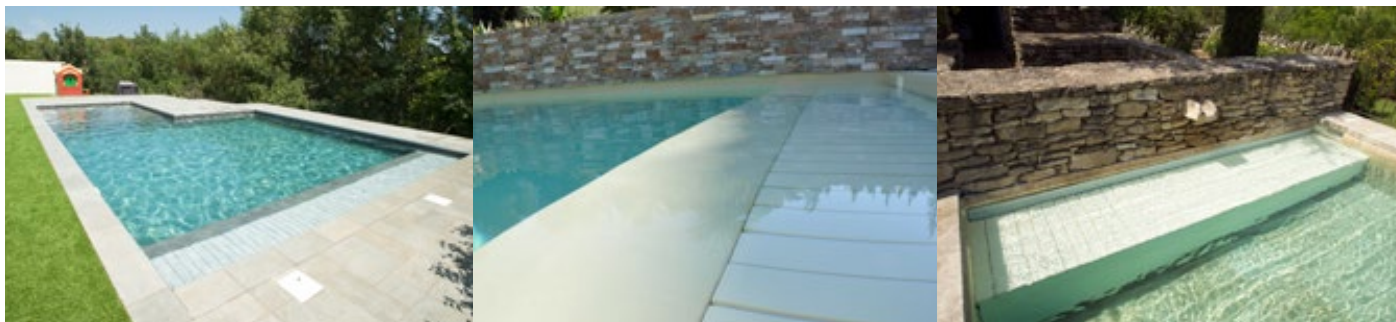
 In the event that mirror skimmers are installed in the cover pit, the duckboarding modules directly above them must be at least 1 m long.



SUBMERGED AUTOMATIC COVERS

BWT STARDECK® INÉO 

Family 6900




+ Stardeck Inéo is designed for pools with sharp corners finished with 1.50 mm reinforced membranes, tiles or concrete. A main drain and a return fitting must be installed in the cover pit

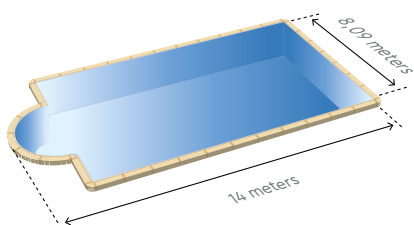


except for PVC cover slats

Advantages

- Purpose designed for pools under construction,
- Motor in a dry motor pit,
- Complies with the French safety standards in effect (NF P 90-308).

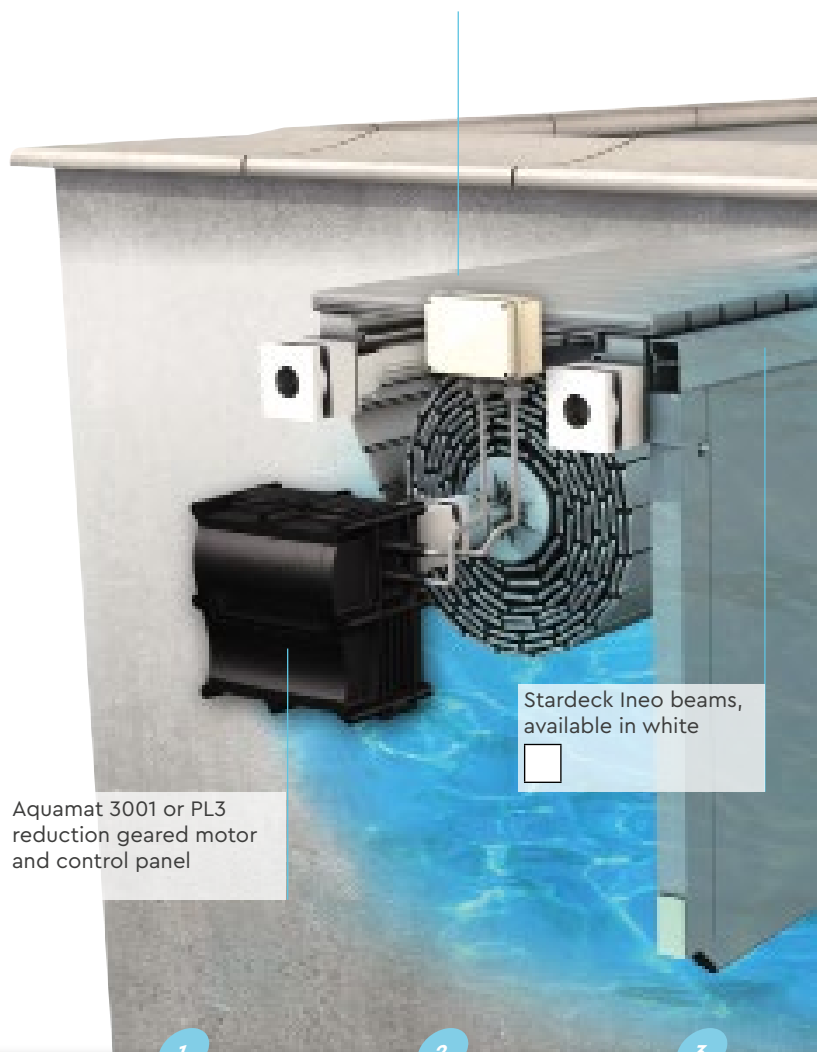
+  Radio control transmitters to replace, or be used in addition to, the key switch are listed on p. 229



Maximum Dimensions:

The maximum dimensions of a Stardeck Inéo cover are 8.09 x 14 meters (including the distance between the axle and the surface of the water).

+ An information sheet must be filled out for every INEO automatic cover ordered to check the cover's feasibility. This document is available for download from procopi.com or from your Procopi agent.



Aquamat 3001 or PL3 reduction geared motor and control panel

Stardeck Ineo beams, available in white




ORDER YOUR COVER IN JUST 9 STEPS

- 1 Choose the slat cover
- 2 Choose steps
- 3 Choose the fastening system

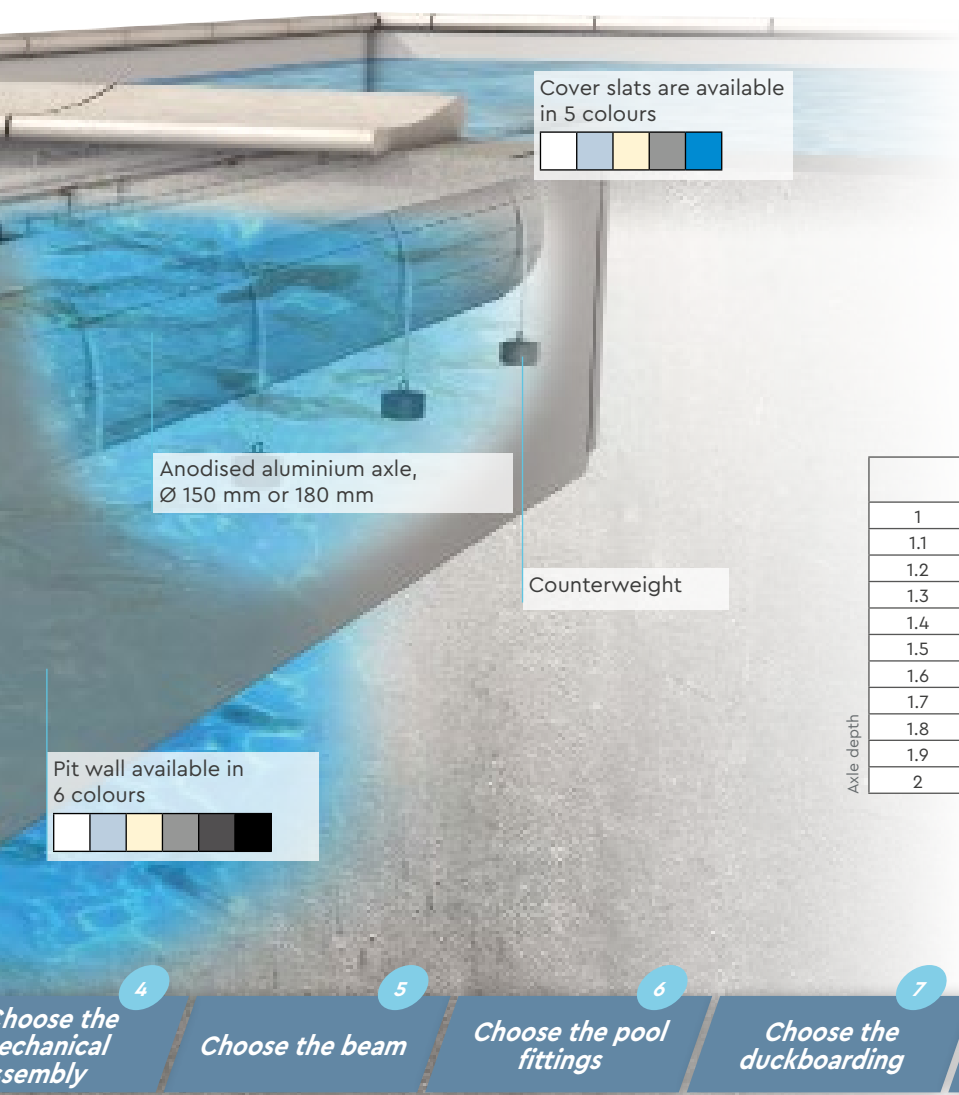
Mechanical assembly

- Complete axle in anodised aluminium, Ø 150 mm, 180 mm or 250 mm, depending on the pool width
- Couplings in stainless steel,
- 1 Reduction geared motor, Aquamat 3001 or PL3 depending on the pool width, with connectors,
- 1 Control panel featuring electronic end-of-travel controls,

 For all other dimensions, please contact your Procopi agency.

Code	Description	Price
32200099	Stardeck Inéo mechanical assembly, Ø 150 mm, Aquamat motor, less than 3.10 m	
32200199	Stardeck Inéo mechanical assembly, Ø 150 mm, Aquamat motor, less than 4.10 m	
32200399	Stardeck Inéo mechanical assembly, Ø 150 mm, Aquamat motor, less than 5.10 m	
32200599	Stardeck Inéo mechanical assembly, Ø 150 mm, Aquamat motor, less than 6.10 m	
32200699	Stardeck Inéo mechanical assembly, Ø 180 mm, Aquamat motor, less than 7.10 m	
32200799	Stardeck Inéo mechanical assembly, Ø 180 mm, Aquamat motor, less than 8.10 m	
32202099	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 3.10 m*	
32202199	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 4.10 m*	
32202399	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 5.10 m*	
32202599	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 8.10 m*	
32202699	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 7.10 m*	
32202799	Stardeck Inéo mechanical assembly, deep installation, Ø 180 mm, PL3 motor, less than 8.10 m*	
1 32800099	Cradle for Stardeck Inéo	per unit
32000399	Counterweight	per unit

* The version designed for installation deep in the pool comes with a stainless steel bearing and flange.



AUTOMATIC COVERS

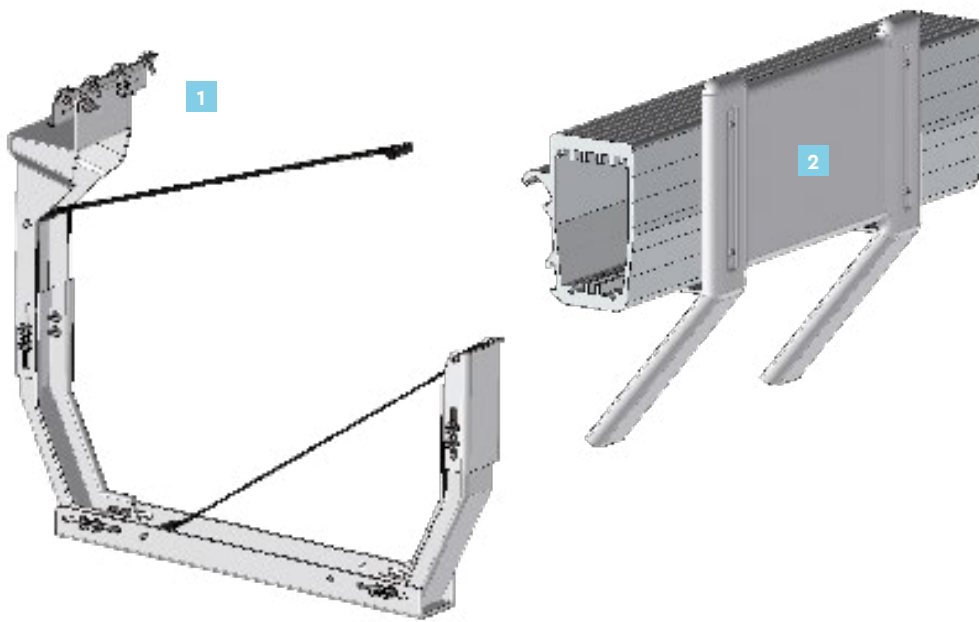
		Pool width x length (including steps)		
		4 m x 12 m	5 m x 14 m	6 m x 14 m
Axle depth	1			
	1.1			
	1.2			
	1.3			
	1.4			
	1.5			
	1.6			
	1.7			
	1.8			
	1.9			
2				

■ Aquamat 3001 motor, axle Ø 150
 ■ PL3 motor axle Ø 180

SUBMERGED AUTOMATIC COVERS

CALCULATION OF THE NUMBER OF CRADLES - STARDECK® INÉO

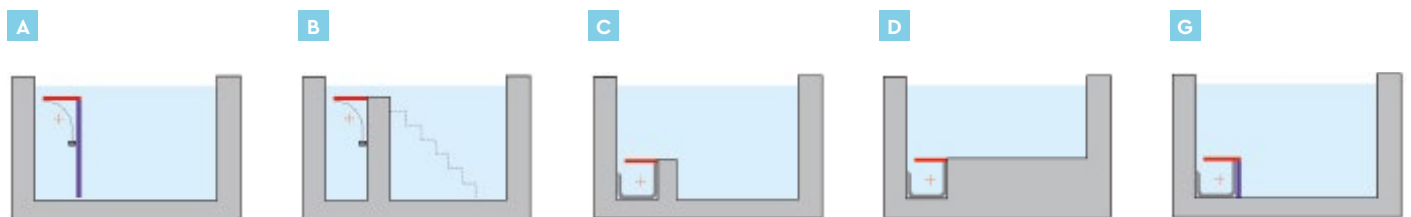
Family 6900



+ New engineering plans for Stardeck Inéo covers available for download from your professional space on Procopi.com or from your Procopi agency.

	configuration A	configuration B	configuration C	configuration D	configuration G
1 Cradle	-	-	X	X	X
2 Deflector	X	X	X	X	X
Kit, 2 beams	X	X	X	X	X
Inéo mechanical assembly	X	X	X	X	X
Duckboarding 680 × 500	-	X	X	X	-
Duckboarding 730 × 500	X	-	-	-	X
Pit wall	X	-	-	-	X
Counter weight	X	X	-	-	-
DeltaLock	TO BE INSTALLED ON THE ROLLER SIDE AND THE SIDE OPPOSITE THE ROLLER				
Sample prices					
7×3					
8×4					
10×5					
12×6					

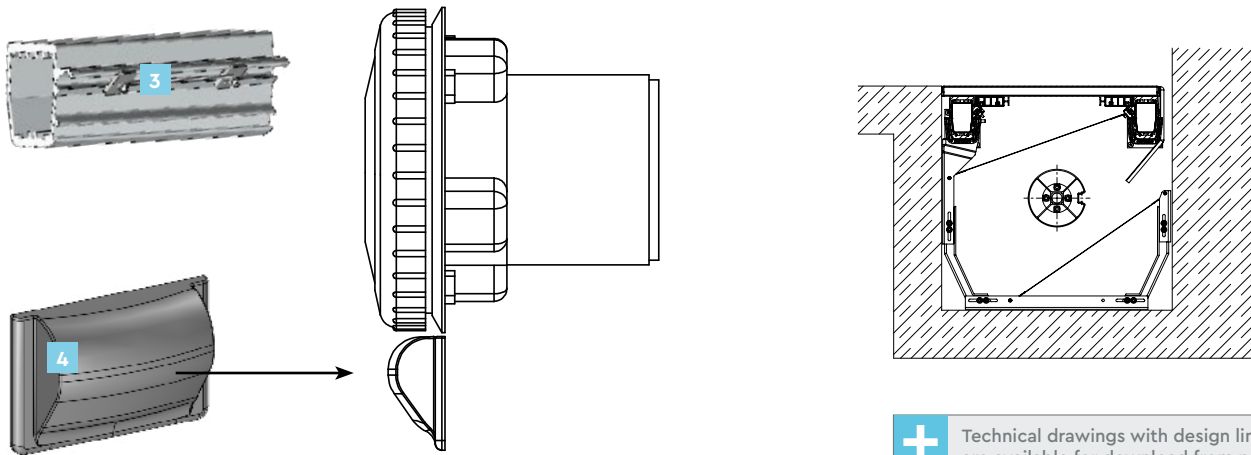
The Price includes: mechanical structure + beam + white duckboarding + white pit wall trim + deflectors + cradle or counter weight



+ In configurations A and B, DeltaLock fasteners are not required on the axle side if the distance between the duckboarding water surface is less than 200mm.

BWT DEFLECTORS FOR STARDECK® INÉO COVERS 

Family 6900



+ Technical drawings with design limitations are available for download from procopi.com

	Code	Description		Price
2	32800299	Deflector for Stardeck Inéo	per unit	
3	32800399	Fastener for Stardeck Inéo cradle straps	per unit	

+ In the case of configurations C, D and G, if the number of deflectors is less than the number of cradles, you will need to order fasteners. Number of fasteners = Number of cradles - Number of deflectors

BWT BEAMS FOR STARDECK® INÉO COVERS 

Family 6900

Code	Description		Price
32300399	Stardeck Inéo beam < 3.10 m, white	set of 2	
32301399	Stardeck Inéo beam < 4.10 m, white	set of 2	
32303399	Stardeck Inéo beam < 5.10 m, white	set of 2	
32305399	Stardeck Inéo beam < 6.10 m, white	set of 2	
32307399	Stardeck Inéo beam < 8.10 m, white	set of 2	
32310399	Stardeck Inéo beam < 3.10 m, white	per unit	
32311399	Stardeck Inéo beam < 4.10 m, white	per unit	
32313399	Stardeck Inéo beam < 5.10 m, white	per unit	
32315399	Stardeck Inéo beam < 6.10 m, white	per unit	
32317399	Stardeck Inéo beam < 8.10 m, white	per unit	

Not suitable for tiled duckboarding

BWT INÉO GUIDE FOR POOL FITTINGS (SET OF 10) 

Family 6900

4 ■ These must be fitted to pool fittings located on the pool width on the axle side

Light blue	Blue grey	Dark blue	Marine blue	White	Mint	Beige	Grey	Taupe	Clay	Anthracite grey	Black
32830199	32830219	32830299	32830319	32830399	32830519	32830599	32830899	32830119	32830419	32830699	32830999

BWT FITTINGS FOR STARDECK® INÉO COVERS 

Family 6900

Code	Description		Price
32521399	Stardeck Inéo beam sealing socket	per pair	
32520399	Beam sealing socket for Stardeck Inéo with pit wall	per pair	

SUBMERGED AUTOMATIC COVERS

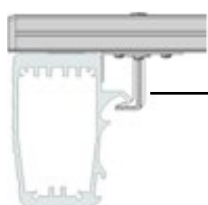
BWT DUCKBOARDING FOR STARDECK® INÉO SUBMERGED COVERS

Family 6900

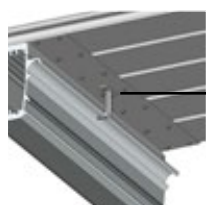


		from 680 × 500 mm		from 730 × 500 mm	
		Code	Price	Code	Price
1	Inéo duckboarding - White PVC	32440399		32442399	
2	Inéo duckboarding - Light blue PVC	32440199		32442199	
3	Inéo duckboarding - Beige PVC	32440599		32442599	
4	Inéo duckboarding - Grey PVC	32440899		32442899	
5	Inéo duckboarding - Anthracite grey PVC	32440699		32442699	
6	Inéo duckboarding - Black PVC	32440999		32442999	
	Inéo duckboarding - Welded	32490199		32492199	
7	Inéo duckboarding - Ready to tile	32490099		-	

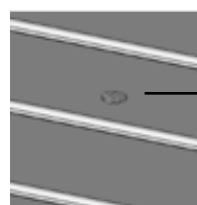
Code	Description	Price
32441301	SySystem for locking the PVC service hatch	



Lock

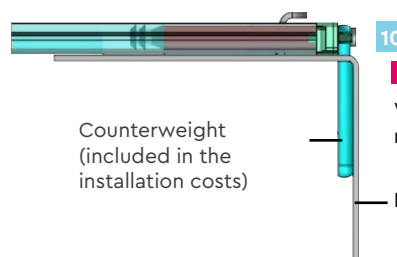
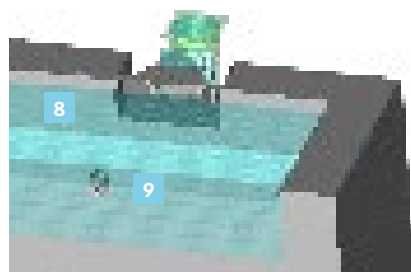


Lock tab and screws



ABS lock cap, colour matched to the duckboarding

BWT STARDECK INÉO COVER CUT OUTS



Counterweight (included in the installation costs)

10

NEW

Weight: in 2019 the plug will be reinforced with a metallic part

Bracket (sold separately)

On pools fitted with an overflow feature along a length, slats at regular intervals should be fitted with the following on the overflow side:

- A counterweight to prevent the slat cover from rising above the overflow wall while the cover is moving
- A removable bracket equipped with a safety strap to prevent the slat cover from lifting up while it is deployed over the pool (French standard concerning the prevention of drowning, NF P90-308).

Cut outs are made for pools with pool fittings on the axle side to allow water to circulate around the skimmer and return fittings.

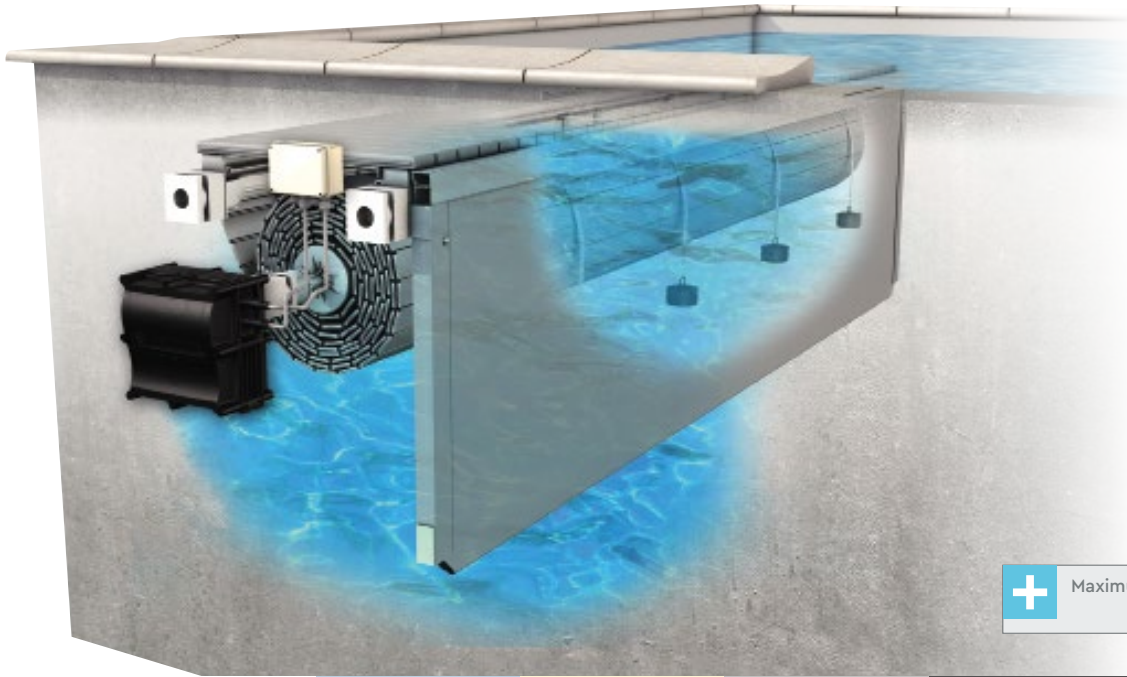
Code	Description	Price
8	32001699 500 mm cover apron cut-out to accommodate a skimmer	
9	32001599 150 mm cover apron cut-out to accommodate a return fitting	
10	32000340 Cost of installation of a counterweight and overflow bracket	

BWT SEALING TOOL FOR STARDECK® INÉO COVERS

Family 2300

Code	Description	Price
32522399	Sealing tool for Stardeck Ineo separating wall	
32523399	Sealing tool for Stardeck Ineo pit partition	

ProcopiServices 



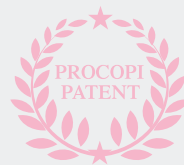
White		Light blue		Beige		Grey		Anthracite grey		Black	
Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Sloped or flat bottom pool, depth less than 1.06 m											
Width < 3.10 m	32600399		32600199		32600599		32600899		32600699		32600999
Width < 4.10 m	32601399		32601199		32601599		32601899		32601699		32601999
Width < 5.10 m	32603399		32603199		32603599		32603899		32603699		32603999
Width < 6.10 m	32605399		32605199		32605599		32605899		32605699		32605999
Sloped or flat bottom pool, depth less than 1.30 m											
Width < 3.10 m	32610399		32610199		32610599		32610899		32610699		32610999
Width < 4.10 m	32611399		32611199		32611599		32611899		32611699		32611999
Width < 5.10 m	32613399		32613199		32613599		32613899		32613699		32613999
Width < 6.10 m	32615399		32615199		32615599		32615899		32615699		32615999
Sloped or flat bottom pool, depth less than 1.55 m											
Width < 3.10 m	32620399		32620199		32620599		32620899		32620699		32620999
Width < 4.10 m	32621399		32621199		32621599		32621899		32621699		32621999
Width < 5.10 m	32623399		32623199		32623599		32623899		32623699		32623999
Width < 6.10 m	32625399		32625199		32625599		32625899		32625699		32625999
Sloped or flat bottom pool, depth greater than 1.55 m											
Width < 3.10 m	32630399		32630199		32630599		32630899		32630699		32630999
Width < 4.10 m	32631399		32631199		32631599		32631899		32631699		32631999
Width < 5.10 m	32633399		32633199		32633599		32633899		32633699		32633999
Width < 6.10 m	32635399		32635199		32635599		32635899		32635699		32635999

• The depth of the pool is measured from the top of the pool wall, under the coping at the point where the beam mounting units are installed.

WINTERCLEAN P-F

leaf stopper

TO HELP YOUR SLAT COVER KEEP YOUR POOL PERFECTLY CLEAN DURING THE WINTER SEASON, IT'S BETTER TO STOP LEAVES AND DUST FROM PASSING THROUGH THE GAP BETWEEN THE END OF THE SLATS AND THE POOL WALL. THIS IS THE ACCESSORY THAT ADDRESSES THIS PROBLEM.



Simple
and
efficient



Compatible
with all slats
available on
the market.



Simple and efficient

The WinterClean P-F system is comprised of high density polystyrene segments that simply clip onto the slats, filling the gap between the wall and the slats.

Practical

WinterClean P-F can be effortlessly fitted or removed in just a few minutes. WinterClean P-F is sold in 1 m lengths that can be trimmed with a Stanley knife to fit the pool perimeter and navigate obstacles, notably safety fasteners.

Easy to store

WinterClean P-F segments are small and light, making them easy to store while not in use.

Adapts to any pool shape:

Supple and flexible, WinterClean P-F follows the contour of the pool, whatever its shape.

Economical (sample prices)

Code	Description	Number of packets of six segments	Price
6 × 3	18 m	3	
8 × 4	24 m	4	
10 × 5	30 m	5	
12 × 6	36 m	6	432.00

Discreet

WinterClean P-F comes in a range of colours to provide unobtrusive protection for your pool.

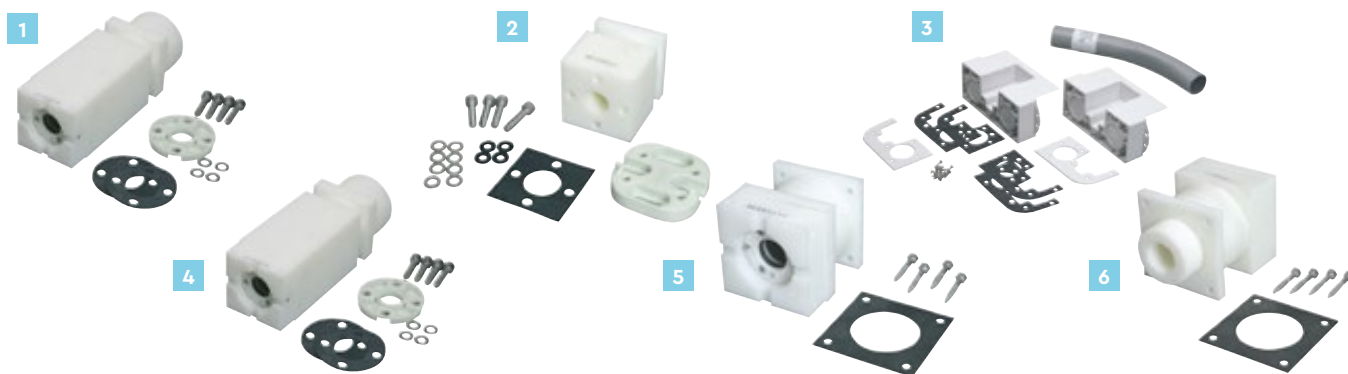
Compatible with all slats available on the market

WinterClean P-F is compatible with all slats between 10 mm and 20 mm thick.

Code	Description	Price
32869800	WinterClean P-F grey	
32869500	WinterClean P-F beige	

BWT STARDECK® POOL FITTINGS (MASONRY/LINER, 1.50 MM OR CONCRETE)

Family 6900



	Code	Description	Price
1	32500300	Stardeck throughwall flange, 275 mm, for pools with walls 250 mm thick (maximum)	
2	32510300	Stardeck axle bearing sealing fittings	
3	32520300	Pair of Stardeck cement bedded beam support units - White	
	32520100	Pair of Stardeck cement bedded beam support units - Light blue	
	32520500	Pair of Stardeck cement bedded beam support units - Beige	
	32520800	Pair of Stardeck cement bedded beam support units - Grey	
	32520600	Pair of Stardeck cement bedded beam support units - Anthracite grey	
	32520900	Pair of Stardeck cement bedded beam support units - Black	
4	32501300	Stardeck throughwall flange, 325 mm, for pools with walls 300 mm thick	
	32502300	Stardeck throughwall flange, 325 mm, basic module, extendable	
5	32503300	Stardeck end extension piece, 100 mm	
6	32504300	Stardeck intermediate extension piece, 100 mm	

BWT STARDECK® POOL FITTINGS

Family 6900

	Code	Description	Price
	32500390	Set of parts required to install a stardeck cover	

The set includes: Stardeck throughwall flange concrete/ liner, 275 mm, Stardeck bearing mounting units, Stardeck beam mounting unit, pair, white.

BWT STARDECK® POOL FITTINGS (PREFABRICATED THIN-WALLED POOLS)

Family 6900



	Code	Description	Price
7	32505300	Stardeck throughwall flange, for prefabricated thin-walled pools	
	32515300	Axle bearing sealing unit for prefabricated thin-walled pools	

BWT BEAM ACCESSORIES

Family 6900



	Code	Description	Price
8	33530301	Stardeck sub-coping beam mounting units, white	
	32327301	Support bracket for Stardeck beams > or = 6.10 m	

BWT STARDECK® POOL FITTINGS

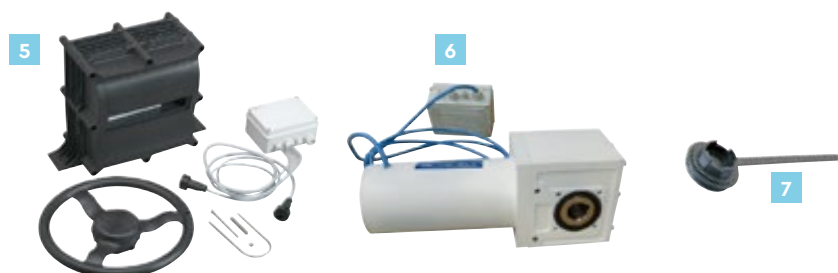
Family 6900



	Code	Description	Price
		Overflow kit	
1	32580800	Overflow kit	
		Parts for retrofitting older versions	
2	32542300	Adaptor fitting/ throughwall flange pre 1998, for the Aquamat 3001 reduction geared motor	
3	32550 300	Adaptor fitting for axle bearing, up to 1997	
4	32551300	Adaptor fitting for axle bearing, 1998 only	

BWT STARDECK® MOTORISATION AND ELECTRICAL PANEL

Family 6900



+ If an old PL3 is replaced with a new PL3, the PLC will need to be reprogrammed.
 NOTE: Aquamat 3001 and PL3 geared motors cannot be operated without an electrical panel.

	Code	Description	Price
5	32270100	Reduction geared motor, Aquamat 3001, 24 V, 250 Nm (for pools up to 98 m ²)	
6	32271020	Reduction geared motor, Aquamat PL3-500, 24 V, 500 Nm (for pools larger than 98 m ²)	
	32272020	Reduction geared motor, Aquamat PL3-1100, 1100 Nm	
	32290100	Electrical panel, for Aquamat 3001 reduction geared motor (Stardeck and Thermodeck)	
	32290200	Shielded electrical panel, for Aquamat 3001 reduction geared motor (Stardeck and Thermodeck)	
	32291000	Electrical panel, for PL3 reduction geared motor with PLC (Stardeck)	
	33290100	Electrical panel for Coverdeck covers	
	32292000	Key switch	
	32293000	Shielded cable 3 × 1 mm ² per 100 m	
7	32270170	Protective cap for Aquamat connectors, set of 2	

BWT RECEIVER FOR RADIO CONTROL PANEL

Family 6900



	Code	Description	Price
	32292020	Receiver for radio control + 12 key transmitter	
	32292040	Fixed remote installed radio control 12 key transmitter	
	32292030	Radio receiver and transmitter. electrolyser option	

+ The remote control can be used to slave a salt water electrolyser.

ACCESSORIES

BWT STARDECK® ACCESSORIES

Family 6900

Code	Description	Price
32880300	Protective flange for liner, per pair	

BWT COVERDECK® ACOUSTIC FOAM

Family 6900



Acoustic foam increases the comfort of bathers around the pool. This enhancement has no impact on the installation and can be mounted on any type of duckboarding.

The foam is suitable for humid environments. Its maximum dimensions are 840 × 475 mm.

Code	Description	Price
32400310	Acoustic foam 840×475 mm / Pool duckboarding	

BWT THERMODECK® REDUCTION GEARS

Family 6900



Code	Description	Price
36280000	Manually operated reduction gear for Thermodeck covers less than 5.10 m wide	

BWT CLEANDECK® CLEANING SYSTEM

Family 6900



Code	Description	Price
32708100	Adaptor kit for assembly on a concrete beam less than 6.10 m wide	
32708000	Stainless steel strainer for Cleandeck System#	

BWT ACCESSORIES FOR SUBMERGED AUTOMATIC COVERS

Family 6900



	Code	Description	Price
1	33200101	Coverdeck sub-coping mounting plates and installation template	
2	8492300	500 ml sachet of 2 component gel	
	32401650	Duckboarding corner bracket pack, 2 m length	

- For renovation, the corner bracket pack allows installation of duckboarding without pulling up the coping. Not compatible with high water level pools.


BWT SLATS SOLD SEPARATELY 

Family 6900

Code	Description	Price
White		
32054300	Slat 75 mm wide and 4.10 m long, without plugs	
32056300	Slat 75 mm wide and 5.10 m long, without plugs	
32057300	Slat 75 mm wide and 6.10 m long, without plugs	
32058300	Slat 75 mm wide and 7.10 m long, without plugs	
32059300	Slat 75 mm wide and 8.10 m long, without plugs	
Light blue		
32054100	Slat 75 mm wide and 4.10 m long, without plugs	
32056100	Slat 75 mm wide and 5.10 m long, without plugs	
32057100	Slat 75 mm wide and 6.10 m long, without plugs	
32058100	Slat 75 mm wide and 7.10 m long, without plugs	
32059100	Slat 75 mm wide and 8.10 m long, without plugs	
Beige		
32054500	Slat 75 mm wide and 4.10 m long, without plugs	
32056500	Slat 75 mm wide and 5.10 m long, without plugs	
32057500	Slat 75 mm wide and 6.10 m long, without plugs	
32058500	Slat 75 mm wide and 7.10 m long, without plugs	
32059500	Slat 75 mm wide and 8.10 m long, without plugs	
Grey		
32054800	Slat 75 mm wide and 4.10 m long, without plugs	
32056800	Slat 75 mm wide and 5.10 m long, without plugs	
32057800	Slat 75 mm wide and 6.10 m long, without plugs	
32058800	Slat 75 mm wide and 7.10 m long, without plugs	
32059800	Slat 75 mm wide and 8.10 m long, without plugs	
Translucent blue		
32054700	Slat 75 mm wide and 4.10 m long, without plugs	
32056700	Slat 75 mm wide and 5.10 m long, without plugs	
32057700	Slat 75 mm wide and 6.10 m long, without plugs	
32058700	Slat 75 mm wide and 7.10 m long, without plugs	
32059700	Slat 75 mm wide and 8.10 m long, without plugs	



AUTOMATIC COVERS

 For slats longer than 8.10 m, please contact your Procopi agency

BWT SLAT PLUGS 

Family 6900



Pair of plugs, 75 mm, (Left hand and right hand), in a box of 100 pairs (per box)	White	Light blue	Beige	Grey	Translucent blue
		32054301	32054101	32054501	32054801
PRICE					
32054302	Plug glue kit for BWT slats				

GENERAL SALES CONDITIONS

Freight charges	For covers slats, axles and beams, please, contact your Procopi agency Accessories: usual conditions apply.
Installation	Please contact your Procopi agency
Regulations	30% on placing an order, the balance according to individual agreements.
Guarantees	Cover operating conditions and general guarantee terms for covers are available on Procopi's Internet site or from your sales agency.
Safety	Automatic covers comply with the French standard NF P 90-308.



BWT PROTECTION & SAFETY

Complies with the following standards:

Standard NF P90-307-1 April 2009: Pool alarms

Standard NF P90-307-2 November 2005: Pool alarms



OS

Soft, protective & safety covers

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CHOICE, EFFICIENCY & VISUAL APPEAL

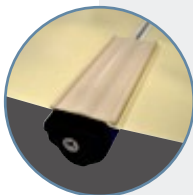
THE MATERIAL:

- Very strong PVC coated fabric: 650g/m².
- UV stabilised and anti-microbial.
- Lacquered on both surfaces.
- Reinforcement of the surface in contact with the coping (70% of the mass)
- Reverse side is beige: prevents staining of the coping.
- The fabric is unbroken where it passes under the bars: increased strength.
- Cleverly positioned drainage holes to prevent the formation of pockets and deformation of the fabric.



THE BARS:

- Lacquered aluminium (Calypso and Mambo) the exact same colour as the polyester fabric.
- Polypropylene plugs fitted into the bars, discreet and strong.
- Fibreglass reinforced drive plugs to resist mechanical stress loading.



COPING WEAR PADS:

- Ideal solution for free-form pools (polyester shell, etc.). The pads can be adjusted to adapt to the pool shape and protect the cover and the bars at the contact points.
- The pads are made of a supple material that protects against impacts and protects against abrasion. They are removable and easily replaced.

THE FASTENING SYSTEM:

- Sheathed stainless steel cables (Calypso): no corrosion, no rough surfaces (protects the cover fabric and people).
- Ratchet buckles (Calypso) to tension the cables.
- Polyamide sleeves (Calypso and Mambo) protect the buckles and the cover fabric while the cover is being rolled out. The deck is clean and safe, no risk of injury to children.
- 3 bar tensioning straps. Tensioned with cam buckles (Calypso and Mambo) that can be slid along the 1st bar to correctly install the cover.



THE STEPS:

- Across the width of the cover: Slip onto the last bar of the cover to allow the step piece to be positioned with greater accuracy.
- Along the length of the cover: the cover is made of two separate parts. An additional bar joins the ends of the step piece.



BWT CALYPSO

Calypso bar covers are made of a very strong (650g/m²). PVC coated, polyester fabric, both surfaces are anti-UV treated. The cover fabric is continuous underneath the bars for increased strength and durability.

Lacquered aluminium bars the same colour as the cover strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

TECHNICAL DATA

Maximum dimensions

12x5

Peripheral overlap

0.20 m

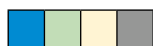
Bars

Lacquered aluminium the same colour as the material

PVC coated polyester

650 g/m²

Colours



Finish along the length

Hemmed with an adjustable tensioning cable

Finish along the width

Removable, adjustable straps. black

Fastening ring

SS A4

Bushing

SS aluminium bushing

Strap adjustment

Ratchet buckles and cam buckles

Accessories

Protection. straps and fasteners
Adjustable anti-wear pads
Cut-outs and step pieces
Hand crank or motor (option)



BWT MAMBO

Mambo bar covers are made of a very strong (650g/m²). PVC coated, polyester fabric, both surfaces are anti-UV treated. The cover fabric is continuous underneath the bars for increased strength and durability.

Lacquered aluminium bars the same colour as the cover strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

TECHNICAL DATA

Maximum dimensions

12x5

Peripheral overlap

0.20 m

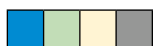
Bars

Lacquered aluminium the same colour as the material

PVC coated polyester

650 g/m²

Colours



Finish along the length

As cut + battening eyelets

Finish along the width

Removable, adjustable straps – black

Fastening ring

SS A4

Bushing

SS aluminium bushing

Strap adjustment

Ratchet buckles

Accessories

Protection. straps and fasteners
Adjustable anti-wear pads
Cut outs and step pieces
Hand crank or motor (option)



BWT CBE-650

CBE-650 bar covers are made of an extremely strong (650g/m²), anti-UV treated polyester material.

The fabric is unbroken where it passes under the bars ensuring increased mechanical strength.

Anodised, aluminium bars strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

TECHNICAL DATA

Maximum dimensions

12x5

Peripheral overlap

0.20 m

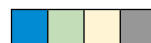
Bars

Grey anodised aluminium

PVC coated polyester

650 g/m²

Colours



Finish along the length

As cut

Finish along the width

Removable, adjustable straps – black

Fastening ring

SS A4

Bushing

SS-aluminium bushing

Strap adjustment

Safety buckles

Accessories

Adjustable anti-wear pads
Cut-outs and step pieces
Hand crank or motor (option)



FASTLINE

FAST TRACKED PRODUCTION

BAR COVERS

YOUR BAR COVER
MANUFACTURER IN
JUST 5 DAYS



AVAILABLE
YEAR ROUND



USE AQUASOFT TO
SIMPLIFY PLACEMENT OF
YOUR ORDER



THE FASTLINE SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPI'S PROFESSIONAL
CLIENTS.

THIS SERVICE, WHICH IS
AVAILABLE YEAR ROUND
ALLOWS PROFESSIONAL CLIENTS
TO OBTAIN **BAR COVERS** WITHIN A
SHORT, GUARANTEED LEAD TIME.



LEAD TIMES

FASTLINE BAR COVERS D+5,
for bar covers.

The manufacturing lead time starts on D day, the day that Procopi receives the order from its professional client for a cover that may be manufactured as described.

The manufacturing lead time is expressed in working days, departure from our factor.

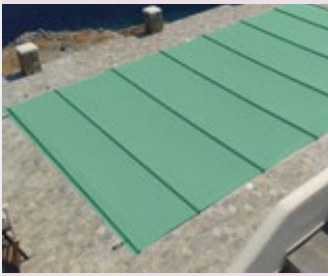
PRICE

For the Fastline the professional client will be invoiced a surcharge equal to +10%.



Fastline service terms and conditions are available on procopi.com

BWT CALYPSO



Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.40 m x 4.40 m	37		
9.00 m x 4.00 m	9.40 m x 4.40 m	41		
10.00 m x 5.00 m	10.40 m x 5.40 m	56		

BWT MAMBO

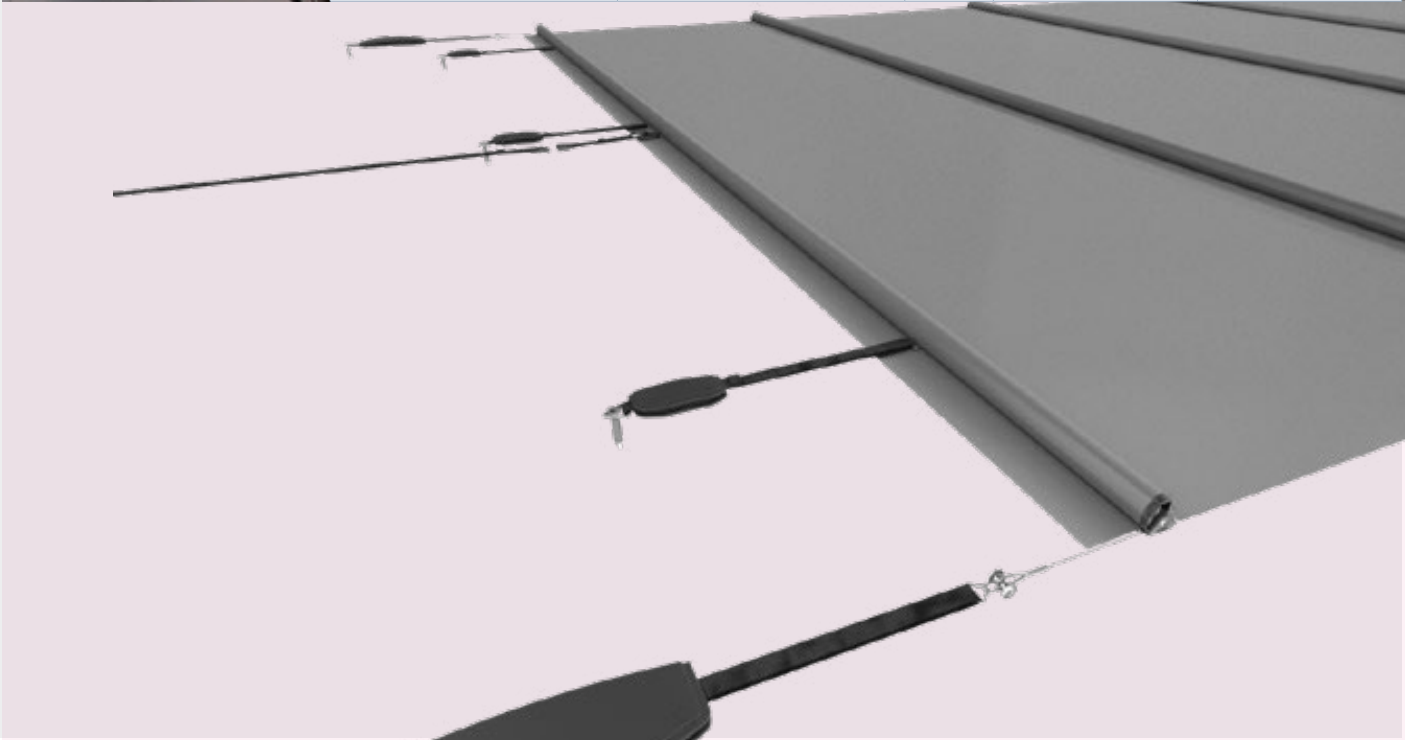


Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.40 m x 4.40 m	37		
9.00 m x 4.00 m	9.40 m x 4.40 m	41		
10.00 m x 5.00 m	10.40 m x 5.40 m	56		

BWT CBE-650



Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.40 m x 4.40 m	37		
9.00 m x 4.00 m	9.40 m x 4.40 m	41		
10.00 m x 5.00 m	10.40 m x 5.40 m	56		



SDPT | PROTECTIVE & SAFETY COVERS



The Calypso bar cover is made of extremely strong (650g/m²). PVC coated polyester fabric. Both surfaces are anti UV treated. The cover fabric is continuous underneath the bars for increased strength and durability.


Lacquered aluminium bars the same colour as the cover strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

To ensure the safety of young children and pets, a PVC sheathed stainless steel cable is fitted along each length of the Calypso cover to stiffen the edges of the cover and prevent anyone from sliding underneath. Calypso covers are particularly suited to regions subject to strong winds.

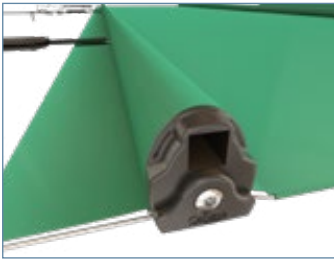
All the fasteners are covered with protective sleeves to prevent abrasion while the cover is being rolled out. Using a motorised crank (available separately), a 10 m long Calypso cover can be rolled up effortlessly in less than a minute.

The cover is deployed by pulling on a strap that can be detached from the cover and stored when the cover is to be left in place for long periods of time.

Available colours: blue, beige, green and grey.

 Pool ladders fixed in position can be fitted with hinges. see page 120.

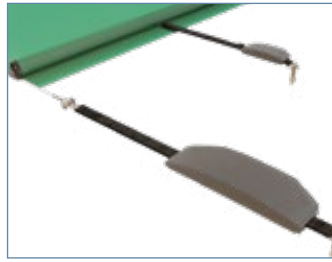
Fastening and finish details



View showing the end of a cover bar with a safety and tensioning cable. The lacquered aluminium bars are the same colour as the cover material.



Tensioning and fastening strap featuring a ratchet buckle on each strap along the cover lengths and a cam buckle on each strap across the cover width.







Sheath to protect the tensioning and fastening assembly once the cover has been deployed over the pool.



Detail of the stainless steel and aluminium Ø 8 mm bushing for the tensioning and fastening assembly.

Non standard

	Calypso covers. width less than 5.45 m		Calypso covers. width less than 4.45 m		Calypso cover. width less than 3.45 m	
	6410400		6410200		6410000	
	6412400		6412200		6412000	
	6414400		6414200		6414000	
	6416400		6416200		6416000	

+ CAUTION: The prices listed above do not include the crank (hand-crank or motorised crank).



+ The motorised crank is automatically included with covers longer than 12 m.

Accessories

	Code	Description	Price
1	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)	
	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)	Set of 2. per unit
2	6409060	Motorised crank for Calypso. Mambo and CBE-650 covers	Delivered with 2 batteries and 1 charger





The Mambo bar cover is made of extremely strong (650g/m²). PVC coated polyester fabric, both surfaces are anti UV treated. The cover fabric is continuous underneath the bars for increased strength and durability.

Lacquered aluminium bars the same colour as the cover strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

Mambo covers feature eyelets the same colour as the cover fabric along both lengths to allow attachment of bungee straps (option) in regions that experience strong winds, and to optimise the safety of young children and pets.

All the fasteners are covered with protective sleeves to prevent abrasion while the cover is being rolled out.

Using a motorised crank (purchased separately), a 10 m long Mambo cover can be rolled up effortlessly in less than a minute.

The cover is deployed by pulling on a strap that can be detached from the cover and stored when the cover is to be left in place for long periods of time.

Available colours: blue, beige, green and grey.

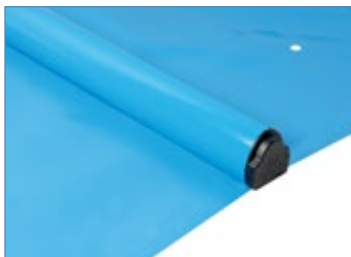


Pool ladders fixed in position can be fitted with hinges, see page 120.

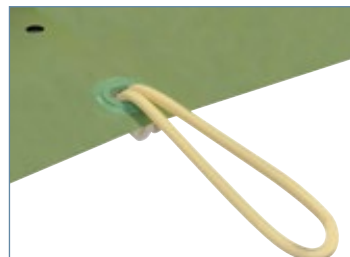
Fastening and finish details



Tensioning and fastening assembly at the end of the cover


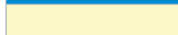
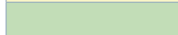
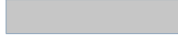


The aluminium bars of Mambo covers are lacquered to match the colour of the cover.



Anchoring system designed for use in regions subject to strong winds (option).

Non standard

	Mambo cover less than 5.45 m wide	Mambo cover less than 4.45 wide	Mambo cover less than 3.45 wide
	6310400	6310200	6310000
	6312400	6312200	6312000
	6314400	6314200	6314000
	6316400	6316200	6316000

+ CAUTION: The prices listed above do not include the crank (hand-crank or motorised crank).



+ The motorised crank is automatically included with covers longer than 12 m.

accessories

	Code	Description	Price
1	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)	
	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)	Set of 2. per unit
2	6409060	Motorised crank for Calypso. Mambo and CBE-650 covers	Delivered with 2 batteries and 1 charger



MOTORISED CRANK

2



The CBE-650 bar cover is made of extremely strong (650g/m²). PVC coated polyester fabric, both surfaces are anti UV treated. The CBE-650 bar cover is made of extremely strong (650g/m²). PVC coated polyester fabric, both surfaces are anti UV treated.

Anodised aluminium bars the same colour as the cover strengthen and stiffen the cover allowing it to support the weight of a child falling onto it without sustaining any damage.

Using a motorised crank (purchased separately), a 10 m long CBE-650 cover can be rolled up effortlessly in less than a minute.

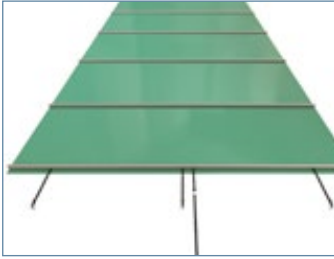
The cover is deployed by pulling on a strap that can be detached from the cover and stored when the cover is to be left in place for long periods of time.

Available colours: blue, beige, green and grey.



Pool ladders fixed in position can be fitted with hinges, see page 120.

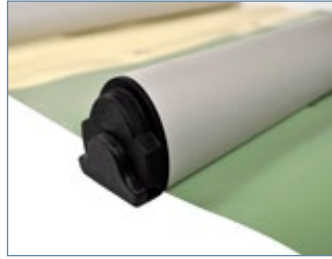
Fastening and finish details



Fastening straps at the end of the cover




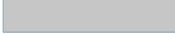


The cover is deployed by pulling on a central strap that may be detached and stored when the cover is left in place for long periods of time.



Anchoring system designed for use in regions subject to strong winds (option).

Non standard

	CBE-650 cover less than 3.45 m wide	CBE-650 cover less than 4.45 m wide	CBE-650 cover less than 5.45 m wide
	6310401	6310201	6310001
	6312401	6312201	6312001
	6314401	6314201	6314001
	6316401	6316201	6316001

+ CAUTION: The prices listed above do not include the crank (hand-crank or motorised crank).



+ The motorised crank is automatically included with covers longer than 12 m.

accessories

	Code	Description	Price
1	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)	
	6409050	Hand crank (2 hand cranks are required for covers wider than 4.90 m)Set of 2, per unit	
2	6409060	Motorised crank for Calypso. Mambo and CBE-650 covers Delivered with 2 batteries and 1 charger	



BAR COVERS

BWT STEP PIECES FOR CALYPSO AND MAMBO COVERS

Families 6870 & 6880

	Steps across the width < 3.50 m		Steps across the width >= 3.50 m		Steps across the length < 3.50 m		Steps across the length >= 3.50 m	
	6420000		6430000		6460000		6470000	
	6422000		6432000		6462000		6472000	
	6424000		6434000		6464000		6474000	
	6426000		6436000		6466000		6476000	

BWT STEP PIECES FOR CBE-650 COVERS

Family 6890

	Steps across the width < 3.50 m		Steps across the width >= 3.50 m		Steps across the length < 3.50 m		Steps across the length >= 3.50 m	
	6320001		6330001		6360001		6370001	
	6322001		6332001		6362001		6372001	
	6324001		6334001		6364001		6374001	
	6326001		6336001		6366001		6376001	

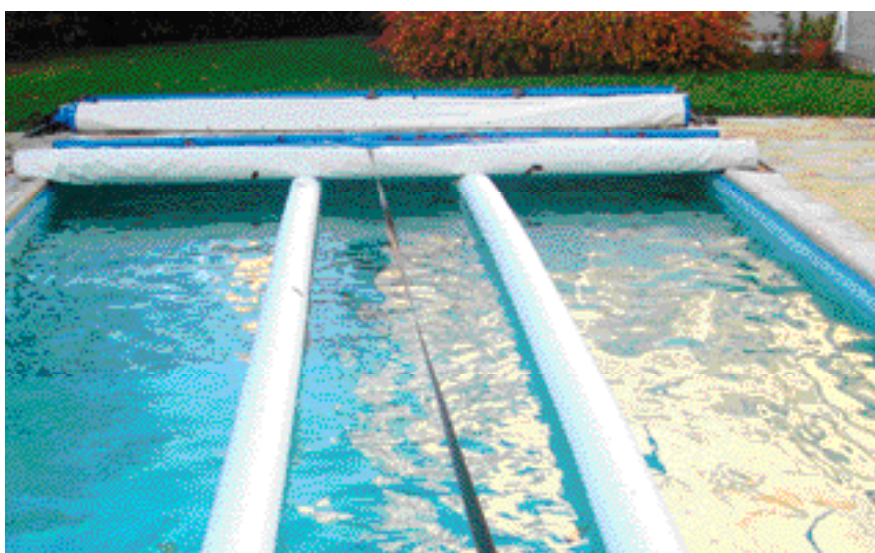
+ CAUTION: The prices listed above indicate the surcharge to be added to the price of Calypso, Mambo and CBE-650 standard and non-standard covers.

BWT WINTERIZING KIT FOR BAR COVERS

Family 6880

Technical data

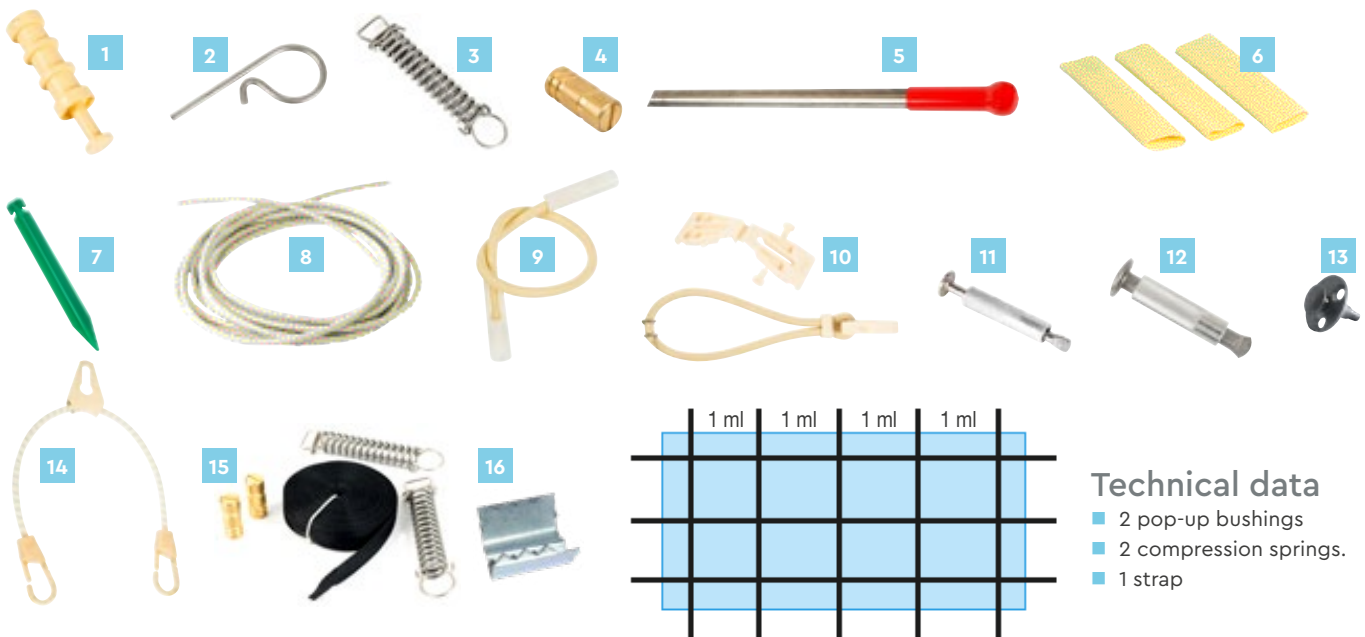
- Inflatable floats in 0.50 mm PVC with an inflation valve and eyelets for fastening the float in position.
- 2 Floats for pools less than or equal to 4 m wide.
- 3 Floats for pools more than 4 m wide.
- Fastening fittings and straps.
- 1 Foot pump.



Code	Description	Price
6480200	Bar cover winterizing kit for pools up to 8 × 4 m	
6480300	Bar cover winterizing kit for pools up to 9 × 4 m	
6480600	Bar cover winterizing kit for pools up to 10 × 5 m	
6480700	Bar cover winterizing kit for pools up to 11 × 5 m	
6480800	Bar cover winterizing kit for pools up to 12 × 5 m	

ACCESSORIES FOR WINTER COVERS

Family 7800



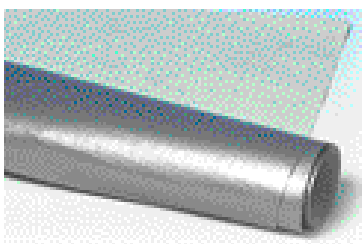
Technical data

- 2 pop-up bushings
- 2 compression springs.
- 1 strap

	Code	Description	Price
1	2397014	Anchor bushing. outer Ø 16 mm. beige with removable plug	
2	2397015	Stainless steel eye bolt. Ø 6 mm	
3	2394010	Winter cover spring	
4	2394011	Brass pop-up anchor. Ø 22 mm. brass	
5	2394012	Installation rod to lever the spring over anchors	
6	2394520	Protective PVC sleeves for cover springs	
7	2397022	PVC peg for grass. 30 cm	
	2397016	PVC plug for stainless steel peg	
8	2397050	Bungee cord 8 mm beige	per m
9	2398001	Cabiclic double	
10	2396011	Fixkit for peripheral snap rod finish	
11	6409034	Anchor bushing. Ø 10 mm. Stainless steel	
12	6409044	Anchor bushing. Ø 12 mm. Stainless steel	
13	6389034	Bushing to fasten winter covers to a wooden deck	
14	2398002	Standardised individual bungee strap. 600 mm	per unit
15	2394020	Strap kit with springs. less than 8m	
	2394030	Strap kit with springs. for large pools between 8 and 15 m	
	2397511	Winterizing air pillow. 1.50 × 1.50 m	
	2397512	Winterizing air pillow. 1.50 × 4.00 m	
	2397510	Removable water bags. max length 4 m. for water bag covers	
16	2397017	Bungee strap buckle	

ACCESSORIES FOR SUMMER COVERS

Family 7800



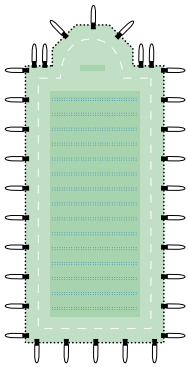
Code	Description	Price
2391023	PVC eyelet for bubble cover	
1869059	Bungee cords for cover roller bag of 13 bungee straps	
2391050	Protective sheet for cover. width 4 m + 3 bungee cords	
2391052	Protective sheet for cover. width 5 m + 3 bungee cords	
2391054	Protective sheet for cover. width 6 m + 3 bungee cords	
2391056	Protective sheet for cover. width 7 m + 3 bungee cords	
2391041	Set of 3 bungee straps for bubble cover	





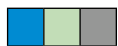
**BWT EPERVIER
STANDARD SAFETY
COVER**

Epervier is an opaque cover made of prestresse, woven polyester induction impregnated with PVC.



TECHNICAL DATA

Colours



Material

Prestressed woven polyester impregnated with PVC.

Drainage of rain water

Micro-perforations over the entire surface of the cover.

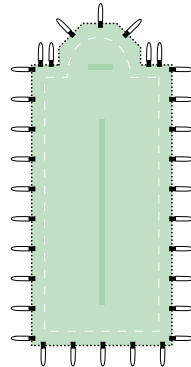
Fastening system

All types.



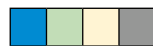
**BWT WINTERSAFE
STANDARD SAFETY
COVER**

Wintersafe is an opaque, PVC coated reinforced woven 650g polyester cover.



TECHNICAL DATA

Colours



Material

PVC coated. reinforced. woven 650g polyester fabric

Drainage of rain water

Perforations located in the centre of the cover. Hole diameter 18 mm.

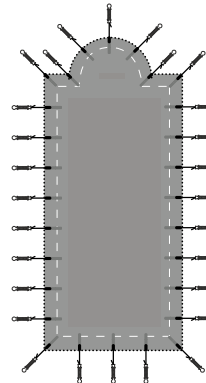
Fastening system

Outer snap rod + Fixit.



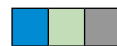
**BWT AQUATEX
STANDARD COVER**

Aquatex is a very strong, light weight cover made of woven, reinforced polyester mesh that is induction impregnated with PVC.



TECHNICAL DATA

Colours



Material

Reinforced polyester mesh fabric induction impregnated with PVC.

Drainage of rain water

Water drains through the mesh fabric.

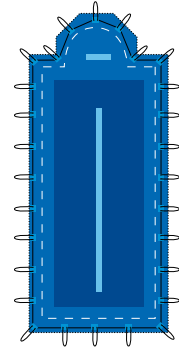
Fastening system

All types.



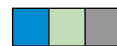
**BWT HIVERLUX
STANDARD COVER**

Hiverlux is an opaque, PVC coated, reinforced, woven polyester cover.



TECHNICAL DATA

Colours



Material

PVC coated. reinforced. woven. polyester fabric.

Drainage of rain water

Perforations in the centre of the cover. Hole diameter 4 mm.

Fastening system

All types.



FASTLINE

FAST TRACKED PRODUCTION

WINTER COVERS

YOUR WINTER COVER
MANUFACTURER IN
JUST 5 DAYS



AVAILABLE
YEAR ROUND



USE AQUASOFT TO
SIMPLIFY PLACEMENT OF
YOUR ORDER



THE FASTLINE SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPI'S
PROFESSIONAL CLIENTS.

THIS SERVICE, WHICH IS
AVAILABLE YEAR ROUND
ALLOWS PROFESSIONAL CLIENTS
TO OBTAIN **WINTER COVERS** WITHIN A
SHORT, GUARANTEED LEAD TIME.



LEAD TIME

FASTLINE WINTER COVERS D+5,
for bar covers.

The manufacturing lead time starts on D day, the day that Procopi receives the order from its professional client for a cover that may be manufactured as described.

The manufacturing lead time is expressed in working days, departure from our factor.

PRICE

For the Fastline the professional client will be invoiced a surcharge equal to +15%.



Fastline service terms and conditions are available on procopi.com

BWT EPERVIER - STANDARD SAFETY COVER



Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.70 m x 4.70 m	41		
9.00 m x 4.00 m	9.70 m x 4.70 m	46		
10.00 m x 5.00 m	10.70 m x 5.70 m	61		
11.00 m x 5.00 m	11.70 m x 5.70 m	67		
12.00 m x 5.00 m	12.70 m x 5.70 m	72		
12.00 m x 6.00 m	12.70 m x 6.70 m	85		

BWT WINTERSAFE - STANDARD SAFETY COVER



Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.70 m x 4.70 m	41		
9.00 m x 4.00 m	9.70 m x 4.70 m	46		
10.00 m x 5.00 m	10.70 m x 5.70 m	61		
11.00 m x 5.00 m	11.70 m x 5.70 m	67		
12.00 m x 5.00 m	12.70 m x 5.70 m	72		
12.00 m x 6.00 m	12.70 m x 6.70 m	85		

BWT AQUATEX - STANDARD COVER



Pool dimensions	Cover dimensions	m ²	Price	Price per m ²
8.00 m x 4.00 m	8.80 m x 4.80 m	42		
9.00 m x 4.00 m	9.80 m x 4.80 m	47		
10.00 m x 5.00 m	10.80 m x 5.80 m	63		
11.00 m x 5.00 m	11.80 m x 5.80 m	68		
12.00 m x 5.00 m	12.80 m x 5.80 m	74		
12.00 m x 6.00 m	12.80 m x 6.80 m	87		

BWT HIVERLUX - STANDARD COVER



Pool dimensions	Cover dimensions	m ²	Price	Price
8.00 m x 4.00 m	8.70 m x 4.70 m	41		
9.00 m x 4.00 m	9.70 m x 4.70 m	46		
10.00 m x 5.00 m	10.70 m x 5.70 m	61		
11.00 m x 5.00 m	11.70 m x 5.70 m	67		
12.00 m x 5.00 m	12.70 m x 5.70 m	72		
12.00 m x 6.00 m	12.70 m x 6.70 m	85		

WINTER & SAFETY COVERS

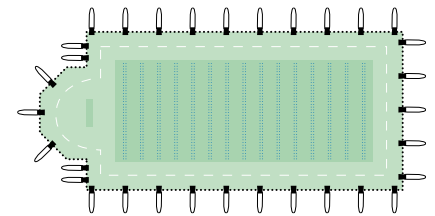
BWT EPERVIER® - SAFETY COVER - STANDARD

Family 7200




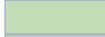
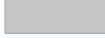
- A wide reinforcing band around the edge protects the cover against wear and tear caused by friction with the ground.
- The surface in contact with the ground is beige coloured to prevent staining of the coping.
- The cover features micro-perforations over its entire surface. These allow rain to drain off but are impervious to light.
- Epervier covers come with a protective storage bag and a second bag to store accessories.


Colours: blue/beige, green/beige or grey/beige



BWT EPERVIER® - SAFETY COVER - PRICE PER M²

Family 7200

Colour	Double eyelet + Peripheral bungee strap		Double eyelet + Individual bungee strap		Outer snap rod + Fixkit		Strap + Stainless steel bushing		Strap + Pop-up bushing	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	8303000		8303050		8323000		8343000		8343010	
	8313000		8313050		8333000		8353000		8353010	
	8363000		8363050		8383000		8373000		8373010	

 • With the exception of the Double Eyelet Peripheral Strap and Double Eyelet Individual Strap systems, the finish and fastening systems described above comply with the French safety standard NF P 90-308.

BWT EPERVIER® - STEP AND LADDER PIECES

Family 7200

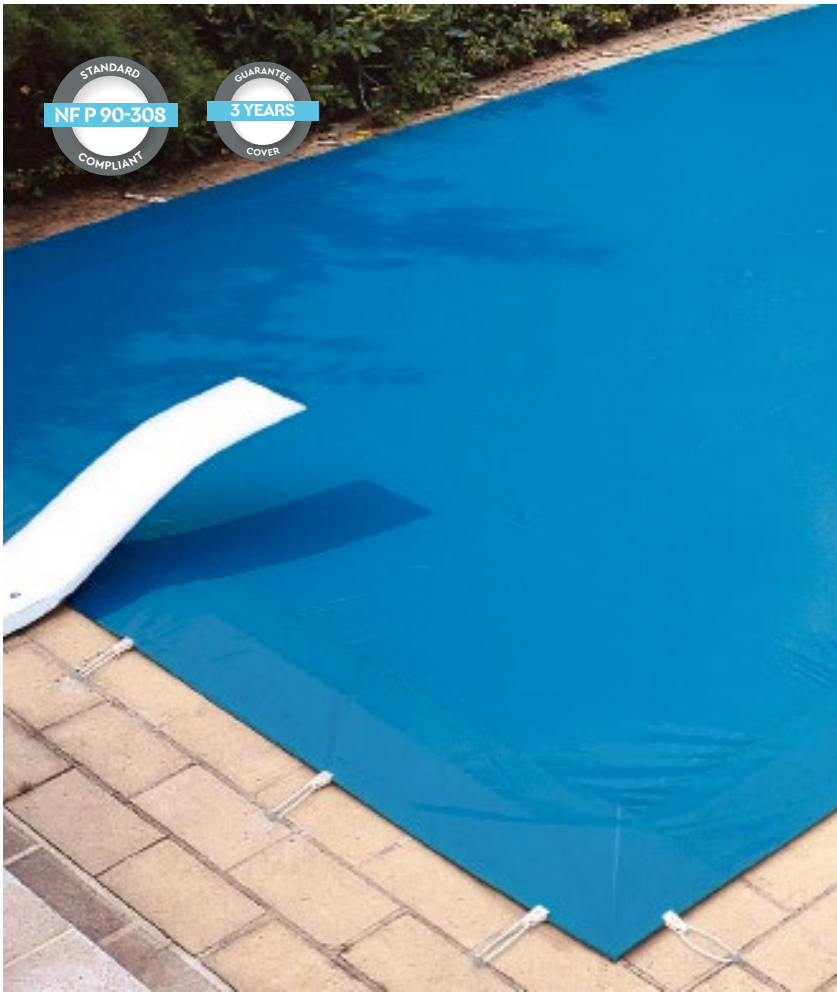
Prices indicated below should be added to the price of the Epervier cover.



	Blue	Almond green	Grey
Straight side steps	2253500	2253600	2253800
Price			
Roman steps	2263500	2263600	2263800
Price			
Steps, other shapes	2283500	2283600	2283800
Price			
Ladder cut-out	8329000	8339000	8389000
Price			

BWT WINTERSAFE® - SAFETY COVER - STANDARD

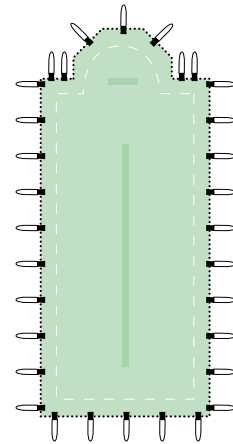
Family 7200



Wintersafe is an opaque, PVC coated reinforced woven 650g polyester cover.



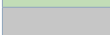
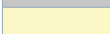
- The surface in contact with the ground is beige to prevent discolouration of the coping.
- Cleverly spaced perforations allow rain water to drain rapidly, thus avoiding the formation of water pockets.
- Covers with step pieces and free form covers feature additional perforations.
- Wintersafe's PVC coating is UV stabilised and is not deteriorated by chlorinated products.
- The cover is edged with a continuous extruded PVC snap rod designed to receive Fixkits that are fastened to the ground with anchors and bushings.
- Wintersafe covers come with a protective storage bag and a second bag for storing accessories.

Colours: blue/beige, green/beige, grey/beige and beige/beige.



BWT WINTERSAFE® - SAFETY COVER - PRICE PER M²

Family 7200

Colour	Outer snap rod + Fixkit	Code	Description	Price
			8328000	Wintersafe cover. blue. per m ²
	8338000	Wintersafe cover. green. per m ²		
	8388000	Wintersafe cover. grey. per m ²		
	8398000	Wintersafe cover. beige. per m ²		

Standard compliant NF P 90-308

BWT WINTERSAFE® - STEP AND LADDER PIECES

Family 7200

Prices quoted below should be added to the price of the Wintersafe cover.



	Blue	Almond green	Grey	Beige
Straight side steps	2253500	2253600	2253800	2253900
Price				
Roman steps	2263500	2263600	2263800	2263900
Price				
Steps. other shapes	2283500	2283600	2283800	2283900
Price				
Ladder cut-out	8329000	8339000	8389000	8399000
Price				

BWT AQUATEX - STANDARD COVERS

Family 7200



Aquatex is a very strong, light-weight mesh cover made from woven, reinforced PVC coated polyester.

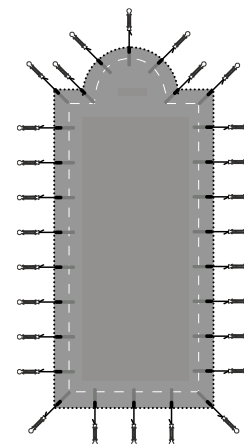
The surface in contact with the coping is edged with a wide reinforcing strip to protect it where it comes into contact with the ground.

The surface in contact with the ground is beige coloured to prevent staining of the coping.

Conventionally, Aquatex is edged with individual bungee cord straps that are attached to dynamometric springs fastened to the ground using anchors and bushings.



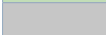
Aquatex covers are delivered with a protective bag and a second bag to store accessories.

Colours: blue/beige. green/beige. grey/beige



BWT AQUATEX - COVER PRICE PER M²

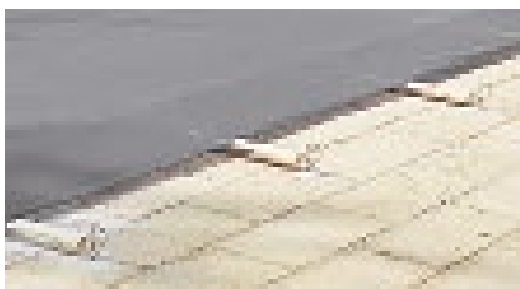
Family 7200

Colour	Double eyelet + Peripheral bungee strap		Double eyelet + Individual bungee strap		Outer snap rod + Fixkit		Strap + Stainless steel bushing		Strap + Pop-up bushing	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	8305000		8305050		8325000		8345000		8345010	
	8315000		8315050		8335000		8355000		8355010	
	8395000		8365050		8385000		8375000		8375010	

BWT AQUATEX - STEP AND LADDER PIECES

Family 7200

Prices indicated below should be added to the price of the Aquatex cover.



	Blue	Almond green	Grey
Straight side steps	2251200	2251300	2251900
Price			
Roman steps	2261200	2261300	2261900
Price			
Steps. other shapes	2281200	2281300	2281900
Price			
Ladder cut-out	8349100	8359100	8389100
Price			

BWT HIVERLUX - COVER PRICE PER M²

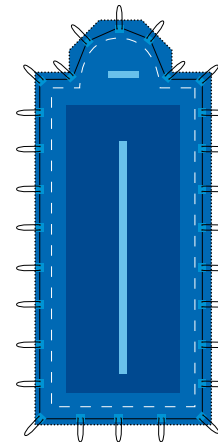
Family 7200



Hiverlux is an opaque, PVC coated, reinforced woven polyester cover.

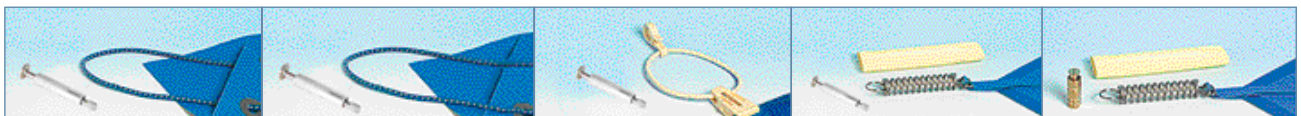
- A wide reinforcing band around the edge protects the cover against wear and tear caused by friction with the ground.
- The surface in contact with the ground is beige coloured to prevent staining of the coping.
- Cleverly spaced perforations allow rain water to drain rapidly thus avoiding the formation of water pockets.
- Hiverlux covers come with a protective storage bag and a second bag for storing accessories.



Colours: blue/beige or green/beige



BWT HIVERLUX - COVER PRICE PER M²

Family 7200

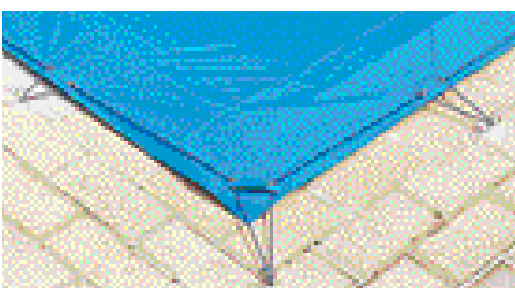


Colour	Double eyelet + Peripheral bungee strap		Double eyelet + Individual bungee strap		Outer snap rod + Fixkit		Strap + Stainless steel bushing		Strap + Pop-up bushing	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
	8301000		8301050		8321000		8341000		8341010	
	8311000		8311050		8331000		8351000		8351010	

BWT HIVERLUX - STEP AND LADDER PIECES

Family 7200

Prices indicated below should be added to the price of the Hiverlux cover.



	Blue	Almond green
Straight side steps	2252600	2252700
Price		
Roman steps	2262600	2262700
Price		
Steps, other shapes	2282600	2282700
Price		
Ladder cut-out	8309100	8319100
Price		



FASTLINE

FAST TRACKED PRODUCTION

BUBBLE COVERS

YOUR BUBBLE COVER
MANUFACTURER IN
JUST 3 DAYS



AVAILABLE
YEAR ROUND



USE AQUASOFT TO
SIMPLIFY PLACEMENT OF
YOUR ORDER



THE FASTLINE SERVICE IS RESERVED
EXCLUSIVELY FOR PROCOPI'S
PROFESSIONAL CLIENTS.

THIS SERVICE, WHICH IS
AVAILABLE YEAR ROUND
ALLOWS PROFESSIONAL CLIENTS
TO OBTAIN **BUBBLE COVERS** WITHIN A
SHORT, GUARANTEED LEAD TIME.



LEAD TIMES

FASTLINE BUBBLE COVERS D+5,
for bar covers.

The manufacturing lead time starts on D day, the day that Procopi receives the order from its professional client for a cover that may be manufactured as described.

The manufacturing lead time is expressed in working days, departure from our factor.

PRICE

For the Fastline the professional client will be invoiced a surcharge equal to +20%.



Fastline service terms and conditions are available on procopi.com



BWT SUPER 500

Super-500 covers are made of UV stabilised polyethylene film with an innovative "GeoBubble" bubble shape. Two finishes are available:

- Standard finish
- Reinforced band finish

Super 500 covers feature the following:

- Patented leaf collector net welded to the cover.
- Reflective, protective tarpaulin with 3 fastening straps.
- Eyelets to attach the roller and eyelets in the corners at the opposite end to the rollers

TECHNICAL DATA

Thickness: 500 microns

Bubble type: GeoBubble

Colour

Blue GeoBubble	
Grey blue EnergyGuard	

Available finishes

Standard	
Reinforced band	



BWT CLASSIC 500

Classic-500 covers are made of UV stabilised polyethylene film with an innovative 'GeoBubble' bubble shape. Two finishes are available:

- Standard finish
- Reinforced band finish

Classic-500 covers feature the following:

- Reflective, protective tarpaulin with three fastening straps.
- Eyelets to attach the roller and tensioning strap eyelets in each corner at the opposite end to the roller.

TECHNICAL DATA

Thickness: 500 microns

Bubble type: GeoBubble

Colour

Blue GeoBubble	
Grey blue EnergyGuard	

Available finishes

Standard	
Reinforced band	



BWT SUPER 400

Super-400 covers are made of UV stabilised polyethylene film. Two finishes are available:

- Standard finish
- Reinforced band finish

Super-400 covers feature the following:

- Patented leaf collector net, welded to the cover.
- Reflective, protective tarpaulin with three fastening straps.
- Eyelets to attach the roller and tensioning strap eyelets.

TECHNICAL DATA

Thickness: 400 microns

Bubble diameter: 10 mm

Colour

Blue	
Silver	

Available finishes

Standard	
Reinforced band	



BWT CLASSIC 300 & 400

Classic-300 and Classic-400 covers are made of UV stabilised polyethylene film. Three finishes are available:

- Unhemmed finish
- Standard finish
- Reinforced band finish

Classic-300 and Classic-400 covers feature the following:

- Reflective, protective tarpaulin (except for covers with an unhemmed finish) with 3 fastening straps.
- Eyelets to attach the roller and eyelets in each corner at the opposite end to the roller. (except for covers with an unhemmed finish).

TECHNICAL DATA

Thickness: 300 / 400 microns

Bubble diameter: 10 mm

Colour

Blue	
Silver	
Translucent	

Available finishes

Unhemmed	
Standard	
Reinforced band	

SURFACE AREA CALCULATIONS

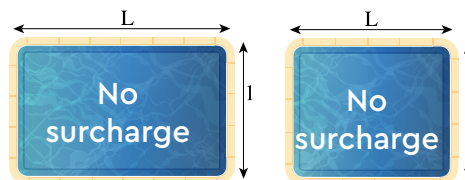


Summer and winter covers are invoiced according to a tariff per m² and the surface area calculated as described below. The surface area is calculated based on both the pool dimensions and the complexity of the pool shape. Step pieces and cut-outs (ladders, filtration units, etc.) are dealt with separately, fixed prices apply. see the following pages for details. During the first weeks, covers shrink by 1%. For this reason they are made slightly bigger than the pool. In the event of a guarantee claim, please submit all relevant documents and arguments by recommended letter with acknowledgement of receipt.

SURFACE AREA AND PRICE CALCULATIONS

Simple shape

A simple shape is rectangular or square and is perfectly symmetrical. The calculation formulae shown apply without any additional charge.



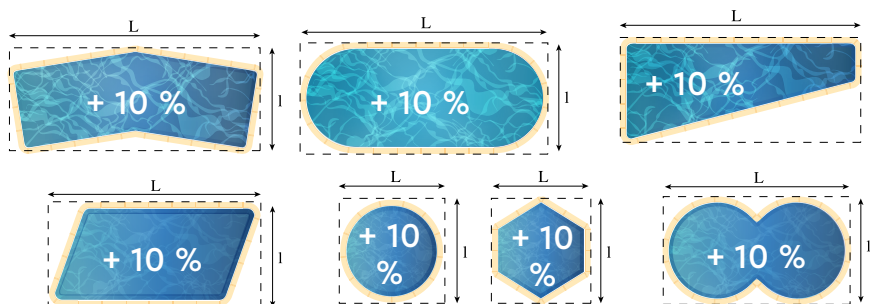
Surface area = $L \times W$

Geometric shape

A geometric shape is a perfectly symmetrical shape that may feature rounded corners, re-entrant corners or flattened corners and that may be drawn with a ruler or compass without any need for triangulation (point coordinates).

For geometric shapes, the surface area calculated by our design office is increased by 10%.

The price of a geometric shaped summer or winter cover is calculated by multiplying the surface area (+10%) by the price per m² indicated in the following pages.

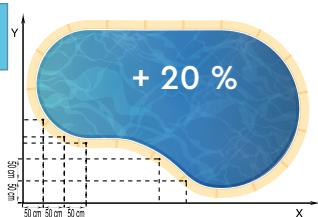


Surface area = $1.10 \times (L \times W)$ and
Price = Surface area \times Price per m²

Free form. triangulation diagram

If a triangulation diagram is supplied with the order, the cover's total net surface area is increased by 20 % .

Surface area = $1.20 \times (L \times W)$ and
Price = Surface area \times Price per m²



Free form with a template

A surcharge equal to 20% of the cover's total net surface area is applied if the pool shape is communicated using a template.

The manufacture of a summer or winter cover is also subject to an additional charge of €632.00 (discount to be deducted) to offset the cost of measuring the template and drawing up the triangulation diagram.

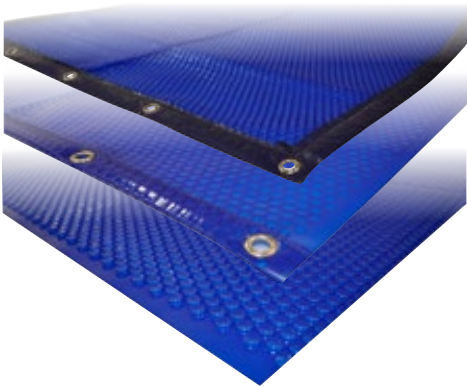


Surface area = $1.20 (L \times W)$ and
Price = Surface area \times Price per m² + € 632.00 exVAT



CAUTION! For winter covers, do not forget to add the following overlaps to the pool length and width:
0.40 m for bar covers (i.e. 0.20 m around the edge of the pool)
0.80 m for covers with straps (i.e. 0.40 around the edge of the pool)
0.70 m for covers with double eyelets edged with an extruded strip (i.e. 0.35 m around the edge of the pool).

Choice of finishes

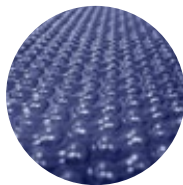


Reinforced band finish around the whole periphery of the cover. Reflective protective tarpaulin.

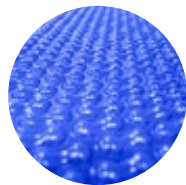
Standard finish: eyelets, hemmed across the width, edged down each length. Reflective protective tarpaulin.

Unfinished, no hem, no edging, no eyelets or protective reflective coating.

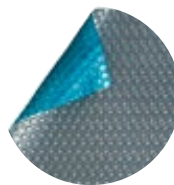
Colours and bubbles



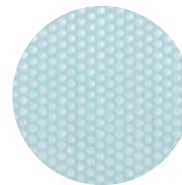
Blue grey EnergyGuard GeoBubble 500 microns



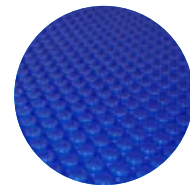
Blue GeoBubble 500 microns



Silver and blue 400 microns



Translucent 400 microns



Blue 300 and 400 microns

+ EnergyGuard GeoBubble bubble covers absorb and retain heat energy from the sun and inhibit photosynthesis.

BWT SUPER - 500

Family 7000

Super-500 covers are made of UV stabilised polyethylene film with an innovative "GeoBubble" bubble shape. Two finishes are available:

- Standard finish
- Reinforced band finish

Super 500 covers feature the following:

- Patented leaf collector net welded to the cover.
- Reflective, protective tarpaulin with 3 fastening straps.
- Eyelets to attach the roller and eyelets in the corners at the opposite end to the rollers



SOFT, PROTECTIVE & SAFETY COERS

Description	Blue GeoBubble	Price	Blue grey EnergyGuard GeoBubble	Price
Super-500 cover. standard finish per m ²	2085110		2085210	
Super-500 cover. reinforced band finish per m ²	2086110		2086210	

Classic-500 and Super-500 bubble cover material (geobubble) technical data



+ The leaf collector net is positioned on the side opposite the roller, it cannot be added to a cover with cut outs along this edge (filtration block, ladder, etc.)

- 1** Increased resistance to chemical attack compared to traditional bubbles
- 2** Large footprint to withstand air expansion
- 3** Smoothly curved wall, uniform thickness. 50% thicker than the weakest points of traditional bubbles.

SUMMER COVERS

BWT CLASSIC - 500

Family 7000

Classic-500 covers are made of UV stabilised polyethylene film with an innovative 'GeoBubble' bubble shape. Two finishes are available:

- Standard finish
- Reinforced band finish

Classic-500 covers feature the following:

- Reflective, protective tarpaulin, with three fastening straps.
- Eyelets to attach the roller and eyelets to attach the tensioning strap.



Description	Blue GeoBubble	Price	Blue grey EnergyGuard GeoBubble	Price
Classic 500 cover, standard finish per m ²	2085100		2085200	
Classic 500 cover, reinforced band finish per m ²	2086100		2086200	

BWT SUPER - 400

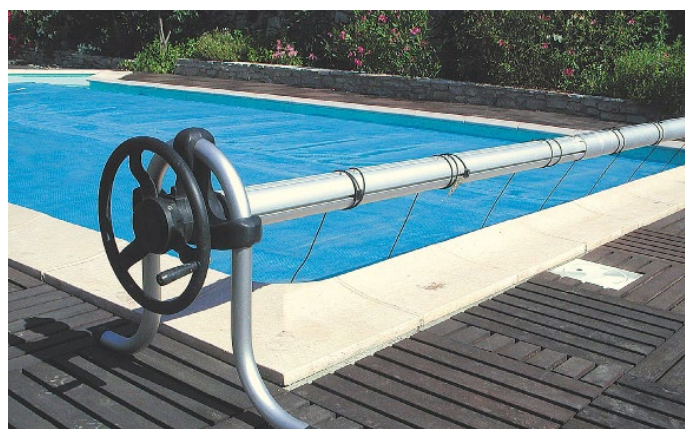
Family 7000

Super-400 covers are made of UV stabilised polyethylene film. Two finishes are available:

- Standard finish
- Reinforced band finish

Super-400 covers feature the following:

- Patented leaf collector net, welded to the cover.
- Reflective, protective tarpaulin with three fastening straps.
- Eyelets to attach the roller and tensioning strap eyelets.



+ The leaf collector net is positioned on the side opposite the roller, it cannot be added to a cover with cut outs along this edge (filtration block, ladder, etc.)

Description	SUPER-400 SILVER	Price	SUPER-400 BLUE	Price
Super-400 cover, standard finish per m ²	2005100		2015100	
Super-400 cover, reinforced band finish per m ²	2006100		2016100	

BWT CLASSIC® 300 AND 400

Family 7000

Classic-300 and Classic-400 covers are made of UV stabilised polyethylene film. Three finishes are available:

- Unhemmed finish
- Standard finish
- Reinforced band finish

Classic-300 and Classic-400 covers feature the following:

- Reflective, protective tarpaulin (except for covers with an unhemmed finish) with 3 fastening straps.
- Eyelets to attach the roller and eyelets in each corner at the opposite end to the roller, (except for covers with an unhemmed finish).



Description	CLASSIC-300 BLUE	Price	CLASSIC-400 BLUE	Price	CLASSIC-400 Translucent	Price	CLASSIC-400 SILVER	Price
Unfinished, per m ²	2067100		2037100		2077100		2027100	
Standard finish, per m ²	2065100		2035100		2075100		2025100	
Reinforced band finish, per m ²	2066100		2036100		2076100		2026100	

BWT LADDER CUT-OUTS AND ADDITIONAL EYELETS

Family 7000

The options for additional eyelets or step pieces is available for all bubble covers.

The step pieces for the Super-400 and 500. and Classic 300, 400 and 500 are the same. they feature:

- a reinforced band around the periphery if the cover has a standard or reinforced band finish.
- an unhemmed finish if the cover finish is unhemmed.

The prices opposite correspond to the supplement to be added to the price of the isothermal covers.

Reinforced band finish :

Description	Straight steps		Roman steps		Steps. any other shape	
	Code	Price	Code	Price	Code	Price
Super-500 and Classic-500 blue	2250010		2260010		2280010	
Super-500 and Classic-500 Energy guard	2250110		2260110		2280110	
Classic-300 blue	2250910		2260910		2280910	
Super-400 blue	2250810		2260810		2280810	
Classic-400 blue	2250810		2260810		2280810	
Classic-400 translucent	2250710		2260710		2280710	
Super-400 translucent	2250710		2260710		2280710	
Classic-400 silver	2250610		2260610		2280610	

Unhemmed finish

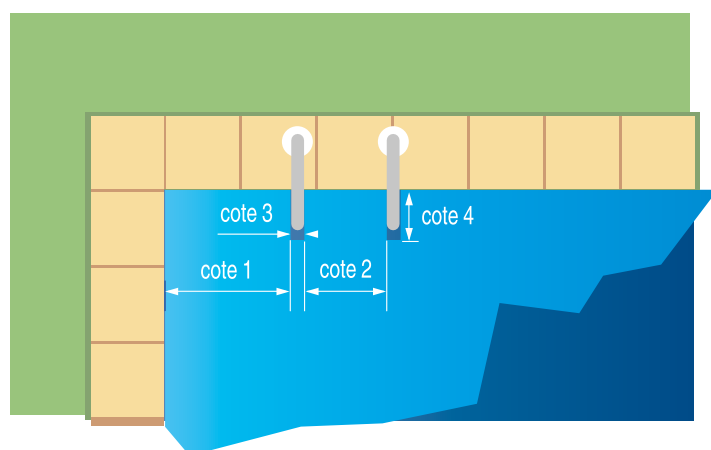
Description	Straight steps		Roman steps		Steps. any other shape	
	Code	Price	Code	Price	Code	Price
Classic-300 blue	2250920		2260920		2280920	
Classic-400 blue	2250820		2260820		2280820	
Classic-400 translucent	2250720		2260720		2280720	
Classic-400 silver	2250620		2260620		2280620	

BWT LADDER CUT-OUTS AND ADDITIONAL EYELETS

Family 7000

The options for additional eyelets or step pieces is available for all bubble covers.

Code	Description	Price
2005991	Ladder cutout	
2001980	Additional eyelet	



+ Do not forget to specify the side on which the cover roller is place. Indicate the dimensions of the ladder cut-out when you place your cover order.

BWT FINISH FOR COMMERCIAL POOL BUBBLE COVERS

Family 7000

Code	Description	Price
2038000	Finish for commercial pool bubble covers, per m ²	

This finish comprises:

- A hem and woven polyethylene reinforcement.
- A PVC tensioning bar, Ø 50, inserted in the hem.
- Pull ropes to facilitate unrolling the cover.

COVER ROLLERS

+ All portable cover rollers are equipped with an anodised aluminium, telescopic, 3-piece axle (1 exterior section Ø 95 mm. and 2 inner sections Ø 89 mm). The aluminium profiles are extruded and machined in France. The axle, that features a groove to slot in the cover attachment straps, is available in 3 lengths.

Our cover rollers are designed to stand behind coping stones 30 cm wide.

- Telescopic cover roller (3.10 to 4.65 m) for pools between 2.50 m and 4.00m wide (water surface)
- Telescopic cover roller (4.70 to 5.80 m) for pools between 4.00 m and 5.10 m wide (water surface)
- Telescopic cover roller (5.20 to 6.75 m) for pools between 5.00 m and 6.10 m wide (water surface)

■ It is always possible to adjust the length of the roller axle by cutting the two inner sections.

All of the cover rollers come with a synthetic resin fly-wheel, Ø 350 mm, and 13 bungee straps with clips (except G-10 with screw flanges for wooden pools – 15 bungee straps)



Omega roller

Aquaroll roller

G-10. anchor sockets

OMEGA®

Family 6800

Technical data

- Omega shaped end-stands made of Ø 40 mm anodised aluminium tubing, fitted fibreglass reinforced synthetic resin attachment flanges featuring integrated bearings.
- One stationary end-stand, one end-stand fitted with 2 wheels. Ø 170 mm.
- Device to block the axle.
- Axle height – 360mm. axle diameter – 95mm.
- Comes with 13 bungee straps.

Code	Description	Price
1861250	Omega mobile cover roller. interior pool width 2.50 to 4 m	
1861000	Omega mobile cover roller. interior pool width 4 to 5 m	
1861500	Omega mobile cover roller. interior pool width 5 to 6 m	
1861700	Omega mobile cover roller. interior pool width 6 to 7.5 m*	

* Roller designed for a maximum pool length of 12 m.

AQUAROLL®

Family 6800

Technical data

- Asymmetrical T-shaped end-stands for extra stability.
- 304 L SS tubes, Ø 40 mm, fitted with integrated axle bearings
- One bare end-stand, one end-stand fitted with 2 wheels, Ø 170 mm
- Axle height – 420 mm. axle diameter – 95 mm
- Comes with 13 bungee straps.

Code	Description	Price
1862250	Aquaroll mobile cover roller. interior pool width 2.5 to 4 m	
1862000	Aquaroll mobile cover roller. interior pool width 4 to 5 m	
1862500	Aquaroll mobile cover roller. interior pool width 5 to 6 m	

G-10® ANCHOR SOCKETS

Family 6800

Technical data

- Straight end-stands, 304-L stainless steel tubing, Ø 40 mm, to be inserted into two anchor sockets fitted with ABS escutcheon plates.
- Axle height – 350 mm. axle diameter – 95 mm.
- Comes with 13 bungee straps.

Code	Description	Price
1867250	G-10 anchor socket cover roller. interior pool width 2.5 to 4 m	
1867000	G-10 anchor socket cover roller. interior pool width 4 to 5 m	
1867500	G-10 anchor socket cover roller. interior pool width 5 to 6 m	



G-10. screw flanges



G-10. screw flanges for wooden pools

G-10® SCREW FLANGES

Family 6800

Technical data

- Straight end-stands, 304 L stainless steel tubing, Ø 40 mm, to be fastened to the ground with 304-L stainless steel flanges (screws and bushings provided).
- Axle height – 350 mm. axle diameter – 95 mm. Comes with 13 bungee straps.

Code	Description	Price
1868250	G-10 flange socket cover roller. interior pool width 2.5 to 4 m	
1868000	G-10 flange socket cover roller. interior pool width 4 to 5 m	
1868500	G-10 flange socket cover roller. interior pool width 5 to 6 m	

G-10® SCREW FLANGES FOR WOODEN POOLS

Family 6800

Technical data

- Straight end-stands, 304 L stainless steel tubing, Ø 40 mm, to be fastened to the ground with 304-L stainless steel flanges (screws and washers provided).
- Axle height – 350 mm. axle diameter – 95 mm.
- Comes with 15 bungee straps.
- This model is designed for installation on the coping, directly over the pool wall.

Code	Description	Price
1868200	G-10 flange socket cover roller. pool width 1.6–2.45m •	

• For wooden above-ground and octagonal pools. max. length 4.40 m.



PRECISIO

Family 6860



The Precisio alarm continuously analyses the underwater waves in your pool, it detects objects falling into the water and warns you by triggering a powerful siren. The autonomous Precisio alarm consists of a central detection unit that is fixed to the pool deck.

- Fitted with the latest technology, the alarm features a powerful CPU, capable of carrying out thousands of calculations per second, that continuously analyses the wave forms in your pool. Advanced signal processing allows the alarm to distinguish between an actual fall into the pool and disturbances caused by weather conditions or pool equipment in operation (robot, filtration, etc.).
- The modern design ensures that the alarm will blend easily into the pool surroundings.
- Precisio is very easy to install and is suitable for the monitoring of most pools. To use the pool, simply deactivate the alarm by entering your confidential code. The alarm will reset automatically after the last occupant leaves the pool.
- Precisio alarms are manufactured in an ISO9001 certified factory, a guarantee of dependability and reliability.

Code	Description	Price
6130600	Precisio alarm	

ESPIO®

Family 6860



Espio is a fall detection system designed for in-ground family pools (maximum dimensions: 10x5 m) that complies with the French pool safety standard NF P 90-307 A1.

Espio is installed under the pool coping, It is extremely discreet and compatible with most automatic covers.

The Espio control unit has been miniaturized to render it even more discreet.

- Espio is powered by 4 LR-20 alkaline batteries (supplied) and a remote control.
- Espio features a microprocessor that continuously monitors the pool status.
- In the event of a fall into the pool, Espio analyses the underwater wave and triggers a 100dB siren.
- After the last swimmer leaves the pool, Espio resets automatically.



	Code	Description	Price
1	6140000	Espio sub-coping alarm. white	
2	6140090	Espio automatic cover guide rail	
3	6140015	Remote control for Espio alarms*	

* Article available on order



No device can compare to direct supervision by an attentive adult. Constant vigilance and continuous supervision of children is necessary at all times, irrespective of the protective device installed. To ensure that the system is working correctly, test the alarm regularly following the recommendations provided by the manufacturer.



The VIGILANCE™ immersed alarm is a passive sonar system that detects sound waves in the pool.

Two sensors are installed in the pool and connected to the control unit. For larger pools, free form pools or overflow pools please contact your Procopi agency for a mandatory study and validation of the sensor positions.

It is designed to meet the stipulations of the French safety standard NF P 90-307-1 April 2009)

The Vigie kit comprises:

- 1 control unit, with integrated siren.
- 2 pre-cabled piezoelectric sensors (cable 20m long).
- 1 charger 230V/ 12V.
- 1 battery (autonomy over 6 hours).
- 1 remote control with 4 keys to control the unit from a distance and manage the winterizing function (comes with battery).
- Guaranteed 2 years.

Options:

- An unlimited number of VIGIE wrist bands
- Two optional wireless pre-alarm systems may also be connected to the control unit. The CORVIGIE door open sensor and the IREXVIGIE proximity sensor.

The sensors, which are the active part of the fall detection system, are placed under the water line.

This means that the VIGIE system is compatible with all conventional pools types, rectangular or oval, with skimmers, pools fitted with bar covers. The control unit, that is also fitted with a powerful siren, is wired into the mains.

Kit Vigie 255 M is available in 2 versions:

- One version with sensors to be mounted on the pool wall (glued sensors).
- One version with sensors to be mounted on two throughwall flanges (recessed sensors).

+ Before placing an order for kit Vigie 255, the technical design office must conduct a study based on a detailed diagram of the pool.

Piezo sensors. available in 7 colours.

	Light blue	Dark blue	Beige	Grey	Anthracite grey	Black	Price	White	Price
Kit Vigie 255 M with 2 recessed Piezo sensors									
Code	6151100	6151200	6151500	6151600	6151800	6151900		6151300	
Kit Vigie 255 M with 2 glued Piezo sensors									
Code	6152100	6152200	6152500	6152600	6152800	6152900		6152300	
Additional Piezo sensor. with 20 m cable*									
Code	6153100	6153200	6153500	6153600	6153800	6153900		6153300	

* pool fittings are sold separately

	Code	Description	Price
Options			
1	6159100	Additional wrist band	
	6159100	Additional wrist band set of 4. per unit	
Accessories			
	6159700	Vigie 255 M pool fittings	
	6159200	100 m roll of additional cable	
2	6159250	Additional remote control	
3	6159500	Charger 230V-14V	
4	6159550	Battery 12V-2A	
	6159600	Tube of subaquatic glue	

Options



SOFT, PROTECTIVE & SAFETY COERS

BWT HEATING & DEHUMIDIFICATION



Complies with the following standards:

EN 60335-1 May 2013 – Household and similar electrical appliances – Part 1: basic requirements

Directive 2014/35/EU: the Low Voltage directive

Directive 2011/65/EU, the RoHS 2 directive: The Reduction of Hazardous Substances directive, electric and electronic devices and the Directive 2015/863/EC RoHS

EN 55014-1 + A2 February 2012: Electromagnetic Compatibility – Part 1: Emission

EN 55014-2 +A2 July 2015 : Electromagnetic Compatibility – Part 2: Immunity

Directive 2014/30/EC: the Electromagnetic Compatibility directive

Directive 2006/42/EC: the Machine directive

Directive 97/23/EC: the Low Pressurised Equipment directive

Regulation EU 517-2014: the F-Gas regulation

EN 378-2+A2 (07/2012): Heat pump and refrigeration systems – Part 2: design, construction, tests, marking and documentation

NF EN 378-4 +A1 July 2012: Heat pump and refrigeration systems – Safety and environmental requirements – Part 4: operation, maintenance, repair and recovery

Directives 2000/14/EC and 2005/88/EC: noise emissions into the environment by outdoor equipment.

AFNOR AC P90-327: Heating (Previously DTP N°10).

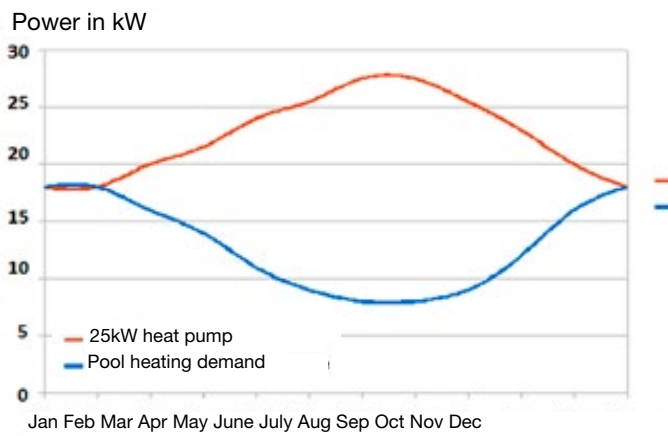
09

Heating & dehumidification

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HEAT PUMP OPERATING PRINCIPLE

The current situation



Similarly to the performance levels of heat pumps, the heating demand of a pool will vary depending on the time of year, the weather, etc.

By definition, an On/ Off heat pump only has one operating mode. To satisfy a pool's heating demand, this type of pump only has one solution, to switch between On phases operating at 100% output and Off phases.

This type of operation presents a number of drawbacks:

- electrical consumption is not optimised,
- operating at 100%, the heat pump will generate a maximum amount of noise and cause noise pollution,
- the electrical power draw due to successive start ups is significant,
- the service life of the heat pump is impacted.

The objectives

These observations led to 4 objectives:

- decrease electrical consumption,
- decrease noise pollution,
- limit over currents on start up,
- increase the service life of the heat pump.

The solution: the inverter heat pump

Over the last years, Inverter Technology has become more widespread in the field of domestic heating.

Combined with intelligent control that takes all operating parameters into consideration, the Inverter varies the compressor and fan operating modes.

In this way, the pump adapts its heating output precisely to match the pool's heating demand, whatever the outside weather conditions.

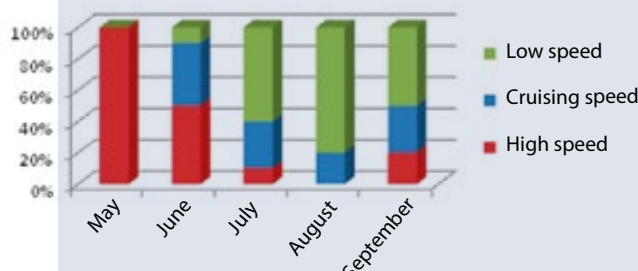
The graph above illustrates the operating modes of an Inverter heat pump depending on the season.

Reduced electrical consumption

The Inverter varies the compressor and fan speed to:

- achieve a soft start and prevent current peaks on start-up,
- adapt the heating output to the heating demand,
- in low speed mode, the COP is 30 to 40 % higher*

* air temperature 15°, water temperature 26°



Lower speed = savings



Comparison with a motor vehicle

In the example opposite, the performance data of an 18 KW Inverter heat pump (running at 50% heating capacity) is compared with an 18 KW On/ Off heat pump.

It can be seen that when the Inverter heat pump runs at slower speeds, although the operating time is longer, the COP is higher and the electrical consumption is reduced.

EXAMPLE OF A MOTOR VEHICLE				
Speed	Distance	Instantaneous consumption	Travel time	Consumption for 100 Km
120 Km/h	100 Km	8 litres/100 Km	50 minutes	8 litres
90 Km/h	100 Km	5.6 litres/100 Km	67 minutes	5.6 litres

Example of a heat pump				
Power	Pool demand	COP	Operating time	Consumption for 18 kWh
18 kW – ON/OFF	18 kWh	4.1	60 minutes	4.39 kWh
9 kW – Inverter	18 kWh	5.3	120 minutes	3.39 kWh

Quieter

Thanks to Inverter technology, the compressor slows increasingly as the pool water temperature approaches the set point. This reduces sound levels, particularly at low speed operating modes.

Increased service life of materials

While an On/Off heat pump switches on and off constantly, an Inverter heat pump runs continuously in low speed mode. This is less stressful on the compressor, and increases its service life.

The decibel is a logarithmic unit	
Basic rules concerning decibels dB(A)	
Change in dB(A)	Sound level perceived
Increase of 3 dB(A)	The sound heard is twice as loud
Increase of 10 dB(A)	The sound is 10 times louder
Increase of 20 dB(A)	The sound is 100 times louder
An inverter heat pump can decrease the sound level by a factor of 10 when it switches from high speed mode to low speed mode.	

Contact our design office
+ 33 2 99 61 24 64
 or by e-mail: betech@procopi.com

HEATING & DEHUMIDIFICATION

HEATING STUDY WITH A CALCULATION CORE DEVELOPPED BY THE CSTB

In 2013 PROCOPI entered into partnership with MITSUBISHI Electric, a world leader in the field of heating and air conditioning in the domestic and services sectors.

Procopi partnerships

Partnership with pool professionals: Heating studies.

The introduction of Inverter technology into the swimming pool sector has shaken up sizing practises and created a need for powerful calculation tools capable of highlighting the acoustic and energetic performance levels of these machines.

Procopi approached the CSTB (centre scientifique et technique du bâtiment – French centre for building science and building technologies) to develop a calculation core with a 1 hour time step, the only protocol that would allow prediction of INVERTER technology operating modes.

This calculation code was then integrated into a calculation program that we use to perform "Heating Studies" to assist you in the correct sizing of the heat pump for a given installation.

This partnership allowed us to use Mr SLIM and ZUBADAN outdoor units, global references in terms of quality, and with more than 100,000,000 sales throughout the world.

Using this purpose developed software, we calculate the precise heating output necessary to heat the pool. This allows us to recommend the heat pump best suited to your project.

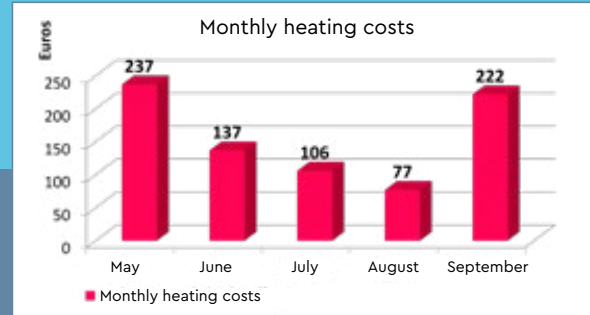
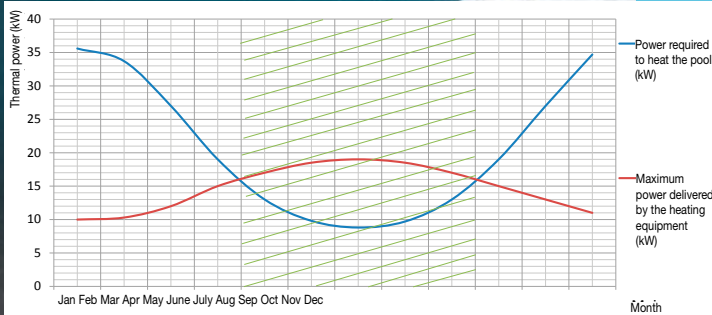
This unique tool will be available in your professional space when you sign into your Procopi account, you can use it to generate precise, comprehensive, customised thermal studies.

These studies, that consumers find reassuring, can drive sales for your company by highlighting your professional status.

Contact our design office
+ 33 2 99 61 24 64
or by e-mail: betech@procopi.com

Procopi approached the CSTB (centre scientifique et technique du bâtiment – French centre for building science and building technologies) to develop a calculation core.

To correctly size the heating and dehumidification equipment, the calculation core monitors the heat losses and gains every hour to deduce the pool's heating demand. It uses the precise performance data of the various heating systems, the meteorological conditions and many other parameters such as the pool's technical data, its location and the manner of use.



The calculation core was integrated into an application that generates "Heating Studies" to help you correctly size heating and dehumidification equipment for your pool projects. The application calculates the precise calorific power required to heat the pool. This allows us to recommend heating and/or dehumidification specifically suited to your project.

Choice of heating and dehumidification equipment

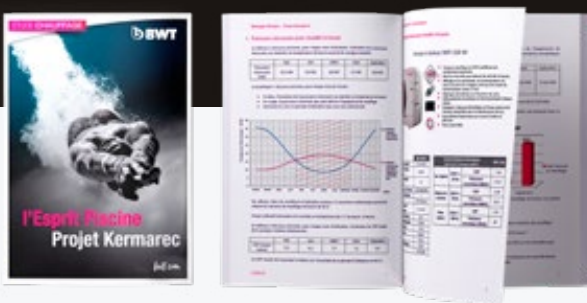
- Inverter, Power Inverter, Zubadan, On/ Off heat pumps, heat exchangers and electrical heaters.
- Ducted and through the wall dehumidifiers, dehumidifier consoles.

A powerful calculation core that integrates:

- Weather data with a one hour time step.
- Hourly tracking of heat losses and gains.
- All the physical phenomena that effect the pool's thermal status (conduction, convection, rainfall, radiation, evaporation, water renewal, metabolic contributions).
- All the physical phenomena that effect the pool's thermal status (conduction, convection, rainfall, radiation, evaporation, water renewal, metabolic contributions).

A customised heating study for your client:

- Automatically generated by the on-line application.
- Impactful, simply presents the heating solution most suited to your project
- Designed as a sales tool (Your company name and the project name on the cover page, photographs of the recommended equipment, etc.).
- Simple and easy to understand, contains all the necessary information (required thermal power, monthly heating costs, etc.).
- Real sales leverage, highlights your role as a specialist.



AQUA-LINE HEATERS



Pahlen Aqua-Line Incoloy-825 and Aqua-Line Titanium heaters come pre-assembled and ready to install.

They include the following components:

- A fibreglass loaded polypropylene heating body, fitted with two solvent unions Ø 50 mm and collar clamps,
- A touch control precision Aquastat with digital display of the water temperature and set point value,
- Overheating safety mechanism, etc.

BWT HEAT EXCHANGERS



- The body of the heat exchanger is made of fibreglass loaded polypropylene. The exchanger itself, a spiral plate, is made of 316-L stainless steel or titanium.
- The plates feature bosses to prevent laminar flow and significantly improve the exchange capacity.
- The plates feature bosses to prevent laminar flow and significantly improve the exchange capacity.

BWT HEAT EXCHANGERS WITH INTEGRATED CIRCULATION PUMP



A pre-assembled, housed version of the heat exchanger with a stainless steel exchanger plate is available.

It is comprised of:

- A heat exchanger made of stainless steel or titanium,
- A precision Aquastat with digital display of the water temperature and set point value,
- A primary circuit circulation pump,
- Two isolation valves on the primary circuit, one fitted with an anti-thermosyphon check valve,
- A drain valve,
- All the cables and electrical components necessary for the system to operate correctly.

BWT INVERTER VERTICAL HEAT PUMPS



Inverter system:

- On the contrary to a traditional On/Off heat pump that runs at a constant speed, (100 %), the inverter heat pump compressor can run at between 25% and 100 % of its full power to adapt to the machine's operating conditions and the outdoor temperature.

HP-Booster technology:

- This technology is built around an electronic expansion valve. The valve regulates the gas flow very precisely to maintain a constant gas pressure in the refrigerant system.
- HP-Booster technology provides a better yield than a traditional thermostatic valve.

Defrosting by cycle inversion:

- Allows the pump to operate at very low temperatures (down to 0°C).
- Cycle inversion melts frost that builds up on the evaporator much more efficiently than other defrosting methods (Stopping the compressor, etc.).

BWT PIONEER INVERTER HEAT PUMPS



Comprehensive range:

- The Pioneer Inverter range offers a wide choice of heating powers suitable for pools from 18 to 95 m³. This heat pump only runs in heating mode.

Inverter system:

- Inverter system: On the contrary to a traditional On/Off heat pump that runs at a constant speed, (100 %), the inverter heat pump compressor can run at between 20% and 100 % of its full power to adapt to the machine's operating conditions.

BWT FAIRLAND INVERTER PLUS HEAT PUMPS



Inverter system:

- On the contrary to a traditional On/Off heat pump that runs at a constant speed, (100 %), the inverter heat pump compressor can run at between 20% and 100 % of its full power to adapt to the machine's operating conditions and the outdoor temperature.

Reversible heat pumps:

- This feature is particularly appreciated in very hot regions where it can be used to hold the pool water at a comfortable temperature or even to lower or maintain the water temperature in aquaculture tanks used to rear and store fish.

Silence:

- BWT Inverter pump compressors slow significantly around the set point so that they run much more quietly than a conventional On/Off heat pump.

BWT MITSUBISHI MPI & MZI HEAT PUMPS



Real year round heat pumps:

- BWT MPI and MZI heat pumps can operate temperatures down to -15°C. Even at these very low temperatures, BWT MZI heat pumps provide 70% of their nominal power, while BWT MPI heat pumps preserve 50 % of their nominal power.

Reversible heat pumps:

- BWT Power Inverter and Zubadan heat pumps can be used to heat or cool the pool water, they are compatible with systems operating at 60 Hz.

Silence:

- Conventional On/Off heat pumps generate a constant sound power level, even when the water temperature hovers around the set point. Power Inverter heat pump compressors slow considerably at temperatures around the set point, with a corresponding drop in the sound power level that is extremely low compared to that of an On/ Off machine.

+ The industrial strength of a world leader

Mitsubishi Electric, a world leader in the field of heat pumps for climate control and heating, have produced several million machines that use Ecodan Power Inverter and Zubadan Power Inverter technologies. These machines are renowned for their reliability and excellent performance levels.

Mitsubishi and Procopi decided to pool their core expertise to create two ranges of swimming pool heat pumps, the M.P.I. (Ecodan) range and the M.Z.I. (Zubadan) range.



BWT Power Inverter M.P.I. and M.Z.I. heat pumps exploit these technologies to achieve exceptional performance levels, both in terms of noise level and improved coefficient of performance.

Comprehensive range

The Power Inverter range offers a selection of models to suit pools of all types and sizes.

Inverter system

On the contrary to a conventional On/Off heat pump that run at a constant speed (50 Hz), the Inverter heat pump compressor can run at between 11 and 100 Hz to adapt to the machine's operating conditions and the outdoor temperature.

In fact, while the outside temperature is low, or while the heating demand is high, the compressor will run at high speed (between 50Hz and 100Hz).

Inversely, while the heating demand is low, notably around the set point, the Inverter compressor will run at low speeds (between 11Hz and 50Hz).

BWT M.P.I. and M.Z.I. heat pumps automatically adjust their compressor speed to adapt to the operating mode and outdoor temperature. There is no need for any intervention by the user.

Running at low speeds, inverter compressors are almost noiseless, provide optimal yield and enjoy a longer service life.

Reversible heat pumps

All BWT Power Inverter heat pumps are reversible as standard

BWT Power Inverter heat pumps can be used to heat or cool pool water, they are also compatible with systems running on 60 Hz.

This feature is particularly appreciated in very hot regions where it can be used to hold swimming pool water at a comfortable temperature or even to lower or maintain the water temperature in aquaculture tanks used to rear and store fish.

Silence

Conventional On/Off heat pumps generate a constant sound power, even when water temperature is around the set point.

On the other hand, BWT Power Inverter heat pump compressors slow significantly around the set point so that they run much more quietly than a conventional On/Off machine.

This is particularly important when the heat pump must be installed close to neighbouring properties.

Installers should take regulations governing neighbourhood noise abatement in effect in the country of installation into consideration.

Start-up overcurrents

BWT Power Inverter heat pumps feature acceleration ramps that exploit frequency variation technology to avoid overcurrents on start-up along with their inherent negative impact on electrical and electronic devices in the home.

Completely automated

BWT Power Inverter heat pumps are designed to be easy to install and simple to maintain.

Systematic quality control

To guarantee complete reliability, all BWT MPI and MZI heat pumps are tested before being shipped.



PROCOPI TOP TIP



Our heating offer for commercial pools is listed in the Commercial Pool and spa chapter



INNOVATION:

Procopi has developed a new geometry for the titanium exchangers equipping BWT MPI and MZI heat. Two gas injection baffles greatly improve the exchange between the primary and secondary circuits, to the point where the machines' power has been increased by 8% and their COP by 18%.

In addition, the new design of the spiral plates cuts load losses in half



BWT MITSUBISHI ZUBADAN - M.Z.I.



Family 5 330



BWT Mitsubishi Zubadan Inverter (M.Z.I.) heat pumps share many of the characteristics of the BWT M.P.I. heat pump. However, on the contrary to conventional On/Off heat pumps, a M.Z.I. heat pump can provide 80% of its heating capacity when the outdoor ground temperature is far below zero. BWT M.Z.I. heat pumps are real all season machines specifically intended for indoor pools that are used year round and that require a constant nominal heating power.

Operating principle



BWT M.Z.I. heat pumps compensate for extremely low outdoor air temperatures by injecting hot gas from an additional bottle directly at the compressor.

Technical specifications

- Improved heat pump and COP (coefficient of performance).
- Reversible machine, may be used to cool the pool,
- The pool water temperature, set point and heat or cool operating mode are displayed on the remote control.
- Automatic defrosting by cycle inversion, the heat pump runs at temperatures down to -15°C.




TYPE OF HEAT PUMP		
Outdoor temperature	On/ Off	MZI
15°C	100%	100%
12°C	91%	99%
7°C	79%	89%
-7°C	54%	86%
-10°C	-	82%
-15°C	-	75%

  The vibration damping pads are not included.

The table above summarises the % heating capacity of the various air/ water swimming pool heat pumps at a range of outdoor air temperatures.

	BWT M.Z.I.-160M	BWT M.Z.I.-190M	BWT M.Z.I.-190T	BWT M.Z.I.-320T
Certified heating power, Air temp 26° C, Water temp 26° C	26 kW	31.4 kW	31.4 kW	50 kW
Certified heating power, Air temp 15° C, Water temp 26° C •	17 kW	20.2 kW	20.2 kW	33 kW
Certified cooling power, Air temp 35° C, Water temp 28° C	13.00 kW	19.5 kW	19.5 kW	35.2 kW
Recommended pool water volume*	≤ 104 m ³	≤ 123 m ³	≤ 123 m ³	≤ 208 m ³
Type of refrigerant	R 410A	R 410A	R 410A	R 410A
Recommended water flow rate	4 to 6 m ³ /h	5 to 7 m ³ /h	5 to 7 m ³ /h	10 to 12 m ³ /h
Maximum current consumed	30 A	35 A	13 A	26 A
Power supply	230 V 1ph	230 V 1ph	400 V 3ph	400 V 3ph
Power cable cross section	3 × 6 mm ²	3 × 10 mm ²	5 × 2.5 mm ²	5 × 6 mm ²
Electrical protection	32 A	40 A	16 A	32 A
Exchanger model	Helical plate	Helical plate	Helical plate	Helical plate
Compressor	Rotary	Scroll	Scroll	Scroll
Quantity of refrigerant	5.50 Kg	5.50 Kg	5.50 Kg	7.10 Kg
Number of fans	2	2	2	2
Dimension L x D x H (mm)	1250×360×1350	1250×360×1350	1250×360×1350	1250×360×1340
Weight	127 Kg	127 Kg	141 Kg	155 Kg
Code	11014005	11020005	11020105	11030105
Price				

* The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 26°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season. If the operating conditions will differ, go to procopi.com and carry out a heating study to correctly size the heat pump.

 The AFNOR ACP 90-327 agreement and the test standard drawn up by CERTITA, in the context of NF Pool-heat pump certification, recommend communication of the heating capacity at an outdoor temperature of 15°C.

BWT MITSUBISHI POWER INVERTER - M.P.I.



Family 5 330



Technical specifications

- Improved heat pump and COP (coefficient of performance),
- Reversible machine, can be used to heat or chill the pool, compatible with a 60 Hz operating regime,
- The pool water temperature, set point and heat or cool operating mode are displayed on the remote control,
- Automatic defrosting by cycle inversion, the heat pump runs at temperatures down to -15°C,
- Complies with EC standards,
- Low acoustic power in low speed mode, thanks to the Mitsubishi scroll inverter compressor,
- Titanium helical plate heat exchangers (Procopi exclusive), compatible with salt electrolysis. The plates features bosses that prevent the phenomenon of laminar flow and substantially increase the heat exchange capacity,
- Low water level safety device (flow switch),
- Wired in via a watertight deck box,
- Anti-UV treated ABS casing allowing integration of a regulator, deck box, heat exchanger, flow controller, sensors, communication and control circuit boards.
- Hydraulic connections, Ø 50 mm, solvent,
- ICHILL thermostat, comfort and Eco mode.
- Condensate collection and drainage kit.

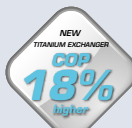
Trophée d'Or 2013
Category innovation



Titanium exchanger



ICHILL thermostat




TECHNICAL DATA - BWT M.P.I.

Family 5 330

	BWT M.P.I.-100M	BWT M.P.I.-160M	BWT M.P.I.-190M	BWT M.P.I.-190T	BWT M.P.I.-240M	BWT M.P.I.-240T	BWT M.P.I.-320T	BWT M.P.I.-380T
Certified heating power, Air temp 26° C, Water temp 26° C	16.2 kW	26 kW	31.4 kW	31.4 kW	39 kW	39 kW	50 kW	59 kW
Certified heating power, Air temp 15° C, Water temp 26° C*	10.6 kW	17 kW	20.2 kW	20.2 kW	25.5 kW	25.5 kW	33 kW	39 kW
Certified cooling power, Air temp 35° C, Water temp 28° C	5.7 kW	13 kW	19.5 kW	19.5 kW	20.25 kW	20.25 kW	35.2 kW	36.5 kW
Recommended pool water volume **	≤ 65 m ³	≤ 104 m ³	≤ 123 m ³	≤ 123 m ³	≤ 156 m ³	≤ 156 m ³	≤ 208 m ³	≤ 247 m ³
Type of refrigerant	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A
Recommended water flow rate	4 to 5 m ³ /h	4 to 6 m ³ /h	5 to 7 m ³ /h	5 to 7 m ³ /h	8 to 10 m ³ /h	8 to 10 m ³ /h	10 to 12 m ³ /h	12 to 14 m ³ /h
Maximum current consumed	13.00	19.00	29.50	13.00	29.50	13.00	19.00	21.00
Power supply	230 V 1ph	230 V 1ph	230 V 1ph	400 V 3ph	230 V 1ph	400 V 3ph	400 V 3ph	400 V 3ph
Power cable cross section	3 × 2.5 mm ²	3 × 4 mm ²	3 × 6 mm ²	5 × 2.5 mm ²	3 × 6 mm ²	5 × 2.5 mm ²	5 × 6 mm ²	5 × 6 mm ²
Electrical protection	16 A	25 A	32 A	16 A	32 A	16 A	32 A	32 A
Exchanger model	Helical plate	Helical plate	Helical plate	Helical plate	Helical plate	Helical plate	Helical plate	Helical plate
Compressor	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity of gas	2.10 Kg	3.20 Kg	4.60 Kg	4.60 Kg	4.60 Kg	4.60 Kg	7.10 Kg	7.70 Kg
Number of fans	1	1	2	2	2	2	2	2
Dimension L x D x H (mm)	995×495 x600	1150×360 x950	1250×360 x1350	1250×360 x1350	1250×360 x1350	1250×360 x1350	1250×360 x1340	1250×360 x1340
Weight	49 Kg	82 Kg	125 Kg	137 Kg	125 Kg	137 Kg	142 Kg	148 Kg
Code	11010000	11014000	11020000	11020100	11026000	11026100	11032100	11038100
Price								

* Technical data was certified by CETIAT and were measured according to the test protocol EN-14511 (Test report available from Procopi.com)..

** : The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 26°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season. If the operating conditions will differ, go to procopi.com and carry out a heating study to correctly size the heat pump.

 The AFNOR ACP 90-327 agreement and the test standard drawn up by CERTITA, in the context of NF Pool-heat pump certification, recommend communication of the heating capacity at an outdoor temperature of 15°C.

PERFORMANCE DATA - BWT M.P.I. & M.Z.I. 

Family 5 330

			BWT M.P.I. 100M	BWT M.P.I. 160M	BWT M.P.I. 190M 190T	BWT M.P.I. 240M 240T	BWT M.P.I. 320T	BWT M.P.I. 380T	BWT M.Z.I. 160M	BWT M.Z.I. 190M 190T	BWT M.Z.I. 320T
Low Speed	STEP 1 : 20 Hz	COP*	8.51	8.14	7.69	7.20	6.95	6.84	8.14	7.69	6.95
		Acoustic pressure level at 10 m, in dB (Lp)	24	29	27	30	34	34	30	31	35
		Acoustic power, in dB (Lw)	52.8	57.9	55.8	58.7	62.9	62.9	57.9	58.7	62.9
Cruising speed	STEP 4 : 50 Hz	COP*	7.06	6.95	6.54	6.12	5.84	5.75	6.95	6.54	5.84
		Acoustic pressure level at 10 m, in dB (Lp)	28	33	29	34	39	39	34	35	39
		Acoustic power, in dB (Lw)	56.5	61.9	57.8	62.8	67.3	67.3	61.9	62.8	67.3
High speed	STEP 7 : 100 Hz	COP*	5.72	5.44	5.15	4.84	4.68	4.60	5.44	5.15	4.68
		Acoustic pressure level at 10 m, in dB (Lp)	35	40	40	43	47	47	41	42	47
		Acoustic power, in dB (Lw)	63	69	68.6	72	76	76	69.0	70.0	75.0

* COP is quoted for the following operating conditions: Air temp 15°C and water temp 26°C

The table below summarises the main characteristics of the BWT M.P.I. and M.Z.I. heat pumps in their various operating modes. The heat pumps automatically select the operating mode best suited to the current weather and operating conditions.

- Low speed: BWT M.P.I. and M.Z.I. heat pumps can operate at three speeds below 50 Hz (Step 1, 2 and 3). The heat pump operates in this mode when it is close to the set point (within approximately 1°C). At these speeds, M.P.I. and M.Z.I. heat pumps offer a COP and sound levels that cannot be achieved by conventional On/ Off heat pumps.
- Cruising speed: This is the operating speed of a standard On/ Off heat pump, it corresponds to a compressor speed of 50 Hz, or Step 4.
- Full speed: BWT M.P.I. and M.Z.I. heat pumps operate at one of three speeds greater than 50 Hz (Steps 5, 6 and 7) during the initial heating ramp or when weather conditions are harsh.

BWT M.P.I. & M.Z.I. HEAT PUMP GUARANTEE CONDITIONS

Duration of the guarantee

BWT – Mitsubishi Power inverter heat pumps (M.P.I. and M.Z.I. models) are covered by a 5 year guarantee as of the date of invoice. The clauses and conditions constituting the heat pump guarantees may be found on our internet site. The guarantee period is extended to 10 years for the titanium exchanger.

Commissioning

Heat pump specifications and commissioning documentation is available for download from our internet site.



+  Only heat pumps bearing the Fairland brand can claim the Fairland performance levels and guarantees certified by the TÜV Rheinland

NEW



Twisted, titanium coil fitted in the heat pump exchanger



New touch screen control pad

+ Vibration damping pads are included.



The R32 refrigerant offers numerous advantages:

- It outperforms the R410A refrigerant by 5% to 10%
- Requires less fluid for an identical output power (20 to 30% less fluid compared to R410A)
- It is more environmentally friendly. R32 has a Global Warming Potential (GWP-

indicates the impact a fluid has on global warming) of 675, compared to 2088 for R410A.

- Given its low GWP, leaktightness tests are only mandatory for loads greater than 7.2 kg (compared to 2.82 kg for R410C and 2.39 kg for R410A)
- R32 is totally pure and therefore, very easy to recycle

Comprehensive range

The BWT Fairland Inverter Plus heat range offers a selection of models to suit pools of all types and sizes. There is no need for any intervention by the user.

Inverter system

On the contrary to a conventional On/Off heat pump that run at a constant speed (100%), the Inverter heat pump compressor can run at between 20% and 100% to adapt to the machine's operating conditions and outdoor temperatures.

In fact, while the outside temperature is low, or while the heating demand is high, the compressor will run at high speed (between 50% and 100%).

Inversely, while the heating demand is low, notably around the set point, the Inverter compressor will run at low speeds (between 25% and 50%).

BWT Fairland Inverter Plus heat pumps automatically adjust their compressor speed to adapt to the operating mode and outdoor temperature. There is no need for any intervention by the user.

Running at low speeds, inverter compressors are almost noiseless, provide optimal yield and enjoy a longer service life.

Reversible heat pumps

All BWT Fairland Inverter Plus heat pump are reversible as standard. BWT Fairland Inverter Plus heat pumps can be used to heat or cool pool water.

This feature is particularly appreciated in very hot regions where it can be used to hold swimming pool water at a comfortable temperature or even to lower or maintain the water temperature in aquaculture tanks used to rear and store fish.

Silence

Conventional On/Off heat pumps generate a constant sound power, even when water temperature is around the set point.

On the other hand, BWT Fairland Inverter Plus heat pump compressors slow significantly around the set point so that they run much more quietly than a conventional On/Off machine

This is particularly important when the heat pump must be installed close to neighbouring properties.

Installers should take regulations governing neighbourhood noise abatement in effect in the country of installation into consideration

Start-up overcurrents

BWT Fairland Inverter Plus heat pumps feature acceleration ramps that exploit frequency variation technology to avoid overcurrents on start-up along with their inherent negative impact on electrical and electronic devices in the home.

Completely automated

BWT Fairland Inverter Plus heat pumps are designed to be easy to install and simple to maintain.

Aluminium cabinet

A modern and innovative design in aluminium, completely resistant to corrosion over .

Systematic quality control

To guarantee complete reliability, all BWT Fairland Invert Plus heat pumps are tested before being shipped.

Equipment

BWT Fairland Inverter Plus heat pumps are delivered with a winter jacket.

Guarantees

BWT Fairland Inverter Plus heat pump titanium exchangers are covered by a ten year guarantee, the compressor is covered by a ten year guarantee.

Repairs made under this guarantee are carried out on site.

TECHNICAL DATA - BWT FAIRLAND INVERTER PLUS

Family 5355

	IPHCR15	IPHCR20	IPHCR26	IPHCR33	IPHCR40	IPHCR45	IPHCR55	IPHCR70	IPHCR70T	IPHCR100T
Certified heating power, Air temp 26° C, Water temp 26° C	6.5 kW	8.5 kW	10.5 kW	13 kW	15 kW	17.5 kW	20.5 kW	27.5 kW	27.3 kW	35.8 kW
Certified heating power, Air temp 15° C, Water temp 26° C •	4.8 kW	6.3 kW	7.3 kW	8.7 kW	10.5 kW	11.5 kW	14 kW	18 kW	18 kW	24.5 kW
Certified cooling power, Air temp 35° C, Water temp 28° C	3.0 kW	4.0 kW	4.6 kW	5.6 kW	6.8 kW	7.8 kW	10.0 kW	12.2 kW	12.2 kW	16.5 kW
Max power consumed (kW)	0.12~0.94	0.16~1.2	0.20~1.5	0.24~1.8	0.27~2.2	0.3~2.6	0.36~3.3	0.53~3.8	0.53~3.9	0.6~5.2
Recommended pool water volume ••	15~30 m ³	20~40 m ³	25~45 m ³	30~55 m ³	35~65 m ³	40~75 m ³	50~95 m ³	65~120 m ³	65~120 m ³	90~160 m ³
Type of refrigerant	R 32									
Recommended water flow rate	2~4 m ³ /h	2~4 m ³ /h	3~4 m ³ /h	4~6 m ³ /h	5~7 m ³ /h	6.5~8.5 m ³ /h	8~10 m ³ /h	10~12 m ³ /h	10~12 m ³ /h	10~18 m ³ /h
Maximum current consumed	6.5 A	7.5 A	8.5 A	10.5 A	11 A	13 A	17 A	20 A	7 A	9.5 A
Power supply	230 V mono							400 V tri		
Power cable cross section	3×1.5 mm ²		3×2.5 mm ²				3×4 mm ²	3×6 mm ²	5×2.5 mm ²	
Electrical protection	8 A	9 A	10.5 A	13 A	13.5 A	16 A	21 A	24 A	9 A	12 A
Exchanger model	Twisted. titanium coil									
Compressor	Rotary									
Number of fans	1									
Inlet/ Outlet unions	50 mm female solvent									
Cabinet	Aluminium									
Dimension L x D x H (mm)	894×349 ×648			954×349 ×648		954×429 ×648	954×429 ×755	1084×429 ×948		1154×539 ×948
Weight	42 kg	45 kg	49 kg	50 kg	52 kg	63 kg	68 kg	90 kg	93 kg	120 kg
Code	7710000	7711000	7712000	7713000	7714000	7715000	7716000	7717000	7717500	7718500
Price										

• The power output and COP, at 15°C, were certified by TÜV Rheinland in accordance with the European standard EN 15411-2011 and DTP no. 10 issued by the "Fédération des Professionnels de la Piscine (F.P.P.)" (French federation of pool professionals). The acoustic power was tested and certified by the CVC in accordance with the European standard EN 12102 dated 2008 and also DTP no. 10 issued by the Fédération des Professionnels de la Piscine (F.P.P.). Power output and acoustic power test reports for all Fairland Inverter Plus heat pumps are on procopi.com

• The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 26°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season. If the operating conditions will differ, go to procopi.com and carry out a heating study to correctly size the heat pump.



The AFNOR ACP 90-327 agreement and the test standard drawn up by CERTITA, in the context of NF Pool-heat pump certification, recommend communication of the heating capacity at an outdoor temperature of 15°C.

PERFORMANCES DATA - BWT FAIRLAND INVERTER PLUS

Family 5355

Air 15°C - Water 26°C - Humidity 80%		IPHCR15	IPHCR20	IPHCR26	IPHCR33	IPHCR40	IPHCR45	IPHCR55	IPHCR70	IPHCR70T	IPHCR100T
20 % capacity	COP	14.7	14.8	15.0	15.4	15.5	15.8	15.3	15.4	15.3	15.6
100 % capacity	COP	6.0	7.4	7.4	7.3	6.7	6.2	6.0	6.5	6.5	5.8

Air 15°C - Eau 26°C - Humidité 70%		IPHCR15	IPHCR20	IPHCR26	IPHCR33	IPHCR40	IPHCR45	IPHCR55	IPHCR70	IPHCR70T	IPHCR100T
20% capacity	COP	7.3	7.4	7.7	7.7	7.8	7.8	7.7	8.1	8.1	8.0
	Acoustic pressure level at 10 m, in dB (Lp)	17.8	18.8	18.6	22.1	21.3	23.1	20.9	23.5	23.5	22.6
	Acoustic power at 1m, in dB (Lw)	51.6	52.6	52.4	55.9	55.1	56.9	55.7	58.3	43.5	57.4
100% capacity	COP	4.5	5.0	4.8	4.8	4.6	4.5	4.4	4.8	4.8	4.7
	Acoustic pressure level at 10 m, in dB (Lp)	27.2	28.2	29.9	30.7	35	33.8	34.2	34.9	34.9	34.7
	Acoustic power at 1m, in dB (Lw)	61	62	63.7	64.5	68.8	67.6	69	69.7	54.9	69.5

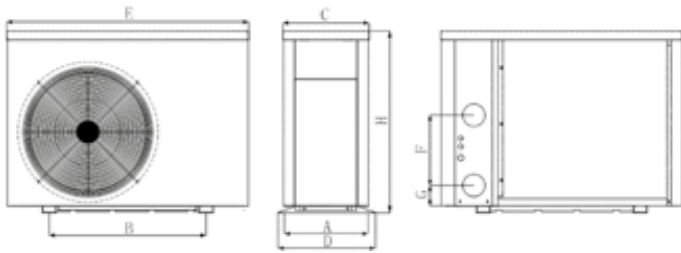
The table above shows examples of the BWT Fairland Inverter Plus performance levels in 3 operating modes.

BWT Fairland Inverter Plus heat pumps will automatically select the operating mode best suited to the pool's demands based on climatic conditions and operating conditions. The compressor speed is altered in steps of 1Hz between 20 Hz and 80 Hz.



Digital control pad

+ Vibration damping pads are included



TECHNICAL DATA								
	A	B	C	D	E	F	G	H
CPIR08	324	560	308	349	864	250	74	648
CPIR10	324	560	308	349	864	250	74	648
CPIR13	324	560	308	349	864	290	74	648
CPIR17	324	590	308	349	954	350	74	648
CPIR21	324	590	308	349	954	390	74	748

Comprehensive range

The BWT Pioneer Inverter range offers a selection of models to suit pools between 18 and 95 m³. It runs in heating mode only.

Inverter system

On the contrary to a conventional On/Off heat pump that run at a constant speed (100%), the Inverter heat pump compressor can run at between 25% and 100% to adapt to the machine's operating conditions and outdoor temperatures.

BWT Pioneer Inverter heat pumps have two heating modes (smart and silence). These heat pumps automatically adjust their compressor speed to adapt to the selected operating mode and outdoor temperature.

Silence

Conventional On/Off heat pumps generate a constant sound power, even when water temperature is around the set point.

On the other hand, BWT Pioneer Inverter heat pump compressors slow significantly around the set point so that they run much more quietly

than a conventional On/Off machine.

This is particularly important when the heat pump must be installed close to neighbouring properties.

Guarantees

BWT Pioneer Inverter heat pump titanium exchangers are covered by a five year guarantee, the compressor is covered by a five year guarantee.

Repairs made under this guarantee are carried out in the factory.

However, an on-site guarantee is available as an option for the duration of the 2 year guarantee (not including the compressor).

+ **The R32 refrigerant offers numerous advantages:**

- It outperforms the R410A refrigerant by 5% to 10%
- Requires less fluid for an identical output power (20 to 30% less fluid compared to R410A)
- It is more environmentally friendly. R32 has a Global Warming Potential (GWP- indicates the impact a fluid has on global warming) of 675, compared to 2088 for R410A.

- Given its low GWP, leaktightness tests are only mandatory for loads greater than 7.2 kg (compared to 2.82 kg for R410C and 2.39 kg for R410A)
- R32 is totally pure and therefore, very easy to recycle

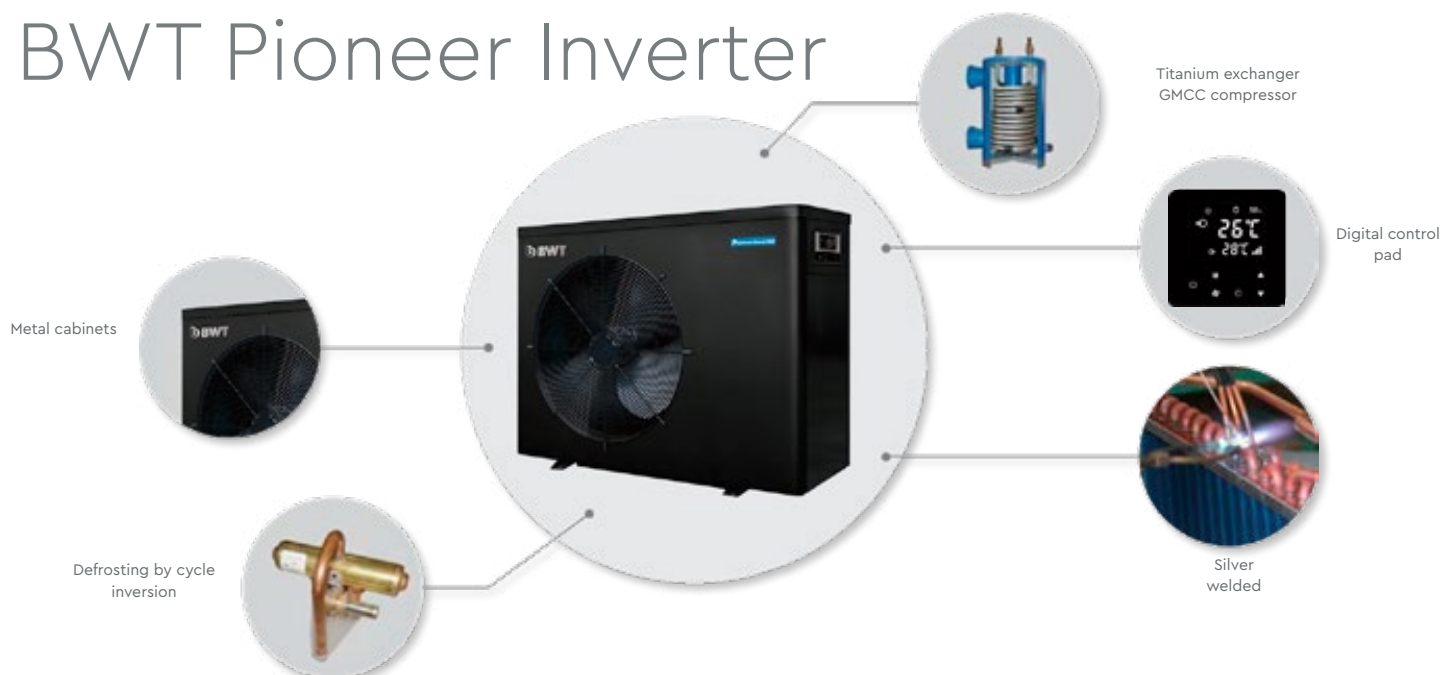
TECHNICAL DATA - BWT PIONEER INVERTER

Family 5350

	CPIR08	CPIR10	CPIR13	CPIR17	CPIR21
Recommended pool volume (m ³)	18~35	20~40	30~60	40-75	50-95
Operating temperature range (°C)	0~43				
Performance conditions: Air 26°C, Water 26°C, Humidity 80%					
Power output (kW)	8,0	9,5	12,5	16,5	20,0
C.O.P	9.1~5.6	9.5~5.7	10.5~5.9	10.0~5.7	10.6~5.6
C.O.P at 50% speed	8.0	8.3	9.2	8.8	8.9
Performance conditions: Air 15°C, Water 26°C, Humidity 70%					
Power output (kW)	6.0	7.0	9.0	11.5	14.0
C.O.P	5.9~4.1	6.0~4.3	5.9~4.2	6.0~4.2	6.0~4.1
C.O.P at 50% speed	5.9	5.6	5.8	6.0	5.8
Nominal power (kW)	1.4	1.6	2	2.7	3.4
Nominal input current (A)	9.5	11.5	15.0	18.0	23.0
Power cable cross section (mm ²)	3×1.5	3×2.5	3×2.5	3×4	3×4
Power supply	220-240 V / 1ph / 50 Hz				
Recommended water flow rate (m ³ / h)	2 to 4	3 to 4	4 to 6	6 to 8	8 to 10
Acoustic pressure at 1m dB (A)	40.8 / 51.1	40.6 / 52.5	42.9 / 53.0	45.2 / 56.3	45.3 / 57.1
Sound pressure, 50 % capacity at 1m dB (A)	43.9	45.8	48.5	48.7	49.6
Acoustic pressure level at 10 m dB (A)	20.8 / 31.1	20.6 / 32.5	22.9 / 33.0	25.2 / 36.3	25.3 / 37.1
Exchanger	Titanium				
Cabinet	Plastic coated metallic casing				
Nominal input power, air 15 ° C (kW)	0.34~1.4	0.35~1.6	0.36~2.1	0.57~2.7	0.62~3.4
Nominal input current, air 15 ° C (A)	1.48~6.0	1.52~7.0	1.57~8.7	2.48~11.7	2.7~15.0
Maximum input current (A)	8.0	9.5	12.5	15.0	19.5
Inlet/ outlet unions (mm)	50				
Dimensions LxDxH (mm)	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748
Net weight/ gross weight (kg)	46	47	49	60	68
Code	7722000	7723000	7724000	7726000	7728000
Price					

* The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 26°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season. If the operating conditions will differ, go to procopi.com and carry out a heating study to correctly size the heat pump.

BWT Pioneer Inverter





HP-Booster technology:

This technology is built around an electronic expansion valve. The valve regulates the gas flow very precisely to maintain a constant gas pressure.

This means that HP-Booster technology can provide a better yield than a traditional thermostatic expansion valve or capillary tubes irrespective of the operating temperature.

Defrosting by cycle inversion:

Allows the pump to operate at very low temperatures (down to 0° C). Cycle inversion melts frost that builds up on the evaporator much more efficiently than other defrosting methods (stopping the compressor, etc.).

Casing protection:

BWT vertical heat pump casings are made of galvanised steel coated with a protective layer of polyester.

Guarantees:

BWT Inverter vertical heat pumps are covered by a five year guarantee on the titanium exchanger and 2 year guarantees on the compressor and other components. This guarantee covers repairs carried out in the factory.

An additional 2 year guarantee covering repairs on site is available as an option (excluding the compressor).

Accessory free of charge:

Protective winterizing jacket.

+ BWT vertical fan heat pumps are particularly suited to situations where the machine must be installed close to a wall, or some other obstacle, that could impede air flow causing it to be recycled through the heat pump.
BWT Inverter vertical fan heat pumps are also recommended if the air expelled by the machine could cause discomfort to bathers or neighbours.

	IPHCR13V	IPHCR17V	IPHCR21V
Heating power, Air temp 26° C, Water temp 26° C	13.5 kW	17.5 kW	21.5 kW
Certified heating power, Air temp 15° C, Water temp 26° C	9.5 kW	12 kW	15 kW
Certified heating power, Air temp 35° C, Water temp 28° C	4.9 kW	6.3 kW	7.9 kW
Max power consumed (kW)	0.38~2.11	0.48~2.61	0.59~3.26
Recommended pool water volume*	30~60 m ³	40~75 m ³	50~90 m ³
Type of refrigerant	R 32		
Recommended water flow rate	4~6 m ³ /h	6~8 m ³ /h	8~10 m ³ /h
Maximum current consumed	12.5 A	15 A	19.5 A
Power supply	230 V 1ph	230 V 1ph	230 V 1ph
Power cable cross section	3×2.5 mm ²	3×4 mm ²	3×4 mm ²
Electrical protection	15 A	18 A	23 A
Exchanger model	Twisted coil. in PVC		
Compressor	Rotary		
Number of fans	1		
Inlet/ Outlet unions	50 mm female solvent		
Cabinet	Aluminium		
Dimension L x D x H (mm)	652×689×640	652×689×740	652×689×740
Weight	72 kg	80 kg	90 kg
Code	7702000	7704000	7706000
Price			

* The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 25°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season. If the operating conditions will differ, go to procopi.com and carry out a heating study to correctly size the heat pump.



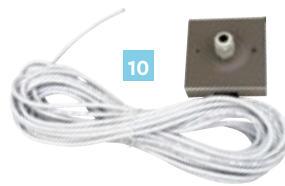
+

The evaporator should be inspected and cleaned at regular intervals.

The build-up of dirt (grease, pollution, etc.) on the dehumidifier or heat pump evaporator fins significantly reduces heat exchange.

For example, dirt on the evaporator fins causing a 5°C increase of the condensation temperature will lead to an approximately 7% loss of the thermodynamic system's power and a 16% increase in electrical consumption.

Dirt on the evaporator can decrease heat exchange to the point that the evaporator becomes encased in ice.



HEAT PUMP ACCESSORIES

Family 5350

Code	Description	Price
Common heat pump accessories		
1	Universal, vibration damping mounting unit (600×180×95 mm)	per pair
2	Protective varnish spray for evaporators	
3	Spray for cleaning evaporateurs, 1 L	
Accessories		
5	Winter jacket for heat pump, models MPI 80 and 100	
	11014050 Winter jacket for heat pump, model MPI 160	
	11020050 Winter jacket for heat pump, models MPI 190 to 380	
6	11908040 BWT MPI and MZI Inverter control panel remote installation option	
	7880650 BWT Fairland Inverter Plus control panel remote installation option	
BWT horizontal heat pump accessories		
7	7802022 Set of 4 vibration damping pads for Fairland heat pumps PH18L to PH80Ls	
BWT vertical heat pump accessories		
9	7801599 Cover for Fairland heat pumps PH15V, PH20V and PHC25V	
	7803099 Cover for Fairland heat pump PH30V and PHC35V	
	7804599 Cover for Fairland heat pumps PH45V, PHC50C and PH60V	
10	7802025 Shield + 10 m cable for Fairland Pioneer PH15V to 60V remote installed control cable – Champagne	

Models	Flow rate, m ³ /h, at:		Power output (kW), depending on the primary temperature, see below					
	Primary	Secondary	45°C	50°C	60°C	70°C	80°C	90°C
Heat exchanger MK-1	0.72	4.50	8	9	14	18	22	27
Heat exchanger MK-2	1.20	5	12	15	22	29	37	43
Heat exchanger MK-3	1.74	6.50	17	20	29	38	48	58
Heat exchanger MK-4	1.80	11	27	33	49	63	79	95

The power output values listed above are valid at a secondary circuit (pool water) temperature of 25°.
Caution: The temperature in the primary circuit of heat exchangers must not exceed 90°C



Titanium heat exchanger



BWT STAINLESS STEEL SPIRAL PLATE HEAT EXCHANGER - GREY

Family 4970

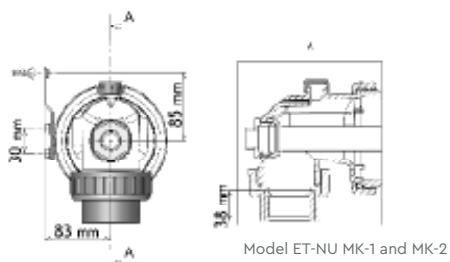
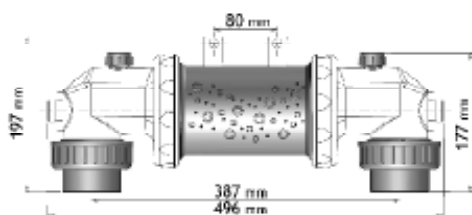
- The body of the heat exchanger is made of glass loaded polypropylene. The exchanger itself, a spiral plate, is made of 316-L stainless steel. It is particularly suited to installations that feature a low temperature primary circuit (heat pump). Use the table above to select the heat exchanger based on this temperature.
- The plates features bosses to prevent laminar flow and significantly improve the exchange capacity.
- The unions on the secondary circuit are bent at 90° to facilitate connection on a by-pass loop.
- Thermowells for insertion of a temperature sensor at the inlet and the outlet to allow inversion of the flow direction.
- Stainless steel heat exchangers are not compatible with salt water electrolysis.

BWT TITANIUM SPIRAL PLATE HEAT EXCHANGER - GREY

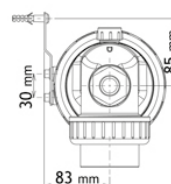
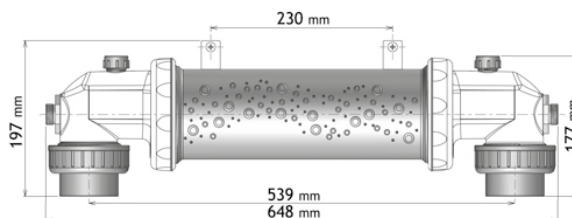
Family 4970

- Shares the same technical features as the stainless steel version, except the spiral plate heat exchanger is made of titanium. This model is therefore compatible with water treatment by salt water electrolysis.
- Refer to the table above to select the heat exchanger as a function of the temperature in the primary circuit.

Description	Unhoused/ SS	Price	Unhoused/ Titanium	Price
Heat exchanger MK-1	9220200		9200200	
Heat exchanger MK-2	9220400		9200400	
Heat exchanger MK-3	9220600		9200600	
Heat exchanger MK-4	9220900		9200900	



Model ET-NU MK-1 and MK-2

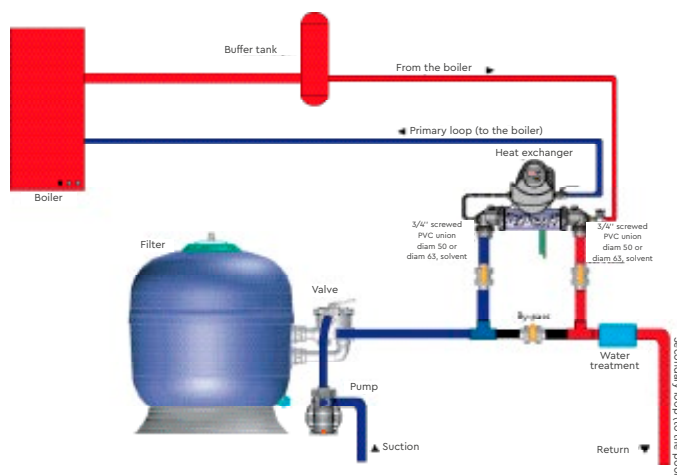


Model ET-NU MK-3 and MK-4

+ The diameter of the primary circuit of all the spiral plate heat exchangers is 3/4", the diameter of the secondary circuit can be 50 or 63 mm, solvent. The unhoused heat exchangers must be fitted with a flow-switch or a pressure gauge that allows the flow in the primary circuit to be stopped when filtration is stopped. The primary circuit must be fitted with an anti-thermosiphon mechanism.



Preassembled heat exchanger, titanium



BWT PRE-ASSEMBLED, STAINLESS STEEL HEAT EXCHANGER- GREY

Family 4970

A preassembled, housed version of the heat exchanger with a stainless steel exchanger plate is also available. It comprises;

- A stainless steel plate exchanger,
- A precision Aquastat with digital display of the water temperature and set point value,
- A primary circuit circulation pump,
- Two isolation valves on the primary circuit, one fitted with an anti-thermosyphon check valve,
- A drain valve,
- All the cables and electrical components necessary for the system to operate correctly,
- Stainless steel heat exchangers are not compatible with salt water electrolysis.

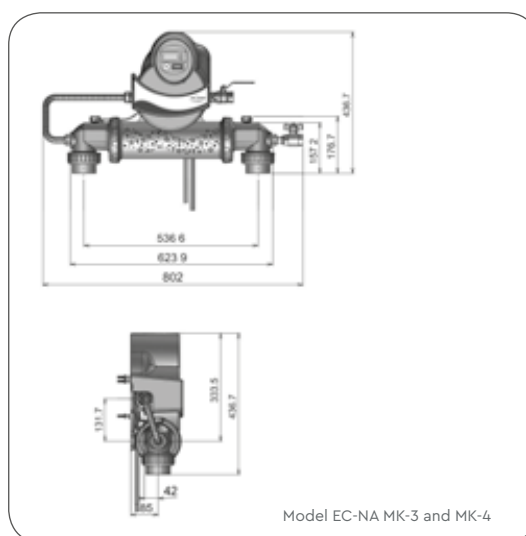
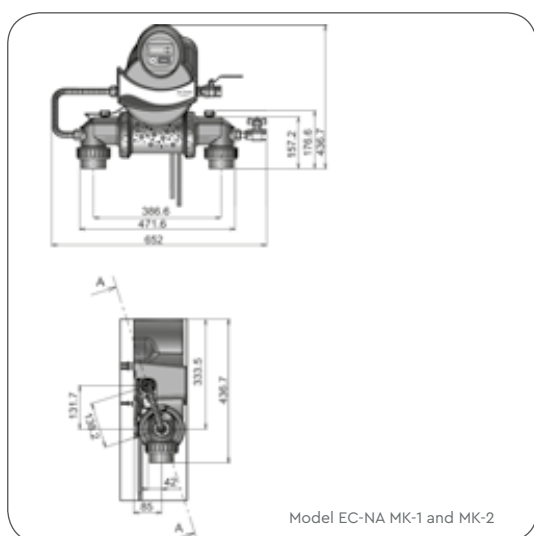
BWT PRE-ASSEMBLED, TITANIUM HEAT EXCHANGER - GREY

Family 4970

A preassembled, housed version of the heat exchanger with a titanium exchanger plate is also available. It comprises;

- A titanium plate heat exchanger,
- A precision Aquastat with digital display of the water temperature and set point value,
- A primary circuit circulation pump,
- Two isolation valves on the primary circuit, one fitted with an anti-thermosyphon check valve
- A drain valve,
- All the cables and electrical components necessary for the system to operate correctly.

Description	Pre-assembled/SS	Price	Preassembled/ Titanium.	Price
MK-1 heat exchanger, pre-assembled	9232200		9202200	
MK-2 heat exchanger, pre-assembled	9232400		9202400	
MK-3 heat exchanger, pre-assembled	9232600		9202600	
MK-4 heat exchanger, pre-assembled	9232900		9202900	



⊕ All spiral plate heat exchangers have a primary Ø primaire of 3/4" and a secondary Ø of 50 and 63 mm, solvent.

AQUA-LINE INCOLOY-825 & TITANIUM

Family 4800



Aqua-Line heater in Incoloy-825 or Titanium

The Pahlen Aqua-Line Incoloy-825 and Aqua-Line Titanium heaters come preassembled and ready to install

They comprise the following components;

- A glass loaded polypropylene heating body, fitted with two solvent unions, Ø 50 mm, and collar clamps,
- A touch control precision Aquastat with digital display of the water temperature and set point value,
- Overheating safety mechanism,
- A flow-switch,
- A dual power circuit (2 power relays),
- All the electrical components and cables necessary for the device to operate correctly.

Unique to the Aqua-Line Incoloy-825

- An Incoloy-825 heating element, that may be powered by a 230 V 1 ph (3 kW only) or 400 V 3ph supply

Unique to the Aqua-Line Titanium

- A titanium heating element, that may be powered by a 230 V 1 ph (3 kW only) or 400 V 3ph supply.

+ Stainless steel heaters are not compatible with salt water electrolysis.

Description	Incoloy-825	Price	Titanium	Price
Aqua-Line heater, 3 kW	9382100		9392100	
Aqua-Line heater, 6 kW	9382200		9392200	
Aqua-Line heater, 9 kW	9382300		9392300	
Aqua-Line heater, 12 kW	9382400		9392400	
Aqua-Line heater, 15 kW	9382500		9392500	

+ **PROCOPI TOP TIP**

OPTIMA heaters are listed in the Commercial Pools and Spas chapter

ACCESSORIES FOR HEATERS AND HEAT EXCHANGERS

Family 2000, 4800, 4820



	Code	Description	Price
1	1175500	Precision aquastat, 0-40°C #	
	1378050	Reducing bush, triple male solvent Ø 50 / female solvent Ø 25, for Aquastat#	
2	5901030	Precision aquastat with digital display and transformer (Bellowtherm - Tropical) #	
3	717800	Aquastat modular DR-902#	
4	5901040	Low water level safety switch (flow switch) (Bellowtherm - Tropical) #	
6	5701005	Préssostat de sécurité (Hotline) #	
	1237040	Screw-in magnesium anode, 1"1/2 female#	
	1368026	Manchon taraudé 1/2»X25 /Sonde#	

+ **IMPORTANT!** The magnesium anode is a sacrificial anode. Consumption of the anode should be checked at regular intervals and the anode should be replaced at least once a year.

HELIOCOL COLLECTOR PANELS - BLACK

Family 5100

Tecnical data:

- Material used: Anti-UV treated, heat resistant polypropylene
- Colour: Black
- Dimensions : 2.92 × 1.20 m – Surface : 3.50 m²
- Overall thickness 6.2 cm
- Number of tubes per collector: 38×4 = 152 tubes = 450 metres of tube
- Weight of an empty/full collector 8.2 Kg / 19.6 Kg
- Water volume per collector: 11.4 litres
- Maximum number of collectors in one row: 7

- Recommended flow rate through the collector panels: approx 1 m³/h per collector panel
- Load loss : 0.5 mWC per row of collector panels
- Placement: ground or roof
- Direction : South or south-west
- Surace area required: 60% of the pool surface area if south facing and tilted at a 30° angle
- Maximum pressure: 6 bar
- Maximum temperature: 90° C



Code	Description	Price
1239100	Heliocol solar collector panel, 3.50 m ² – Black	per unit
1239100	Heliocol solar collector panel, 3.50 m² – Black	box of 8, per unit
1239100	Heliocol solar collector panel, 3.50 m² – Black	20 per box, per unit
1239105	Heliocol solar collector installation brackets- Black	
1239110	Heliocol end piece, solvent, Ø 50 – Black	
1239120	Heliocol cap – Black	
1	1239136 Heliocol drainage valve, 3/4" threaded	
1	1353050 Saddle clamp 50 × 3/4"	
2	1239152 Heliocol top Crocodile clip – black	
3	1239153 Heliocol bottom Crocodile clip – black	
4	1239200 Heliocol solar heating control panel CCS-1	
5	1239300 Motorised 3-way valve Ø 50 (230V)	
	1239600 Motorised 3-way valve Ø 63 (230V)	
	1394050 PVC Y check valve, solvent, Ø 50	
	1394063 PVC Y check valve, solvent, Ø 63	
Heliocol accessories		
1239190	Solar collector panel repair kit	

Complete installation – 60% of the pool surface area									
Code	Pool dimensions	Heliocol collector panel 1239100	Fixing bracket 1239105	Crocodile clips		Threaded nipple, solvent, 50 mm 1239110	Flat cap 1239120	Drain valve 1239136 + 1353050	Price
				Top 1239152	Bottom 1239153				
1240000	4 X 8	6	14	12	6	2	2	1	
1240100	4 X 9	7	16	14	7	2	2	1	
1240200	5 X 10	9 •	22	18	9	4	4	1	
1240300	5 X 11	10 •	24	20	10	4	4	1	
1240400	5 X 12	11 •	26	22	11	4	4	1	
1240500	6 X 12	13 •	30	26	13	4	4	1	

Heat regulation (CCS-1 control panel and/or motorised valve) not included.
 (•): Given the number of collector panels, two row configuration.

General principle

The evaporation of water from indoor pools causes the air to become saturated with water. Streaming of condensation, associated with very high humidity, can cause structural damage as well as damage to the pool room. In addition, people find very high humidity is also extremely difficult to bear.

The air in the room must be dehumidified. Tried and tested air conditioning techniques were used to develop a series of autonomous dehumidifiers that exploit the same operating principle as a heat pump.

By capturing the calories from treated air, these very reliable devices provide efficient dehumidification irrespective of the weather conditions at a very low cost.

Dehumidifiers exploit a thermodynamic process to completely dehumidify the area around the pool. Humid air drawn in from the room is filtered, cooled by the evaporator, then heated by the condenser in the refrigerant circuit to a temperature above that in the pool room.

Thus the condenser returns the heat of condensation contained in the humid air and heats the pool room.

Mid-season, and in summer, when the heating demand of the pool room drops, an additional titanium water condenser (DG-CE and DE-CE ranges only) allows these calories to be used to heat the pool water.



Specialised design office

Engineers and technicians carry out comprehensive, customised analysis of your project. Skilled and experienced, these specialists ensure that the heating and/or dehumidification equipment is correctly sized and integrates seamlessly into the installation site.

Purpose designed applications are used to carry out thermal calculations, draw up a diagram of the ductwork, ensure aeraulic optimisation and generate a precise quote.

Contact our design office
+ 33 2 99 61 24 64
+ 33 2 99 61 24 64

ALUMINIUM CASING

Corrosion proof, weight savings and simple maintenance

- AG3 grade aluminium, with thermal insulation provided by wool,
- Compact and optimised,
- Access ports mounted on polyamide hinges, with quarter turn tightening and peripheral seal,
- Generously sized compartments ensure excellent performance level and ease of maintenance,
- Control panel outside the air stream, facilitating maintenance and control of the device.



Refrigerant circuit,

Corrosion proof, extremely efficient and ergonomic

- Refrigerant R 410A,
- Among the most energy efficient devices in their category,
- Full access to the unit and separate from the air stream,
- High yield evaporator coil, with copper tubes and epoxy coated aluminium fins,
- Complies with the pressure equipment directive 97/23/CEE,
- All components (expansion coil, condenser, etc.) are mounted in a way that provides optimal accessibility for maintenance.

Compressor

- Exploits SCROLL technology, which provides optimal energetic yield,
- Light, compact compressor to optimises machine size.

Filtration

Highly efficient casing, low load losses, recyclable, accessibility

- Highly efficient G4 EUROVENT filter,
- Innovative filtration solutions,
- Incinerable,
- Environmentally responsible,
- Easily dismantled,
- Fire classification M1.

Fan

Low consumption, runs quietly, variable flow rate, ergonomic

- Plug Fan, variable flow rate fans,
- Electronically Commutated Motor, selected according to the Erp2015 directive taking the consumption/ acoustic ratio into consideration
- High yield,
- Configuration versatility,
- Settings easily adjusted to the load loss of the air handling system.



Compresseur Scroll



Plug-Fan



Heat exchanger

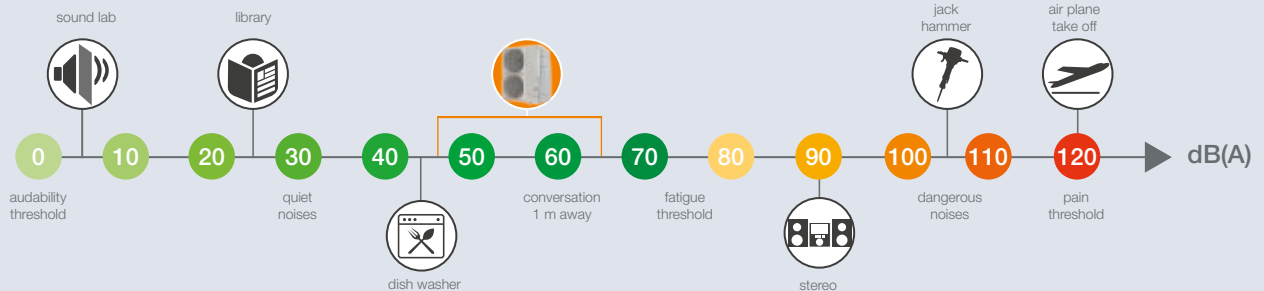
Electrical panel

Compliance, accessibility, identification and simplicity

- Integrated electrical panel with access hatch regrouping safety and regulation components,
- Easy access, separate from the air stream,
- Clearly identified wires, in compliance with the standards in effect (NF EN C15-100 and NF EN60204-1),
- Power supply: 230 V 1ph or 400 V 3ph depending on the model.

Controller with digital display

The controller, equipped with a digital display, is comprised of 2 parts: one is mounted on the front of the machine, the other is mounted remotely in the pool room. It may be used to control hygrometry alone or both hygrometry and air temperature, if the heating option is installed.



The scale below compares the acoustic power of BWT dehumidifier by Theraco dehumidifiers with familiar events.

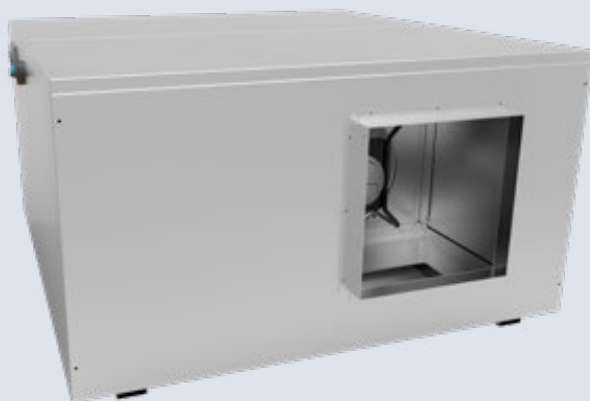
BWT DG DEHUMIDIFIERS

Family 5 230

The DG range of ducted dehumidifiers offers a wide range of models to suit all types of indoor pools.

The extensive range of horizontal and vertical models, along with the versatility of the air supply and air exhaust configurations, ensure that these single airstream dehumidifiers can adapt to all installation constraints.

This product protects the pool room structure and furnishings, ensures the physical comfort of people in the pool room and all while substantially reducing operating costs.



DG DEHUMIDIFIERS – TECHNICAL DATA

	DG 90M	DG 110M	DG 110T	DG 180M	DG 180T	DG 250T	DG 350T	DG 410T	DG 540T	DG 610T	DG 660T
Capacity (litres/hour) air temperature 30°C , RH 70%*	3.8	4.7	4.7	7.6	7.6	10.5	14.6	17	22.4	25.5	27.5
Capacity (Litres/24 hours)	91	113	113	182	182	252	350	408	538	612	660
Input power (kW)	1.6	1.8	1.8	2.7	2.7	3.9	5.2	5.9	7	8.4	9.4
Net power output to air (kW)	6.9	8.4	8.4	13.1	13.1	18.2	25.0	29.1	37.3	42.8	46.5
Gross power output to air (kW)	4.4	5.2	5.2	8.2	8.2	11.5	15.6	17.9	23.0	26.4	29.1
COP	2.66	2.83	2.83	3.08	3.08	2.96	2.99	3.03	3.24	3.12	3.07
Nominal air flow rate (m ³ /h)	1300	1400	1400	1900	1900	2850	3700	4800	6000	7000	7500
Available pressure (Pa)	100	100	100	100	100	100	100	100	100	100	100****
Refrigerant	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A
Acoustic pressure at 5 m (dB(A))**	52	54	55	53	56	57	59	63	59	61	65
Blower acoustic power (dB(A))	73	75	76	75	78	79	81	86	81	84	88
Intake acoustic power (dB(A))	66	68	70	67	71	71	74	78	73	77	79
Number of air intake configurations	2 for vertical models & 1 for horizontal models (see the following pages)										
Number of air exhaust configurations	10 for vertical models & 5 for horizontal models										
Maximum current (A)***	17.3	19.6	10.1	28.7	12.6	16	20.7	21.6	24.7	28.1	33.2
Power supply	230V	230V	400V	230V	400V	400V	400V	400V	400V	400V	400V
Code	95002XY	95004XY	95005XY	95006XY	95007XY	95009XY	95011XY	95013XY	95015XY	95017XY	95019XY
Price											

The letters XY correspond of the dehumidifier intakes and exhaust ports.
All the exhaust and air intake configurations are presented on the following pages.



*According to the test protocol EN 810 :1997, that is Air temperature 30°C and RH 70%
**Acoustic pressure of the device at 5 meters in an open field (directivity 1 & tolerance +- 3 dB).
***Excluding the heating battery option
**** Available pressure (Pa) of 200 on request



BWT DG-CE DEHUMIDIFIERS

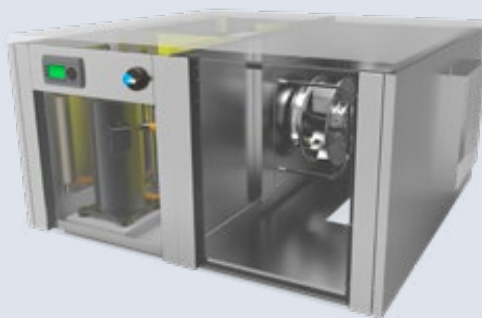
Family 5 230

DG-CE dehumidifiers have similar specifications to the DG range the only difference being that DG-CE dehumidifiers are equipped with an additional titanium water condenser that allows calories captured from air to be transferred to the pool water. This feature is particularly appreciated in spring and summer when the pool room heating demand is low. The switch between pool room air heating mode and pool water heating mode is made automatically depending on the ambient air temperature set-point selected by the user.

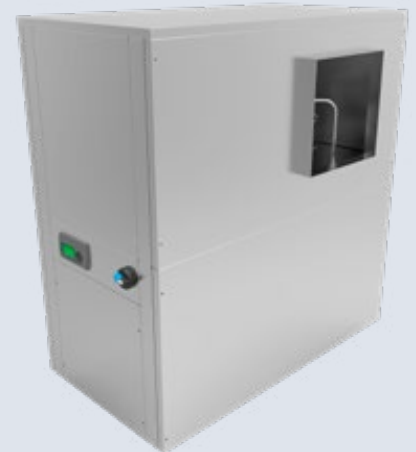
A flow controller manages the flow of water through the titanium exchanger.

Transferring the heat calories recovered by the dehumidifier to the pool water has two advantages: it prevents unnecessary and excessive heating of the air in the pool room, and it reduces cost of heating the pool water.

The water condenser is made of titanium, a material that is not susceptible to corrosion; it is also compatible with pools fitted with a salt water electrolyser.



Titanium water condenser



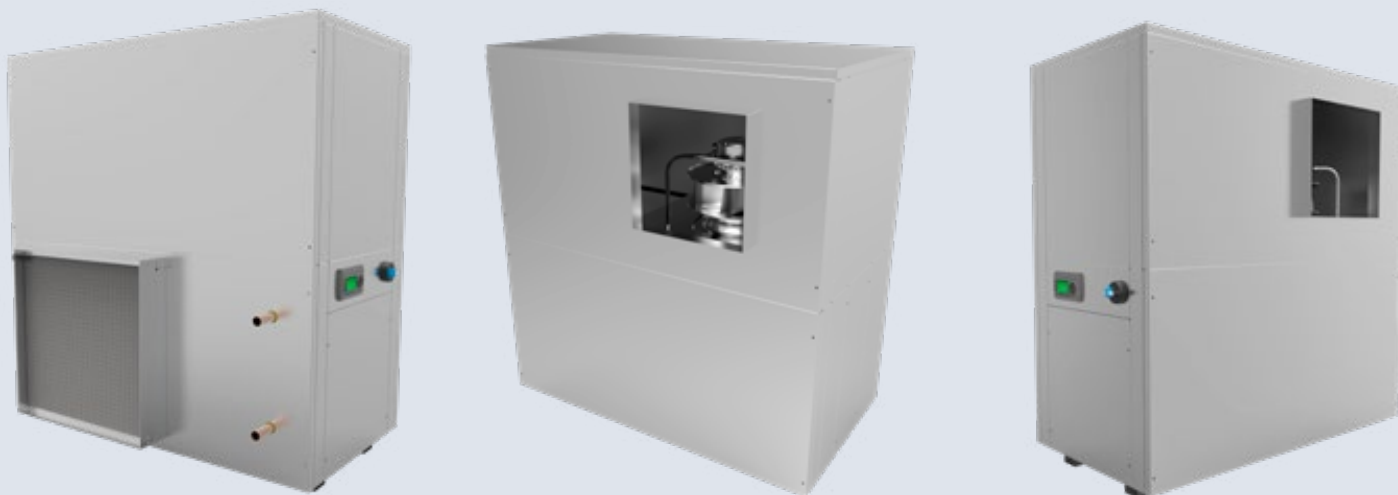
DG-CE DEHUMIDIFIERS – TECHNICAL DATA

	DG-CE 90M	DG-CE 110M	DG-CE 110T	DG-CE 180M	DG-CE 180T	DG-CE 250T	DG-CE 350 T	DG-CE 410T	DG-CE 540T	DG-CE 610T	DG-CE 660T
Capacity (Litres/hour), air temperature 30°C, RH 70%*	3.8	4.7	4.7	7.6	7.6	10.5	14.6	17	22.4	25.5	27.5
Capacity (Litres/24 hours)	91	113	113	182	182	252	350	408	538	612	660
Input power (kW)	1.6	1.8	1.8	2.7	2.7	3.9	5.2	5.9	7	8.4	9.4
Gross power output to air (kW) (at the condensor)*	6.9	8.4	8.4	13.1	13.1	18.2	25.0	29.1	37.3	42.8	46.5
Net power output to air (kW)*	4.4	5.4	5.4	8.3	8.3	11.4	15.8	17.9	23.3	26.8	29.4
COP	2.66	2.83	2.83	3.08	3.08	2.96	2.99	3.03	3.24	3.12	3.07
Power output to water (kW)*	7.0	8.7	8.7	13.4	13.4	18.3	25.4	29.2	38.3	43.8	47.7
Nominal air flow rate (m ³ /h)	1300	1400	1400	1900	1900	2850	3700	4800	6000	7000	7500
Available pressure (Pa)	100	100	100	100	100	100	100	100	100	100	100****
Refrigerant	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A	R 410A
Acoustic pressure at 5 m (dB(A))**	52	54	55	53	56	57	59	63	59	61	65
Blower acoustic power (dB(A))	73	75	76	75	78	79	81	86	81	84	88
Intake acoustic power (dB(A))	66	68	70	67	71	71	74	78	73	77	79
Number of air intake configurations	2 for vertical models & 1 for horizontal models (see the following pages)										
Number of blower intake configurations	10 for vertical models & 5 for horizontal models										
Maximum current (A)***	17.3	19.6	10.1	28.7	12.6	16	20.7	21.6	24.7	28.1	33.2
Power supply	230V	230V	400V	230V	400V	400V	400V	400V	400V	400V	400V
Minimum water flow rate (m ³ /h)	0.8	1	1.5	1.5	1.5	1.8	2.5	3.2	3.7	4.3	5
Maximum water flow rate (m ³ /h)	3.9			3.7			6			6	
Maximum load loss (mWC)	2.2			1.9			2.2			2.8	
Code	95102XY	95104XY	95105XY	95106XY	95107XY	95109XY	95111XY	95113XY	95115XY	95117XY	95119XY
Price											

The letters XY correspond of the dehumidifier intakes and exhaust ports.
All the exhaust and air intake configurations are presented on the following pages.



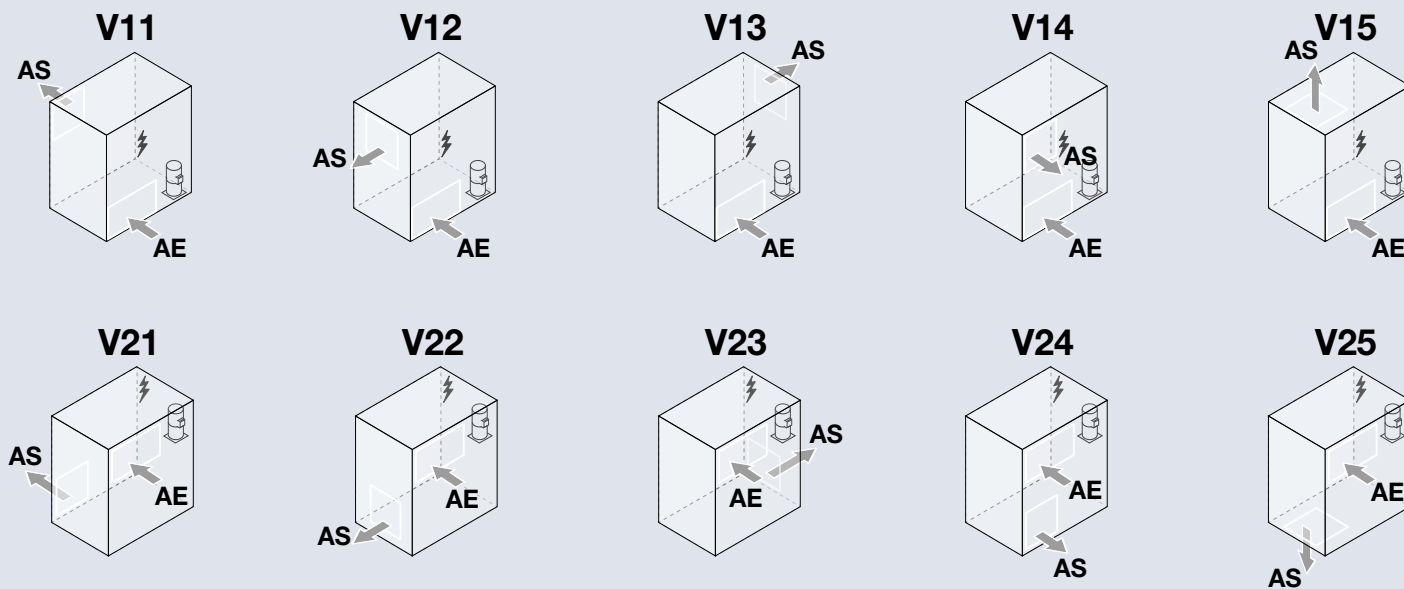
*According to the test protocol EN 810 :1997, that is Air temperature 30°C and RH 70%
**Acoustic pressure of the device at 5 meters in an open field (directivity 1 & tolerance +or- 3 dB).
***Excluding the heating battery option
**** Available pressure (Pa) of 200 on request



HOW TO PLACE AN ORDER:

- 1 - State the code of the DG or DG-CE dehumidifier to be ordered
- 2 - In the case of a vertical DG or DG-CE dehumidifier, choose one of the ten configurations shown below, (V11 to V15 and V21 to V25), with air intake/ exhaust positions that correspond to your needs.
- 3 - For the additional heating option, specify the code of the hot water or electrical heating battery
- 4 - To order a damper to allow the introduction of outside air, specify the damper code.

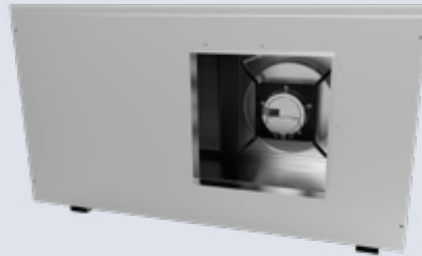
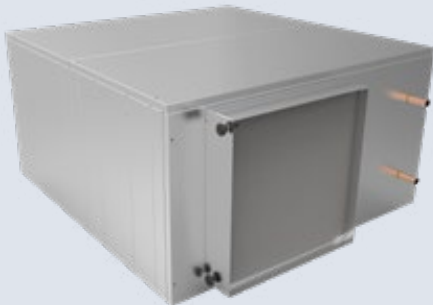
+ To choose a dehumidifier model, simply replace the letters XY (codes on the previous pages) with the numbers corresponding to the desired configuration.





BWT HORIZONTAL MODELS

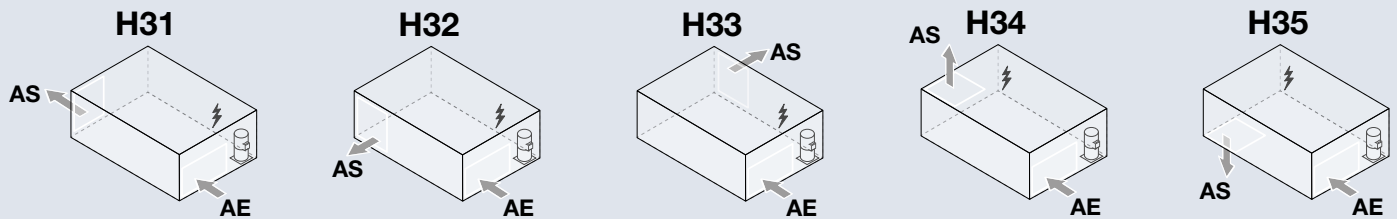
Family 5 230



HOW TO PLACE AN ORDER:

- 1 - State the code of the DG or DG-CE dehumidifier to be ordered.
- 2 - In the case of a horizontal DG or DG-CE dehumidifier, select one of the 5 configurations below (H31 to H35), with air intake/ exhaust positions that correspond to your needs.
- 3 - For the additional heating option, specify the code of the hot water or electrical heating battery
- 4 - To order a damper to allow the introduction of outside air, specify the damper code.

+ To choose a dehumidifier model, simply replace the letters XY (codes on the previous pages) with the numbers corresponding to the desired configuration.



INTAKE AND EXHAUST PARTS FOR VERTICAL AND HORIZONTAL DUCTED DEHUMIDIFIERS

Adapter type	Rectangular/circular adaptor for air intake				Rectangular/circular adaptor for models with air exhaust located underneath				Rectangular/ circular adaptor to blow air from underneath											
Dehumidifier model	DG 90	DG 180	DG 350	DG 540	DG 90	DG 180	DG 350	DG 540	DG 90	DG 180	DG 350	DG 540								
	DG-CE 90	DG-CE 180	DG-CE 350	DG-CE 540									DG-CE 90	DG-CE 180	DG-CE 350	DG-CE 540				
	DG 110	DG 250	DG 410	DG 610									DG 110	DG 250	DG 410	DG 610	DG 110	DG 250	DG 410	DG 610
	DG-CE 110	DG-CE 250	DG-CE 410	DG-CE 610									DG-CE 110	DG-CE 250	DG-CE 410	DG-CE 610	DG-CE 110	DG-CE 250	DG-CE 410	DG-CE 610
				DG 660												DG 660				DG 660
Outlet diameter	Ø 315 mm	Ø 500 mm	Ø 630 mm	Ø 710 mm	Ø 315 mm	Ø 500 mm	Ø 630 mm	Ø 710 mm	Ø 315 mm	Ø 500 mm	Ø 630 mm	Ø 710 mm								
Code	9586030	9586050	9586060	9586070	9586130	9586150	9586160	9586170	9586230	9586250	9586260	9586270								
Price																				

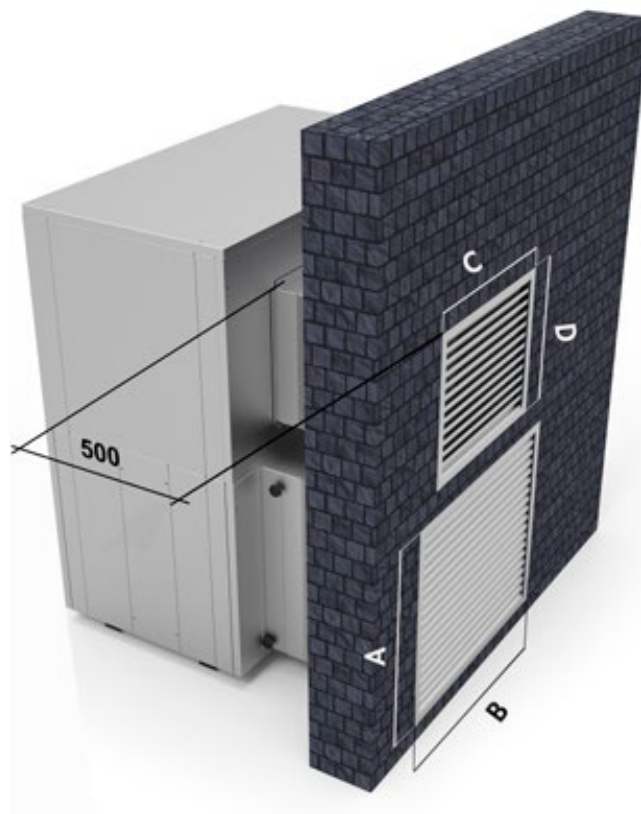
The DE range of through the wall dehumidifiers are designed for small to medium sized indoor pools.

These single airstream dehumidifiers protect the pool room structure and furnishings and ensure the physical comfort of people in the pool room while substantially reducing operating costs.

They are installed in a plant room adjacent to the pool room.

DE dehumidifiers are fitted with the following as standard:

- An air intake grate (anodised aluminium, double deflector grate)
- An air exhaust grate (an anodised aluminium double deflector grate to direct the air flow)
- A galvanised steel adaptor to connect the intake grate to the dehumidifier inlet
- A galvanised steel adaptor to connect the exhaust grate to the dehumidifier outlet



	Intake grate dimensions		Exhaust grate dimensions	
	A	B	C	D
DE90 and DE110	500	500	400	300
DE 180	600	700	500	400

DE models – Technical data

	DE 90M	DE 110M	DE 110T	DE 180M	DE 180T
Capacity (Litres/hour) air temperature, RH 70%*	3.8	4.7	4.7	7.6	7.6
Capacity (Litres/24 hours)	91	113	113	182	182
Input power (kW)	1.6	1.8	1.8	2.7	2.7
COP	2.66	2.83	2.83	3.08	3.08
Gross power output (at the condensor) to air (kW)	6.9	8.4	8.4	13.1	13.1
Net power output to air (kW)	4.4	5.2	5.2	8.2	8.2
Nominal air flow rate (m ³ /h)	1300	1400	1400	1900	1900
Refrigerant	R 410A	R 410A	R 410A	R 410A	R 410A
Acoustic pressure at 5 m (dB(A))**	52	54	55	53	56
Blower acoustic power (dB(A))	73	75	76	75	78
Intake acoustic power (dB(A))	66	68	70	67	71
Maximum current (A)***	17.3	19.6	10.1	28.7	12.6
Power supply	230V	230V	400V	230V	400V
Code	9520214	9520414	9520514	9520614	9520714
Price					



*According to the test protocol EN 810 :1997, that is Air temperature 30°C and RH 70%
 **Acoustic pressure of the device at 5 meters in an open field (directivity 1 & tolerance +or- 3 dB)
 ***Excluding the heating battery option



DE-CE dehumidifiers have similar specifications to the DE range, the only difference being that DE-CE dehumidifiers are equipped with an additional titanium water condenser that allows calories captured from air to be transferred to the pool water.

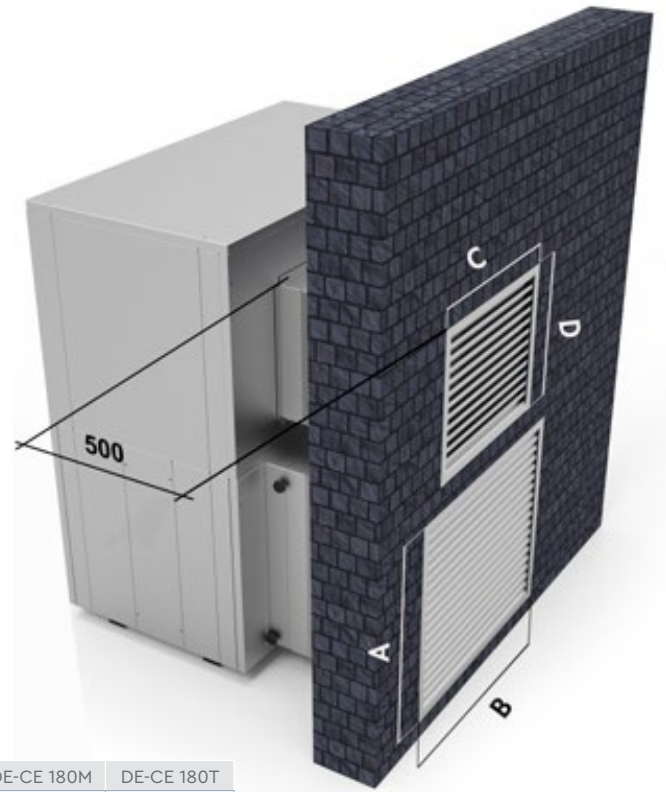
This feature is particularly appreciated in spring and summer when the pool room heating demand is low.

The switch between pool room air heating mode and pool water heating mode is made automatically depending on the ambient air temperature set-point selected by the user.

Transferring the heat calories recovered by the dehumidifier to the pool water has two advantages: it prevents unnecessary and excessive heating of the air in the pool room, and it reduces cost of heating the pool water.

The water condenser is made of titanium, a material that is not susceptible to corrosion; it is also compatible with pools fitted with a salt water electrolyser

A flow controller manages the flow of water through the titanium exchanger.



DE-CE models – technical data

	DE-CE 90M	DE-CE 110M	DE-CE 110T	DE-CE 180M	DE-CE 180T
Capacity (Litres/hour) air temperature, RH 70%*	3.8	4.7	4.7	7.6	7.6
Capacity (Litres/24 hours)	91	113	113	182	182
Input power (kW)	1.6	1.8	1.8	2.7	2.7
COP	2.66	2.83	2.83	3.08	3.08
Gross power output (at the condensor) to air (kW)	6.9	8.4	8.4	13.1	13.1
Net power output to air (kW)	4.4	5.4	5.4	8.3	8.3
Nominal air flow rate (m ³ /h)	1300	1400	1400	1900	1900
Refrigerant	R 410A	R 410A	R 410A	R 410A	R 410A
Acoustic pressure at 5 m (dB(A))**	52	54	55	53	56
Blower acoustic power (dB(A))	73	75	76	75	78
Intake acoustic power (dB(A))	66	68	70	67	71
Maximum current (A)***	17.3	19.6	10.1	28.7	12.6
Power supply	230V	230V	400V	230V	400V
Minimum water flow rate (m ³ /h)	0.8	1	1.5	1.5	1.5
Maximum water flow rate (m ³ /h)	3.9			3.7	
Maximum load loss (mWC)	2.2			1.9	
Code	9530214	9530414	9530514	9530614	9530714
Price					



Titanium water condensor




*According to the test protocol EN 810 :1997, that is Air temperature 30°C and RH 70%
 **Acoustic pressure of the device at 5 meters in an open field (directivity 1 & tolerance +or- 3 dB)
 ***Excluding the heating battery option

DUCTED AND THROUGH-THE-WALL DEHUMIDIFIERS

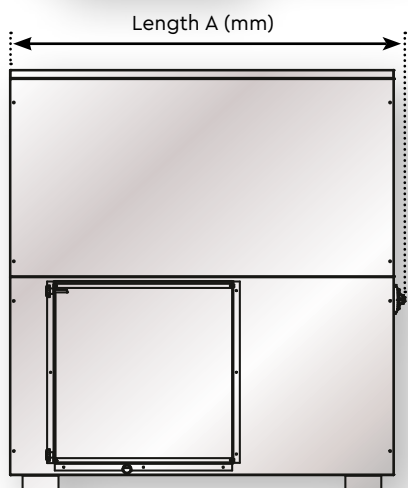
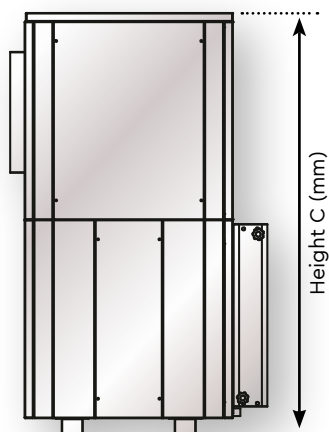
BWT FOOTPRINT & WEIGHT, DG - DG-CE - DE - DE-CE MODELS

Family 5 230

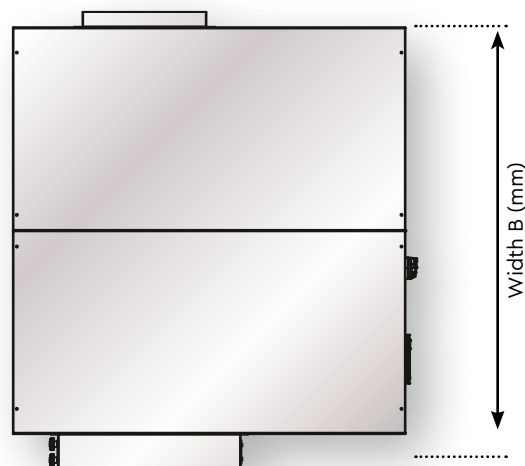
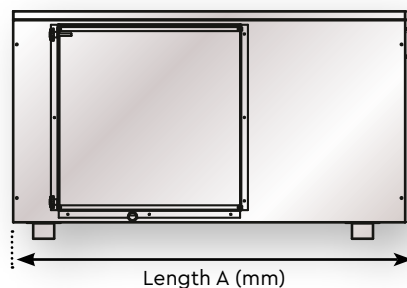
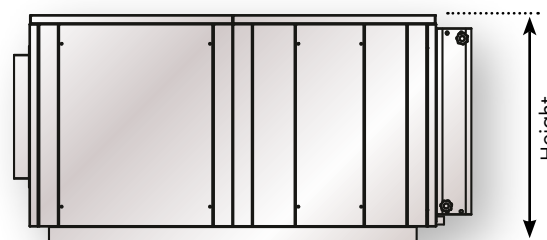
		90M	110M	110T	180M	180T	250T	350 T	400T	540T	610T	660T
Weight (kg) DG and DE		131	133	134	159	161	177	232	237	301	301	319
Weight (kg) DG-CE and DE-CE		136	138	139	165	167	183	240	245	311	311	329
Horizontal	Length A (mm)	1110			1310			1590		2040		
	Width B (mm)	1240			1320			1535		1855		
	Height C (mm)	735			740			845		975		
Vertical	Length A (mm)	1110			1310			1590		2040		
	Width B (mm)	650			690			795		925		
	Height C (mm)	1320			1400			1610		1870		

 Apart from the 540, 610 and 660 models, dehumidifiers are no wider than 800 mm so they may be carried through door ways.

Vertical models



Horizontal models





Electrical and hot water battery options can provide additional heating of the ambient air. The heating batteries run independently of the dehumidifier. They are controlled by a thermostat in the pool room.

BWT AIR HEATING OPTIONS

Family 5 230

Hot water battery

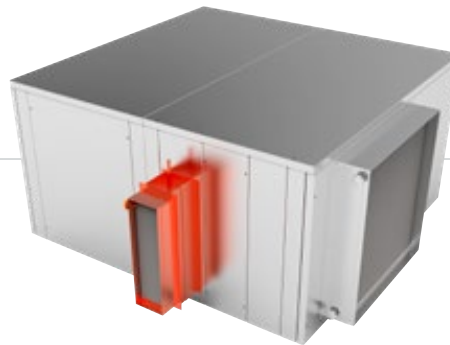
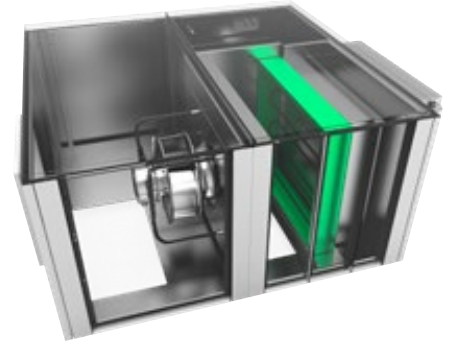
Hot water batteries run off the primary loop of a central heating boiler or heat pump. The hot water battery is comprised of

copper tubes and aluminium fins that are epoxy coated for better resistance against aggressive environments.



Stainless steel electrical battery

The electrical battery is made of stainless steel. It is equipped with a thermostat with 2 safety levels.



BWT OUTSIDE AIR INTAKE DAMPER

Family 5 230

Manually operated outside air intake damper fitted with a filter to take in clean air. The flow rate of the clean outside air can be set to between 0% and 10% of the total air flow rate of the machine.

Options

	90M	110M	110T	180M	180T	250T	350 T	410T	540T	610T	660T
Hot water batteries											
Weight (kg)	13.9	14.5	14.5	19.5	19.5	32.3	39.5	56.3	56.6	61.9	64.9
Primary loop flow rate (m ³ /h) (regimen 90/70°C)	0.61	0.64	0.64	0.86	0.86	1.42	1.75	2	2.5	2.7	2.85
Primary loop load loss (mWC) regimen 90/70°C	2.25	2.4	2.4	2.3	2.3	2.05	1.9	2.5	1.9	2	2.2
Power (kW), primary loop 40–50° C	4.4	4.6	4.6	6.3	6.3	10.4	12.6	14.7	18.1	19.7	20.6
Primary loop flow rate (m ³ /h) (regimen 50/40°C)	0.38	0.4	0.4	0.55	0.55	0.9	1.1	1.3	1.6	1.7	1.8
Primary loop load loss (mWC) regimen 50/40°C	1.1	1.2	1.2	1.15	1.15	1.05	0.95	1.2	0.85	1	1.05
Weight (kg)	9	9	9	11	11	11	16	16	18	18	18
Code	9500230		9500630		9500930		9501130		9501530		
Price											
Electrical batteries											
Battery power (kW)	4	4	4.5	5	6	9	12	15	18	18	18*
Weight (kg)	5.1	5.1	5.3	5.3	6.3	6.9	7.8	8.4	9.8	9.8	9.8
Code	9500245		9500545	9500645	9500745	9500945	9501145	9501345	9501545		
Price											
Fresh air dampers											
Weight (kg)	4	4	4	4	4	4	4.2	4.2	4.5	4.5	4.5
Code	9500240		9500640		9501140		9501540				
Price											

DEHUMIDIFIER ACCESSORIES



Dehumidifier accessories (ventilation ducts and unions) may only be ordered in conjunction with an order for a ducted dehumidifier.

Z275 GALVANISED SHEET STEEL RIGID CIRCULAR DUCTS

Family 5 230

Ducts are female, they fit onto the male seal or standard accessories. They comply with the standards NF EN 1506 (dimensions) and NF EN 12237 (strength and leaktightness). They are designed for installation in plant rooms, crawl spaces or suspended ceilings. If the ducts need to be buried, use PVC ducts..



Code	Description	Price
9580030	Rigid galvanised steel duct Ø315 mm	3 m length
9580040	Rigid galvanised steel duct Ø400 mm	3 m length
9580050	Rigid galvanised steel duct Ø500 mm	3 m length
9580060	Rigid galvanised steel duct Ø690 mm	3 m length
9580070	Rigid galvanised steel duct Ø710 mm	3 m length

FLEXIBLE ALUMINIUM DUCTS

Family 5 230

Flexible aluminium ducts may be used to connect a rigid duct to the plenum that supplies the diffuser.



Code	Description	Price
9580105	Flexible aluminium duct Ø100 mm, length 10 m	10 m length
9580110	Flexible aluminium duct Ø125 mm, length 10 m	10 m length
9580115	Flexible aluminium duct Ø160 mm, length 10 m	10 m length
9580120	Flexible aluminium duct Ø200 mm, length 10 m	10 m length
9580125	Flexible aluminium duct Ø250 mm, length 10 m	10 m length
9580130	Flexible aluminium duct Ø315 mm, length 10 m	10 m length
9580140	Flexible aluminium duct Ø400 mm, length 10 m	10 m length
9580150	Flexible aluminium duct Ø500 mm, length 10 m	10 m length

DUAL LIP SEAL GALVANISED UNIONS

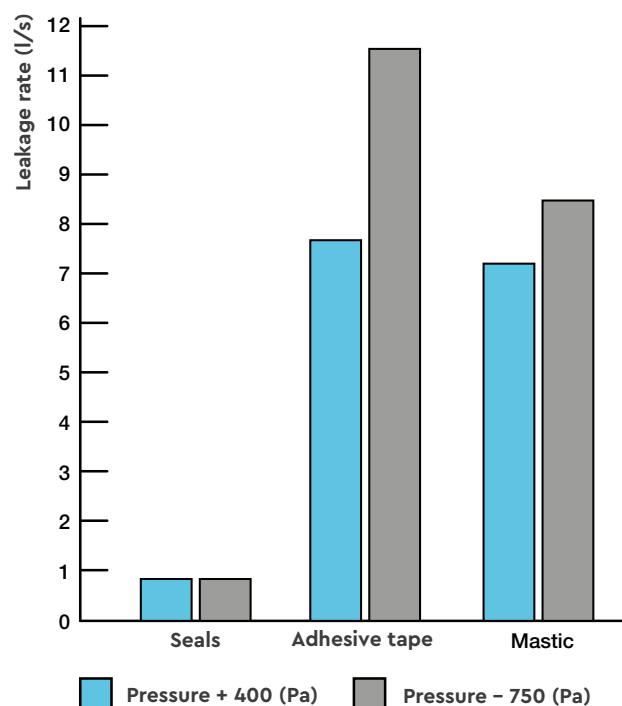
Family 5 230

A well designed and correctly installed air duct network is crucial for proper functioning of the ventilation system. Poor duct tightness can lead to:

- Over sizing of the network and the fan,
- Increased energy consumption,
- Additional heat loss,
- Noise nuisance.

Dual lip seal accessories allow:

- Class D duct tightness according to the Standard NF EN 12237,
- 60% less leaks compared to a standard solution (mastic or adhesive tape),
- 30% faster installation time (no mastic or adhesive tape),
- Aesthetic finish for better architectural integration,
- Decreased risk of accidents (cuts) and easier assembly due to the turned edges and engaging cone



All the dual lip seal galvanised unions are male.

* Article available on order

STANDARD GALVANISED ELBOWS (MASTIC/ADHESIVE TAPE)

Family 5 230

All the standard galvanised steel unions are male unless otherwise indicated.



Code	Description	Price
9583030	Standard 90° galvanised elbow, Ø315 mm	
9583040	Standard 90° galvanised elbow, Ø400 mm	
9583050	Standard 90° galvanised elbow, Ø500 mm	
9583060	Standard 90° galvanised elbow, Ø630 mm	
9583070	Standard 90° galvanised elbow, Ø710 mm	
9583130	Standard 45° galvanised elbow, Ø315 mm	
9583140	Standard 45° galvanised elbow, Ø400 mm	
9583150	Standard 45° galvanised elbow, Ø500 mm	
9583160	Standard 45° galvanised elbow, Ø630 mm	
9583170	Standard 45° galvanised elbow, Ø710 mm	

STANDARD GALVANISED EQUAL TEES (MASTIC/ADHESIVE TAPE)

Family 5 230



Code	Description	Price
9583230	Standard galvanised equal tee Ø315 mm	
9583240	Standard galvanised equal tee Ø400mm	
9583250	Standard galvanised equal tee Ø500 mm	
9583260	Standard galvanised equal tee Ø630 mm	
9583270	Standard galvanised equal tee Ø710 mm	

STANDARD GALVANISED 45° REDUCTION TEES (MASTIC/ADHESIVE TAPE)

Family 5 230



Code	Description	Price
9583311	Standard 45° galvanised reduction tee Ø315/125 mm	
9583312	Standard 45° galvanised reduction tee Ø315/160 mm	
9583371	Standard 45° galvanised reduction tee Ø400/125 mm	
9583372	Standard 45° galvanised reduction tee Ø400/160 mm	
9583373	Standard 45° galvanised reduction tee Ø400/200 mm	
9583353	Standard 45° galvanised reduction tee Ø500/200 mm	

STANDARD GALVANISED REDUCTION FITTING (MASTIC/ADHESIVE TAPE)

Family 5 230



Code	Description	Price
9584535	Standard galvanised reduction fitting Ø400/315 mm	
9584557	Standard galvanised reduction fitting Ø500/400 mm	
9584555	Standard galvanised reduction fitting Ø500/315 mm	
9584578	Standard galvanised reduction fitting Ø630/500 mm	
9584577	Standard galvanised reduction fitting Ø630/400 mm	
9584575	Standard galvanised reduction fitting Ø630/315 mm	
9584589	Standard galvanised reduction fitting Ø710/630 mm	
9584588	Standard galvanised reduction fitting Ø710/500* mm	
9584587	Standard galvanised reduction fitting Ø710/40 mm	

ACCESSORIES DEHUMIDIFIERS



Dehumidifier accessories (ventilation ducts and unions) may only be ordered in conjunction with an order for a ducted dehumidifier.

STANDARD MALE AND FEMALE COLLAR (MASTIC/ADHESIVE TAPE)

Family 5 230



Code	Description	Price
9583530	Standard galvanised male collar Ø315 mm	
9583540	Standard galvanised male collar Ø400 mm	
9583550	Standard galvanised male collar Ø500 mm	
9583560	Standard galvanised male collar Ø630 mm	
9583570	Standard galvanised male collar Ø710 mm	
9583630	Standard galvanised female collar Ø315 mm	
9583640	Standard galvanised female collar Ø400 mm	
9583650	Standard galvanised female collar Ø500 mm	
9583660	Standard galvanised female collar Ø630 mm	
9583670	Standard galvanised female collar Ø710 mm	

STANDARD GALVANISED CAPS (MASTIC/BANDES ADHÉSIVES)

Family 5 230



Code	Description	Price
9583730	Standard galvanised male/ female cap Ø315 mm	
9583740	Standard galvanised male/ female cap Ø400 mm	
9583750	Standard galvanised male/ female cap Ø500 mm	
9583761	Standard galvanised male cap Ø630 mm	
9583771	Standard galvanised male cap Ø710 mm	

STANDARD BALANCING DAMPERS (MASTIC/ADHESIVE TAPE)

Family 5 230



Code	Description	Price
9583830	Standard balancing damper Ø315 mm	
9583840	Standard balancing damper Ø400 mm	
9583850	Standard balancing damper Ø500 mm	
9583860	Standard balancing damper Ø630 mm	
9583870	Standard balancing damper Ø710 mm	

DUAL LIP SEAL GALVANISED STEEL ELBOWS

Family 5 230



Code	Description	Price
9581030	Dual lip seal, galvanised 90° elbow Ø315 mm	
9581040	Dual lip seal, galvanised 90° elbow Ø400 mm	
9581050	Dual lip seal, galvanised 90° elbow Ø500 mm	
9581060	Dual lip seal, galvanised 90° elbow Ø630 mm	
9581130	Dual lip seal, galvanised 90° elbow Ø315 mm	
9581140	Dual lip seal, galvanised 90° elbow Ø400 mm	
9581150	Dual lip seal, galvanised 90° elbow Ø500 mm	
9581160	Dual lip seal, galvanised 90° elbow Ø630 mm	

DUAL LIP SEAL GALVANISED STEEL EQUAL TEES

Family 5 230



Code	Description	Price
9581230	Dual lip seal galvanised steel equal tee Ø315 mm	
9581240	Dual lip seal galvanised steel equal tee Ø400 mm	
9581250	Dual lip seal galvanised steel equal tee Ø500 mm	
9581260	Dual lip seal galvanised steel equal tee Ø630 mm	

* Article available on order

DUAL LIP SEAL GALVANISED STEEL 45° REDUCTION TEES

Family 5 230



Code	Description	Price
9581311	Dual lip seal, galvanised steel 45° reduction tee Ø315/125 mm	
9581312	Dual lip seal, galvanised steel 45° reduction tee Ø315/160 mm	
9581331	Dual lip seal, galvanised steel 45° reduction tee Ø400/125 mm	
9581332	Dual lip seal, galvanised steel 45° reduction tee Ø400/160 mm	
9581333	Dual lip seal, galvanised steel 45° reduction tee Ø400/200 mm	
9581353	Dual lip seal, galvanised steel 45° reduction tee Ø500/200 mm	

DUAL LIP SEAL GALVANISED STEEL REDUCTION FITTING

Family 5 230



Code	Description	Price
9582635	Dual lip seal, galvanised steel reduction fitting Ø400/315 mm	
9582657	Dual lip seal, galvanised steel reduction fitting Ø500/400 mm	
9582655	Dual lip seal, galvanised steel reduction fitting Ø500/315 mm	
9582678	Dual lip seal, galvanised steel reduction fitting Ø630/500 mm	
9582677	Dual lip seal, galvanised steel reduction fitting Ø630/400 mm	
9582675	Dual lip seal, galvanised steel reduction fitting Ø630/315 mm	

DUAL LIP SEAL GALVANISED STEEL COLLAR

Family 5 230



Code	Description	Price
9581530	Dual lip seal galvanised steel collar Ø315 mm	
9581540	Dual lip seal galvanised steel collar Ø400 mm	
9581550	Dual lip seal galvanised steel collar Ø500 mm	
9581560	Dual lip seal galvanised steel collar Ø630 mm	

DUAL LIP SEAL GALVANISED STEEL CAP

Family 5 230



Code	Description	Price
9581630	Dual lip seal galvanised steel cap Ø315 mm	
9581640	Dual lip seal galvanised steel cap Ø400 mm	
9581650	Dual lip seal galvanised steel cap Ø500 mm	
9581660	Dual lip seal galvanised steel cap Ø630 mm	

DUAL LIP SEAL GALVANISED STEEL BALANCING DAMPER

Family 5 230



Code	Description	Price
9581730	Dual lip seal galvanised steel balancing damper Ø315 mm	
9581740	Dual lip seal galvanised steel balancing damper Ø400 mm	
9581750	Dual lip seal galvanised steel balancing damper Ø500 mm	
9581760	Dual lip seal galvanised steel balancing damper Ø630 mm	

DUAL LIP SEAL GALVANISED STEEL ACOUSTIC ATTENUATOR

Family 5 230



Code	Description	Price
9581830	Dual lip seal galvanised steel acoustic attenuator Ø315 mm	
9581840	Dual lip seal galvanised steel acoustic attenuator Ø400 mm	
9581850	Dual lip seal galvanised steel acoustic attenuator Ø500 mm	
9581860	Dual lip seal galvanised steel acoustic attenuator Ø630 mm	
9581870	Dual lip seal galvanised steel acoustic attenuator Ø710 mm	

* Article available on order

AIR INTAKE AND DIFFUSION ACCESSORIES

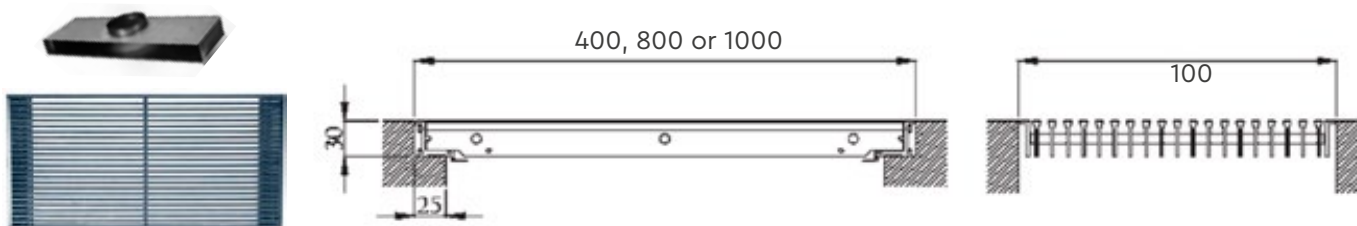
+ Dehumidifier accessories (ventilation ducts and unions) may only be ordered in conjunction with an order for a ducted dehumidifier.

LINEAR FLOOR GRILL WITH PLENUM BOX

Family 5 230

Floor grills are ideal for blowing air along bay windows. They are designed to be embedded into the floor. Made of aluminium, natural anodised finish, thickness 10 µm. Galvanised steel radial plenum box.

Code	Description	Min flow rate (m ³ /h)	Max flow rate (m ³ /h)	Price
9585000	Linear floor grill 400×100 mm and plenum box Ø160 mm	60	160	
9585010	Linear floor grill 800×100 mm and plenum box Ø250 mm	120	340	
9585020	Linear floor grill 1000×100 mm and plenum box Ø250 mm	160	420	



LINEAR CEILING SLOT DIFFUSERS WITH ADJUSTABLE DEFLECTORS AND PLENUM BOX

Family 5230

Linear ceiling slot diffusers are designed for installation in a suspended ceiling or plaster board ceiling. They are comprised of a white painted aluminium frame (RAL 9010) and black directional deflectors made of anti-corrosion treated steel. Radial plenum box made of galvanised steel.

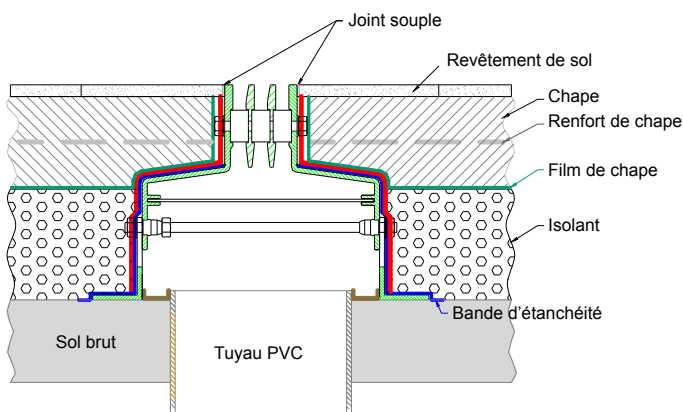
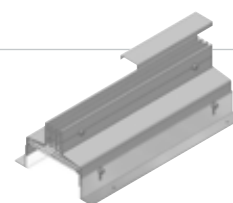


Code	Description	Min flow rate (m ³ /h)	Max flow rate (m ³ /h)	Price
9585200	Linear ceiling diffuser, 1 slot, length 900 mm and plenum box Ø125 mm	75	150	
9585210	Linear ceiling diffuser, 2 slots, length 900 mm and plenum box Ø160 mm	100	250	
9585220	Linear ceiling diffuser, 3 slots, length 900 mm and plenum box Ø200 mm	150	300	

BLOWER TRACKS

Family 5 230

- These tracks are ideal for blowing air along bay windows to prevent condensation.
- Corrosion proof, aluminium strip designed to ensure even distribution of air in the room.
- Easy to install, thanks to height adjustable brackets. The tracks are cut to length in the factory.



Code	Description	Price
9585610	Blower track, one slot*, 30 cm length	
9585611	Blower track, 2 slots*, 30 cm length	
9585612	Blower track, 3 slots*, 30 cm length	
9585613	Blower track, 4 slots*, 30 cm length	
9585614	Blower track, 5 slots*, 30 cm length	
9585620	Blower track mounting rail (height 100 to 125 mm), 30 cm*	
9585621	Blower track mounting rail (height 120 to 145 mm), 30 cm*	
9585622	Blower track mounting rail (height 140 to 165 mm), 30 cm*	
9585623	Blower track mounting rail (height 160 to 185 mm), 30 cm*	
9585624	Blower track mounting rail (height 180 to 205 mm), 30 cm*	
9585630	Connection union for two blower tracks*	
9585631	Blower tracks end caps*	
9585632	90° corner for blower track*	

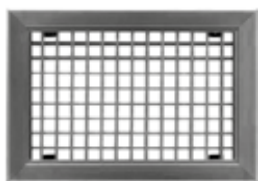
+ The maximum blower track length is 3 m; for longer lengths use a union to connect tracks together.

* Article available on order

WALL-MOUNTED ALUMINIUM DOUBLE DEFLECTION GRILLS WITH PLENUM BOX

Family 5 230

Wall-mounted grills are ideal for taking air in and blowing it out. They allow the air stream to be directed both in the horizontal and vertical plane to optimise the comfort of people in the pool room. They are made of anodised aluminium. The plenum box is made of galvanised steel.

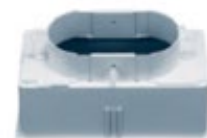


Code	Description	Min flow rate (m ³ /h)	Max flow rate (m ³ /h)	Price
9585100	Wall-mounted aluminium double deflection grill 300x150 mm and plenum box Ø200 mm	100	350	
9585110	Wall-mounted aluminium double deflection grill 600x200 mm and plenum box Ø315 mm	300	800	
9585120	Wall-mounted aluminium double deflection grill 600x400 mm and plenum box Ø400 mm	600	1500	
9585130	Wall-mounted aluminium double deflection grill 800x400 mm and plenum box Ø500 mm	1200	2100	

WALL-MOUNTED ABS DOUBLE DEFLECTION GRILLS WITH ABS PLENUM BOX

Family 5 230

Wall-mounted grills are ideal for taking air in and blowing it out. They allow the air stream to be directed both in the horizontal and vertical plane to optimise the comfort of people in the pool room. They are made of white ABS (RAL9010). Axial ABS plenum box.



Code	Description	Min flow rate (m ³ /h)	Max flow rate (m ³ /h)	Price
9585150	Wall-mounted ABS double deflection grill 300x150 mm and plenum box Ø160-200 mm	200	400	
9585160	Wall-mounted ABS double deflection grill 400x200 mm and plenum box Ø160-250 mm	400	500	
9585170	Wall-mounted ABS double deflection grill 600x200 mm and plenum box Ø160-250 mm	500	650	

INSTALLATION ACCESSORIES

Family 5 230

The support kit comprises :

- Two 25m rolls of perforated support band, width 17 mm
- Support brackets
- 40 bolts, M8x25 mm, to connect the perforated support band to the support bracket

The mastic/ adhesive tape kit comprises:

- Three 310 m cartridges of M1 acrylic mastic
- Two 50 m rolls of adhesive aluminium tape, width 50 mm.

Code	Description	Price
7669410	Self drilling screw 4.2 × 16 mm, box of 1000*	Box of 1000
9580005	Flexible, vibration damping sleeve, width 150 mm, 25 m*	
9580090	Mastic/ adhesive tape installation kit*	
9580095	Ducted/ suspended installation kit*	
9585400	Intake and exhaust connection kit for DE90 and DE110*	
9585410	Intake and exhaust connection kit for DE180*	

* Article available on order



A dehumidifier sizing study, drawn up based on a detailed diagram of the pool and the room to be dehumidified, must be carried out by the Design Office before ordering a console dehumidifier.

FAIRLAND CONSOLES

Family 5 220

Fairland dehumidifiers are designed to treat, and contribute to the heating of, the air above indoor pools.

Fairland dehumidifiers can also be used to treat the air in rooms prone to dampness (cellars, bathrooms, kitchens, etc.), gym halls and museums.

All the data listed below was certified by the TÜV, in accordance with the test protocol EN 810 :1997 that stipulates an air temperature of 30°C and a relative humidity of 70%.

Test reports for Fairland dehumidifiers issued by the TÜV Rheinland are available for download from our internet site.



Technical data:

- HP Booster technology, similar to Pioneer heat pumps,
- Refrigerant : R 410/A, which is superior to R 407/C with better performance data,
- Free-standing or wall mounted console,
- Hygro-thermostat enclosed, for self assembly,
- ABS casing, thermoformed,
- Pleasing design,
- Optional heater battery available, for assembly by the client,
- Runs silently.

Technical data			
Models	DH-60	DH-90**	DH-120**
Dehumidification capacity (litres/ 24 hours*)	60	93	120
Dehumidification capacity (litres/ hour*)	2.50	3.90	5.00
Dehumidification Efficiency Ratio (DER)	2.40	2.31	2.49
Heat generated (kW)	2.80	4.20	5.50
Air flow rate (m ³ /H)	800	1 000	1 200
Electrical heating battery (option) (kW)	2	3	3
Electrical power consumed (kW)	1	1.7	2
Nominal current absorbed (A)	4.58	7.83	9.15
Power supply (Volts/ Frequency)	230 V. / 50 HZ		
Operating temperature range (°C)	10 TO 38		
Acoustic power (dB(A))	61.50	62.80	62.80
Acoustic pressure at 5 meters (dB(A))	39.50	40.80	40.80
Dimensions (L x W x H) (mm)	855X242X 848	1155X280X848	1155X280X848
Net weight/ gross weight (Kg)	53/68	70/86	75/91

(*): According to the test protocol EN 810 :1997, that is Air temperature of 30°C and HR of 70%.

(**): Fairland DH-90 and DH-120 dehumidifiers have the same type of casing.

Code	Description	Price
9494000	Fairland DH-60 dehumidifier, 60 litres/24 hours	
9495000	Fairland DH-90 dehumidifier, 93 litres/24 hours	
9497000	Fairland DH-120 dehumidifier, 120 litres/24 hours	
Option		
9494050	2kW heating element, for Fairland DH-60 dehumidifier*	
9495050	3kW heating element, for Fairland DH-90 and DH-120 dehumidifier*	

* To be mounted by the installer

BWT - CONSOLE DEHUMIDIFIERS

Family 5220



Thanks to their pre-programmed functions, the 850-E and 950-E console dehumidifiers are highly adaptable and very easy to use:

- LED touch pad and digital display of the relative humidity (RH),
- Two pre-set fan speeds,
- Four pre-programmed relative humidity levels: 40, 50, 60 and 70%,
- Free standing or wall mounted.

Technical data		
Model	850-E	950-E
Power supply (volts)	230V / 50 HZ	230V / 50 HZ
Power input (watts)	850	950
Electric current requirement (amps)	4.5	6
Dehumidification capacity*	45 LITRES / 24 HOURS	60 LITRES / 24 HOURS
Air flow rate (m ³ /h)	500	680
Coolant	R 410 A	R 410 A
Operating temperature range (°C)	10 TO 32	10 TO 32
Dimensions (L x H x W) in mm	660X750X345	660X750X345
Weight (kg)	39	44

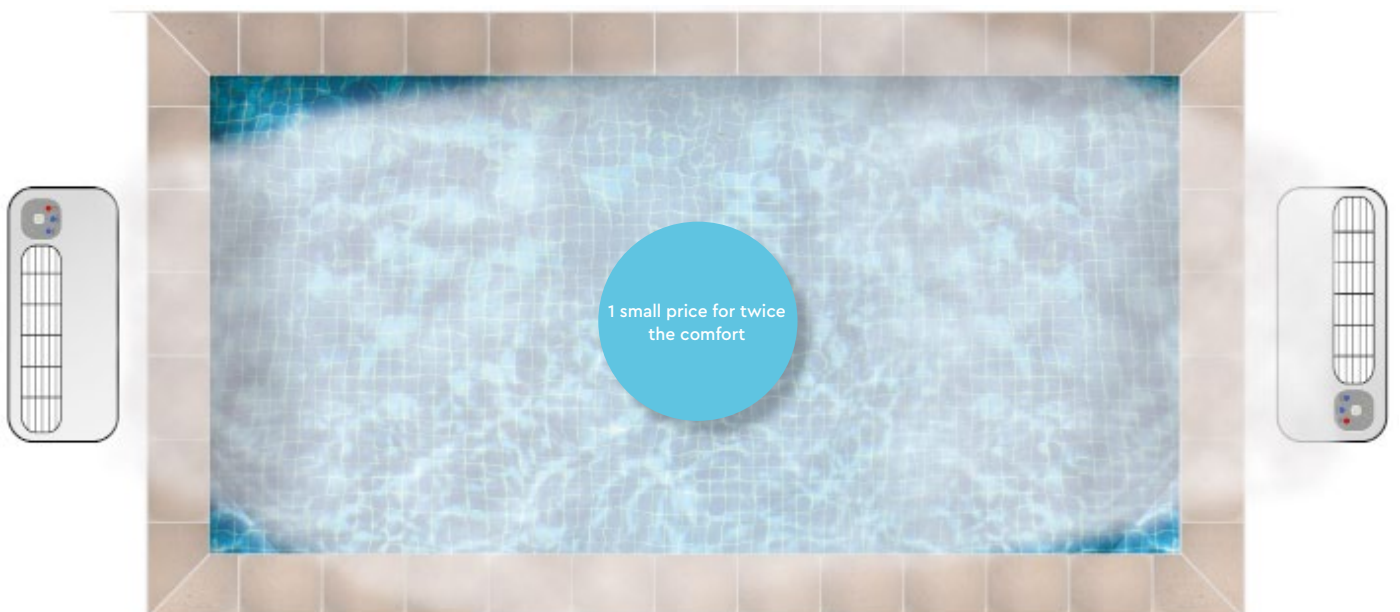
+ The performance data indicated is valid for an air temperature of 30°C and a RH of 70%.

Code	Description	Unit Price	Unit price for 2
9491000	850-E dehumidifier, set of 2, that is 90 litres/24h		
9493000	950-E dehumidifier, set of 2, that is 120 litres/24h		

The Bi-console solution

With the bi-console solution, Procopi allows you to retain all the flexibility of a console dehumidifier while avoiding the formation of an untreated "dead zone".

The combined price of 2 console dehumidifiers is still well below the cost of one machine of equivalent power, making this an attractive and economical solution



HEATING & DEHUMIDIFICATION



BWT WATER TREATMENT & MAINTENANCE

Complies with the following standards:

EN 60335-1 May 2013: Safety of household and similar electrical appliances General requirements

EN 55014-1 + A2 February 2012: Electromagnetic compatibility Part 1: Emission.

EN 55014-2 + A2 January 2009: Electromagnetic compatibility Part 2: Immunity.

Directive 2004/108/EC: the Electromagnetic Compatibility directive

10

Maintenance & cleaning

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The current situation

Pool maintenance is a genuine obstacle to end customers who see it as a real burden. Of the 41 % of French people who would like to have a pool but have not yet installed one, pool maintenance is a strong disincentive for 36% of them*.

The failure rate of pool robots is about 10 to 20%, this causes customer dissatisfaction and tarnishes the image of the pool professional who sold the robot.

Pool robots are sold through all possible distribution channels. Competition in this market sector is fierce and margins are shrinking to the point of non existence.

It is difficult to emphasise the installer's expertise during the sale of these devices that are increasingly purchased off the internet or in supermarkets.

Use of a pool robot can be burdensome (put the robot in the pool, clean it, take it out of the pool). Because of this, they are frequently left in the pool all the time which decreases the user's enjoyment.

* Survey TNS Sofres / FPP – Piscine & Spa trade show

The objectives

Customers are looking for:

- A reliable solution,
- A pool that is always clean and that requires no maintenance for weeks at a time.

You are looking for a solution that is:

- High end and stands out from the competition,
- Requires no after-sales service,
- Satisfies your customers,
- Allows you to achieve comfortable margins,
- Emphasises your status as a specialist,

The Solution: integrated cleaning

Integrated cleaning systems have been around for over 30 years. They are very popular in the southern United States (from Florida to California).

Highly efficient

Cleverly positioned nozzles are integrated into the pool structure while it is being built or renovated, these deliver powerful jets of water that push heavier debris towards the main drain and force lighter debris into suspension so that it can be aspirated by the skimmers or overflow feature.

A cleaning efficiency of 99 % is guaranteed without any intervention by the end user.



We conduct comprehensive studies for integrated cleaning systems including location of the jets and sizing of the pumps and the hydraulic circuit.

In addition to the obvious times savings for the end user and the assurance that the pool is clean all of the time, this type of system provides:

- Homogeneous mixing of hot and cold zones,
- Even dispersion of pool chemicals.

Serene sales that highlight your standing as a specialist Not available on internet sites or from supermarkets.

- Not available on internet sites or from supermarkets.
- Legitimises high-end positioning.
- Emphasises stand out expertise..

Sales turnover and margin in keeping with the expertise involved

The sales turnover achieved by the sale of an integrated cleaning system is 4 to 5 times higher than that achieved by an electric pool robot.

The margin achieved by the sale of an integrated cleaning system is 6 to 7 times higher than that achieved through the sale of an electric pool robot.

Customer satisfaction promotes customer loyalty

- The service life of the cleaning system is the same as that of the pool,;
- No after sales service.
- The nozzles have a life time guarantee,
- The pool is clean year round, 99 % efficiency, without any intervention by the user for less than 1 Euro per day.

A versatile range to suit all pool configurations

PCC 2000: designed for concrete pools; tiles, plaster or paint.

PV-3: designed for concrete pools; tiles, plaster or paint. The operating principle is based on the agitation of the pool water to force pollutants into suspension.

Vanquish: designed for liner pools and 1.5 mm reinforced membrane pools.

Swingjet: designed for polyester shell pools..

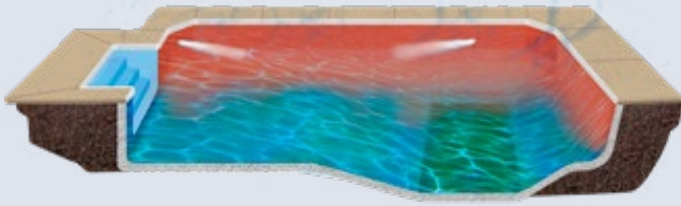
Procopi is your pool partner

- to carry out technical studies
- to assist with siting
- to select the right equipment
- to provide technical assistance at the installation site.



“ Standard filtration systems do not mix water homogeneously ”

“ The Vanquish system ensures homogeneous mixing of the pool water, thus increasing the efficiency of pool water treatments and eliminating the formation of cold spots. ”



VANQUISH - LINER POOLS

Family 3900

Advantages

- Improved diffusion of water treatment chemicals for optimal disinfection of every pool zone.
- The continuous downward circulation draws solar heated water to the base of the pool. This results in energy savings and speeds up heating of your pool.



Installation can be staggered

- First stage: laying pipework and sealing in Vanquish jet niches.
- Second stage: mounting additional parts (Vanquish jets) and installation of the distribution valve.

Code	Description	Price
Jets, main drains and leaf traps		
1	1033000 Rotating jet, white	
2	1037950 Fixed position wall mounted jet, without niche. White.	
3	1037100 MDX-R3 main drain and wall drain, with reduction fittings	
	1037000 Wall-mounted ADR leaf canister with reduction fittings (dim in mm)	
4	1037800 Dedicated jet assembly tool	
Distribution valves		
5	1028000 6-way distribution valve Ø 63 mm	
	1028600 9-way distribution valve Ø 63 mm*	2 sections
6	1345063 45° elbow, male/female, Ø 63 mm	
7	1343063 90° elbow, male/female, Ø 63 mm	
Pumps		
	549100 Eurostar II 200-M 50 Hz pump	
	51004100 Belstar 200-M 50 Hz pump	



	Beige	Light grey	Dark grey	Black	Price
1 Rotary jet, Vanquish*	1033005	1033008	1033007	1033009	

* Available on order

SWINGJET - POLYESTER POOL

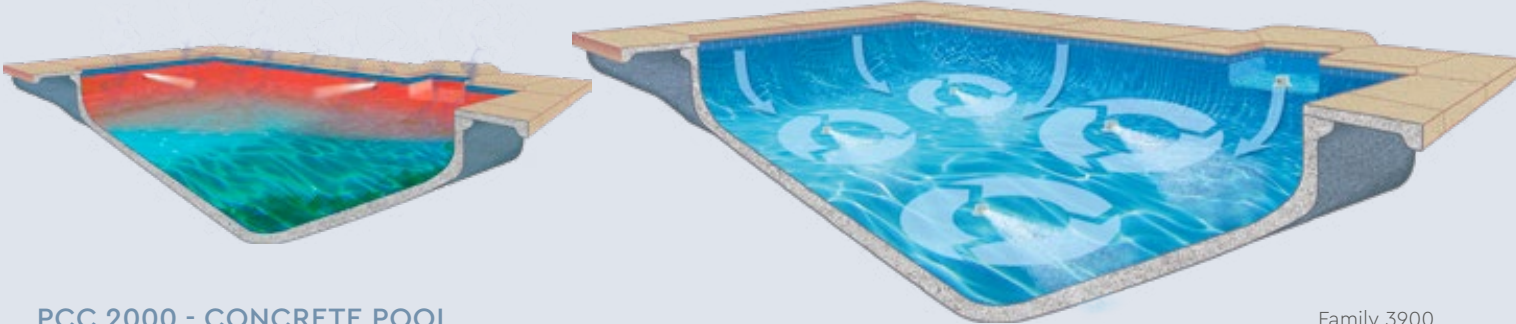
Family 3900

Code	Description	Price
8	1033100 SwingJet wall jets, to be screwed into the wall fitting of a polyester pool	
	1033200 Tool to dismantle SwingJet jets, for polyester pools	
	42400000 Return fitting, 2" and 50mm, solvent, with locking nut for polyester pools	



“ Standard filtration systems do not mix water homogeneously ”

“ The PCC2000 system ensures homogeneous mixing of the pool water, thus increasing the efficiency of pool water treatments and eliminating the formation of cold spots. ”



PCC 2000 - CONCRETE POOL

Family 3900



Staggered installation

- First stage: laying pipework and sealing in PCC 2000 jet niches.
- Second stage: mounting additional parts (PCC 2000 jets) and installation of the distribution valve

	Code	Description	Price
PCC 2000 for concrete pools			
1	1036600	Niche, without jet, for concrete pools - White	
2	1036900	Rotary jets, without niche, with a cleaning radius of up to 3m - White	
	1036800	Stationary jet, without niche - White	
	1037750	Stationary wall mounted jet without niche - White	
	1036500	Niche reduction bushings (1 per niche)	
Distribution valves			
3	1028000	6-way distribution valve Ø 63 mm	
	1028600	9-way distribution valve Ø 63 mm*	2 sections
4	1345063	45° elbow, male/female, Ø 63 mm	
5	1343063	90° elbow, male/female, Ø 63 mm	
Main drains and leaf traps			
6	1037200	Active main drain MDX-R3 and wall mounted suction fitting with reduction fittings	
7	1037450	Reusable protective cover for MDX main drain	
8	1037000	Wall-mounted ADR leaf canister with reduction fittings (dim in mm)	
	1028500	Cleaning agent and glue, for jets and distribution fittings	

* Item available on order

	Beige	Light grey	Dark grey	Black	Price
1 Niche, without jet*	1036695	1036698	1036697	1036699	
2 Rotating jet, without niche*	1036995	1036998	1036997	1036999	
Stationary jet, without niche*	1036805	1036808	1036807	1036809	

* Available on order



The PCC 2000 system features Automatic Debris Removal (ADR), it is unlike any other cleaning system. Leaves and other debris are directed to the MDX active main drain where they are drawn in and routed to the wall-mounted leaf canister installed underneath the coping.

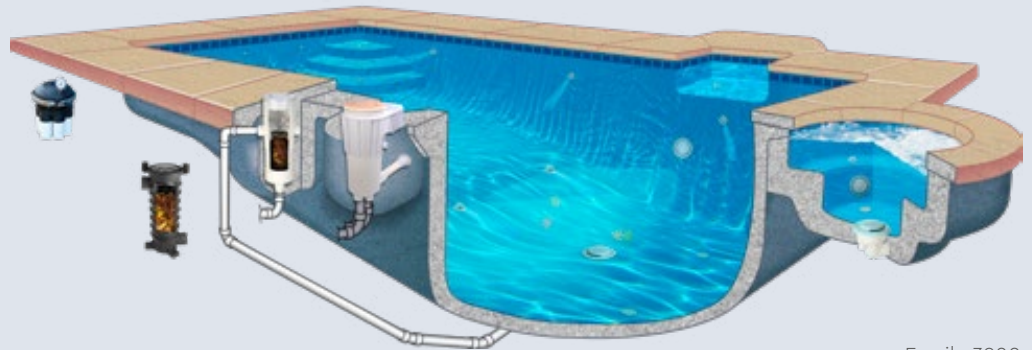
The convenient deck-side trap can be emptied in just a few seconds. The convenient deck-side trap can be emptied in just a few seconds.



PROCOPI TOP TIP

Customised siting studies and hydraulic studies are included in our offer.

“ PV3 improves circulation with cleaning jets strategically located in the pool floor, steps and the bench to evenly mix the swimming pool water. ”



PV3 - CONCRETE POOLS

Family 3900

Staggered installation

- First stage: laying pipework and sealing in PV3 jet niches.
- Second stage: mounting additional parts (PV3 jets) and installation of the distribution valve..



	Code	Description	Price
PV3 for concrete pools			
1	1038000	Niche, without jet, for concrete pools – White	
2	1038100	Rotary jet, without niche, with a cleaning radius of 0.6 to 1.8 m – comes with 3 heads	
3	1038200	Special jet key, in its niche	
Distribution valves			
4	1028000	6-way distribution valve Ø 63 mm	
	1028600	9-way distribution valve Ø 63 mm*	2 sections
5	1345063	45° elbow, male/female, Ø 63 mm	
6	1343063	90° elbow, male/female, Ø 63 mm	
Main drains and leaf traps			
7	1037200	Active main drain MDX-R3 and wall mounted suction fitting with reduction fittings	
8	1037450	Reusable protective cover for MDX main drain	
9	1037000	Wall-mounted ADR leaf canister with reduction fittings (dim in mm)	
	1028500	Cleaning agent and glue, for jets and distribution fittings	

* Available on order



		Beige	Light grey	Dark grey	Black	Price
1	Niche, without jet*	1038895	1038898	1038897	1038899	
2	Rotary jet, without niche	1038155	1038158	1038157	1038159	

* Available on order

Clean and almost invisible.



The PV3 system features Automatic Debris Removal (ADR), it is unlike any other cleaning system. Leaves and other debris are directed to the MDX active main drain where they are drawn in and routed to the wall-mounted leaf canister installed underneath the coping. The convenient deck-side trap can be emptied in just a few seconds. The MDX is an anti-vortex drain. It can be installed on a secondary suction line to protect it in the event that the pool's main drain becomes clogged (by-pass protection).

AUTOMATIC CLEANERS

VICTOR



- Plugs into a vacuum point or a skimmer,
- Installed in just a few minutes,
- Changes direction automatically.
- Changement de direction automatique.

POOL ROBOTS



- Wheels mounted on ball bearings, a clip allows for easy detachment,
- V shaped suction aperture, redesigned to allow Victor to travel easily across Safety Ledges,
- Adjustable suction aperture, allows Victor to adapt to the filtration pump flow rate.

TRIVAC 700



- Equipped with AquaDrive technology, TriVac™ 700 cleans the pool floor and the pool surface. Debris is drawn in by its 3 venturi jets,
- Choice of cleaning mode: floor or surface

Recommended pool length/ surface area m ²		
10 m / 50 m ²	12 m / 60 m ²	10 m / 50 m ²
Twelve 1 m lengths of hose	Twelve 1 m lengths of hose	9 m
Slaved to filtration	Slaved to filtration	Slaved to filtration
yes	yes	yes
Floor	Floor	Floor & surface
Notched wheels	Notched wheels	Notched wheels
Wall bracket (optional)	Wall bracket (optional)	-
-	-	AquaDrive
-	-	Extra wide bag with integrated float
-	-	-
5 years	5 years	2 years

JUNIOR



- Designed for simple shaped pools up to 12 m long (60 m²), JR cleans the pool floor efficiently and thoroughly.

SR



- The SR model features two cleaning cycles, 1.5 hours or 2 hours, to clean the pool floor, walls and the water line. This compact robot adapts to the most complex pool shapes up to 15 m long (80m²).

RC BLUETOOTH



- The RC Bluetooth model offers a choice of 3 cleaning cycles to clean the pool floor, walls and the water line. It adapts to complex pool shapes up to 15 m long (100 m²).
- A free app downloadable from the Applestore or PlayStore allows you to use your smart phone to override the program and direct the robot to areas that require particular attention.

Recommended pool length/ surface area m ²		
12 m / 60 m ²	15 m / 80 m ²	15 m / 100 m ²
16 m	Cable length 18 m	18 m
1.5 hours	Cleaning cycle 1.5 hours, 2 hours	1.5 hours, 2 hours, 2.5 hours
yes	Swivel union yes	yes
Floor	Cleaning type Floor / wall / water line	Floor / wall / water line
PVA brush	Brush type PVA brush	PVA brush
-	Storage accessory Trolley	Trolley
Gyro	Drive/ navigation system Gyro	Gyro
Top Access 3D cartridge	Filter Top Access 3D cartridge	Top Access 3D cartridge
-	Remote control -	yes
2 years	Duration of the guarantee 3 years	3 years



JR (Junior)



SR (Senior)



RC Bluetooth

There are 3 models in this range:

- **JR (Junior)** - cleans the pool floor only.
- **SR (Senior)** - cleans the pool floor, walls and the water line.
- **RC Bluetooth** - also cleans the pool floor, walls and the water line. By downloading a free app, available from the Appstore or PlayStore, you can use any SmartPhone to take control of the robot and direct it to areas requiring particular attention.

AquaSmart system

- Cutting edge AquaSmart software uses an algorithm to calculate the optimal route for the robot to clean the pool as quickly and efficiently as possible.
- Thanks to its clever design, it can map any pool, ensuring thorough and efficient cleaning and reducing wear by eliminating repetitive, unnecessary movement.



Gyro technology

- Gyro is an intelligent guidance system that ensures that the pool is cleaned meticulously during each cleaning cycle.
- The robot navigates around all types of obstacles without becoming tangled in its power cable.



Clean after one cycle

For all pool types

- All our robots are fitted with PVC wheels and brushes so they are compatible with all types of pool finish; tiles, liner, polyester shell, even shotcrete
- They ensure maximum grip on the pool walls, whatever the slope.



Adjustable jets

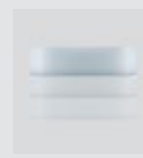
- The more precise the setting, the better the suction.
- The adjustable nozzles adapt suction to the type of debris to be picked up. In the case of pools close to a beach or a sandy environment, the nozzles can be lowered in order to vacuum up the tiniest grains of sand.



Easily adjusted suction nozzle



Retracted nozzle for light particles



Free nozzle. For heavy particles.

JR - JUNIOR

Family 3635



- Designed for simple shaped pools up to 12 m long (60m²), the Junior model cleans the pool floor efficiently and thoroughly.

Code	Description	Price
1006100	JR with 16 m cable	

Technical data:

- Duration of the cleaning cycle: 1.5 hours.
- Cleaning type: floor.
- Electrical cable length: 16 m
- Double set of cassettes fitted with cartridge filters – TOP ACCESS.
- Swivel union.
- Simple to use, easy to maintain.
- Guarantee: 2 years.



Top Access filtration cartridge

SR - SENIOR

Family 3635



The SR models features two cleaning cycles, 1.5 hours or 2 hours, to clean the pool floor, walls and the water line. This compact robot adapts to pools up to 15 m (80m²) with the most complex pool shapes.

Code	Description	Price
1006200	SR with transport trolley and 18m cable	

Technical data:

- Duration of the cleaning cycle: 1.5 hours or 2 hours.
- Cleaning type: floor, walls and water line.
- Electrical cable length: 18 m
- Double set of cassettes fitted with cartridge filters – TOP ACCESS.
- Swivel union.
- Simple to use, easy to maintain.
- Guarantee: 3 years.



Top Access filtration cartridge

Transport trolley included



RC - BLUETOOTH

Family 3635



- The RC-Bluetooth model features three cleaning cycles, 1.5 hours, 2 hours or 2.5 hours, to clean the pool floor, walls and the water line. It adapts to the most complex pool shapes up to 15 m long (100 m²). This compact robot adapts to the most complex pool shapes.
- It can be remote controlled from any type of Smartphone using an ap available for download free from the AppleStore or PlayStore.

Code	Description	Price
1006350	RC BlueTooth with transport trolley and 18 m cable	



Technical data:

- Duration of the cleaning cycle: 1.5 hours, 2 hours or 2.5 hours.
- Cleaning type: floor, walls and water line.
- Length of the electrical cable: 18 m.
- Double set of cassettes fitted with cartridge filters – TOP ACCESS.
- Swivel union.
- PVA foam brushes.
- Simple to use, easy to maintain,
- Guarantee: 3 years.



Ap to take control to your robot



Top Access filtration cartridge



Transport trolley included



AQUABOOST II BOOSTER PUMPS

Family 3550

Aquaboost II booster pumps were designed to run automatic robots and spas.

Their high operating pressure, 4 bar, make Aquaboost II booster pumps ideal for powering automatic cleaners. Twin-turbine versions of the Aquaboost II pumps are available for applications that require this type of model.

The quality of the materials and components used; fibreglass loaded polypropylene pump bodies, stainless steel wear rings, maintenance free mechanical seals, guarantee excellent performance levels and reliability worthy of the world-class reputation of the BADU range.



+ Compatible with saline water and sea water.



Technical data:

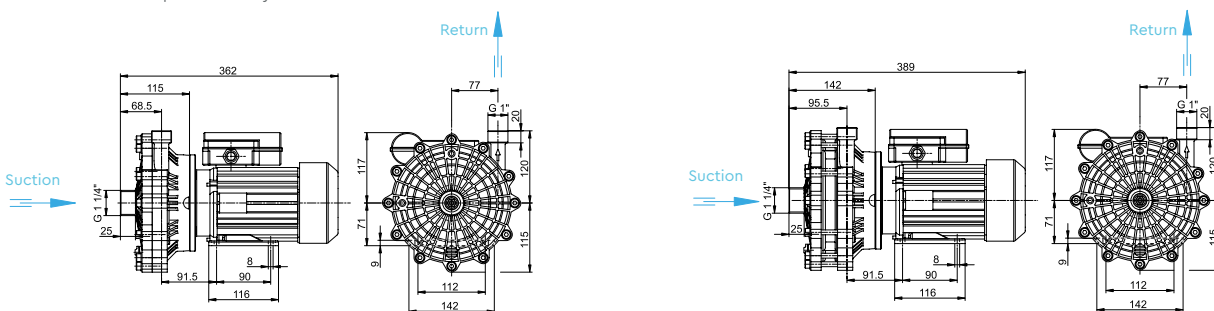
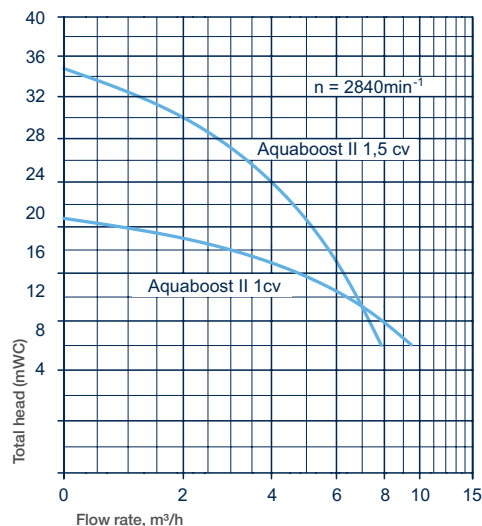
- Excellent corrosion resistance – thanks to the use of glass loaded polypropylene.
- Not self priming – the pump must be installed beneath the water level.
- Reliable, watertight seal – maintenance free mechanical seal.
- Safety – neither the pump motor nor the shaft come into contact with pool water.

Aquaboost II booster pump		1.0 HP	1.5 HP
Suction port, mm		1"1/4/40	1"1/4/40
Return port, mm		1"/32	1"/32
Power supply: 50Hz / 230Volts		230V	230V
Amperage (A)		5.3	6.6
Rotation speed (RPM)		2840	2840
Sound pressure level (dB (A))		≤ 70	≤ 70
Power, kW	P1 in kW*	1.2	1.5
	P2 in kW*	0.8	1.1
Length, mm		362	389
Weight, kg		10.6	11.2

* P1 indicates the total power consumed by the pump.

*** P2 indicates the power actually available at the motor shaft.

Performance curves



	Code	Description	Price
1	976200	Booster pump Aquaboost II 1 HP, 230 V 1ph (comes with unions)	
2	976100	Booster pump Aquaboost II 1.5 HP, 230 V 1ph (comes with unions)	

ELECTRICAL PANELS FOR AUTOMATIC CLEANERS

Family 1920



	Code	Description	Price
3	689261	Automatic cleaner electrical panel, X-Light 1ph 10 A	
4	670060	Automatic cleaner electrical panel	

VICTOR

Family 3680

Technical data:

- Plugs simply into a vacuum point or ski,
- The impeller fins are inserted at an angle and are not fixed, thus, as the impeller turns, the fins are drawn out by centrifugal force till they touch the walls of the shaft. This maximises the efficiency of the impeller and explains how Victor can operate with a low flow rate pump (5m³/h minimum),
- Can be installed in just a few minutes,
- Victor does not require any programming,
- Changes direction automatically,
- When fitted with its mini-skis, its efficiency is always optimised even when it encounters uneven surfaces,
- Victor runs in total silence,
- Victor is delivered in a single box, the connection hoses are included ten 1 m lengths.



Wheels suited to tiled pools are listed in the AquaService catalogue.

+ **Advantages**
 Wheels mounted on ball bearings, clips allow for easy detachment,
 V shaped suction zone, redesigned to allow Victor to travel easily across safety ledges,
 Adjustable suction aperture, allows Victor to adapt to the filtration pump flow rate,

Code	Description	Price
2 wheel Victor for pools up to 10 × 5 m		
1021000	Victor P (liner, polyester, paint)	
1021000	Victor P (liner, polyester, paint)	Set of 4, per unit

VICTOR 4X4

Family 3680

Technical data:

- Plugs simply into a vacuum point,
- The impeller fins are inserted at an angle and are not fixed, thus, as the impeller turns, the fins are drawn out by centrifugal force till they touch the walls of the shaft. This maximises the efficiency of the impeller and explains how Victor can operate with a low flow rate pump (5m³/h minimum),
- Can be installed in just a few minutes,
- Victor does not require any programming,
- Changes direction automatically,
- Victor is delivered in a single box, the connection hoses are included,
- Victor runs in total silence,
- Victor is delivered in a single box, the connection hoses are included,
- Twelve 1 m lengths, for the Victor 4x4,



Code	Description	Price
4x4 VICTOR, all pools		
1023000	Victor 4x4 P (liner, polyester, paint)	

Wheels suited to tiled pools are listed in the AquaService catalogue.

+ **Advantages**
 Wheels mounted on ball bearings,
 clips allow for easy detachment,
 V shaped zone, redesigned to allow Victor to travel easily across safety ledges,
 Adjustable suction aperture, allows Victor to adapt to the filtration pump flow rate.

OPTIONS AND ACCESSORIES FOR VICTOR

Family 3680



Code	Description	Price
Options and accessories		
1024050	Box of four, 1 m hoses	
1	1021100	Wall-mounted rack to hold Victor and its accessories
2	1021600	Leaf trap for suction mounted cleaners

EURO COM BOOSTER

Family 3550

Euro Com is a non-self priming, multi-stage centrifugal booster pump equipped with 3 or 4 impellers. These booster pumps are very powerful and run very silently, they can be used to power pressure-side pool cleaners.

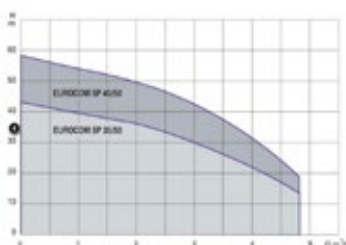
Euro Com booster pumps are also suited to water supply in domestic, gardening and irrigation applications.

Some types of pool robot require a booster pump to run. The booster pump pushes water back into the pool, propelling the automatic cleaner around the pool and providing optimal pool cleaning. The booster pump needs to be integrated into the filtration circuit. Euro Com booster pumps are very reliable. Multi-stage technology allows them to run very silently.

Technical data:

- Technopolymer pump body
- Pressure moulded aluminium motor base
- Mechanical seal casing made of stainless steel AISI 304
- Carbon/ceramic waterproofing
- Motor shaft made of stainless steel AISI 304
- Turbines, diffusers and diffuser bodies made of technopolymer
- Continuous duty asynchronous motor
- Dimensions 4M : Length 425 mm, width 170 mm, height 203 mm

- Motor protection rating: IP 44
- Terminal protection rating: IP 55
- Insulation class: F
- Operating range: 10 to 120 l/min, total head up to 72 m
- Inlet/ outlet ports: 1" tapped
- Integrated regulation to suit all robots
- Dimensions 3M: Length 406 mm, width 170 mm, height 198 mm
- Dimensions 4M: Length 425 mm, width 170 mm, height 203 mm



+ Compatible with saline water and sea water

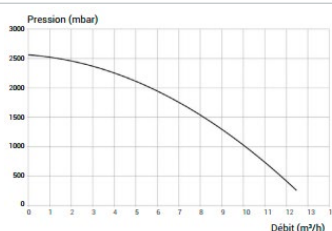
Code	Description	Price
978100	Euro Com 3M booster (3/4 HP, 230V 1-ph, 3 impellers)	
979100	Euro Com 4M booster (1 HP, 230V 1-ph, 4 impellers)	
979300	Euro Com 4T booster (1 HP, 400V 3-ph, 4 impellers)	

BOOSTER PUMP SP6050

Family 3550

Technical data:

- Adaptable : raccords unions fournis
- Silent
- Suitable for all types of booster robots



Code	Description	Price
979700	Booster Pump SP 6050 (1 HP 230 V 1ph) for Trivac 700 robot	

BLUEFLO LITE BOOSTER PUMP

Family 3550

Technical data:

- Multi-story design for maximum pressure.
- 50% more pressure compared to the previous generation of this pump, for optimum cleaning power.
- Runs silently, up to 8 dB quieter than the previous generation of auxiliary pumps.
- Compatible with salt water (0.4%)



Code	Description	Price
979800	Blueflo Lite booster pump, 0.75 kw	

ELECTRICAL PANEL

Family 3550

689261	Automatic cleaner electrical panel, X-Light 1ph 10 A	
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ROBOT TRIVAC 700

Family 3620

- Equipped with AquaDrive technology, TriVac™ 700 cleans the pool floor and the pool surface. It draws debris in with its 3 venturi jets
- Its reverse function allows it to turn around, to prevent it from becoming blocked
- The wide suction aperture minimises the risk of obstruction of the robot
- Extra-wide debris trap with integrated float: the robot can tow the debris filled sack without slowing down or sinking to the bottom,
- Choice of cleaning modes: floor or surface



Code	Description	Price
1002100	Robot Trivac 700	
1002150	Robot Trivac 700 + 1HP Booster Pump SP6050.	
1002170	Robot Trivac 700 + 1HP Booster Pump SP6050 + electrical panel	



Surface mode



Floor mode



Back-up function
AquaDrive technology allows the robot to back up and turn around. Propelled by powerful jets at the front, the robot backs up and turns continuously.

Floor mode
AquaDrive technology ensures optimal coverage of the pool floor. Low friction wheels minimise friction to prevent wear and tear of the membrane.



You choose TriVac™ 700 cleans.
Simply slide the button to select the cleaning mode: skimming or floor.



+ TriVac™ 700 runs with the Booster Pump SP6050.

ACCESSORY SET

Family 2950



The set contains 5 accessories:

- 1 wall bracket to store accessories,
- 1 thermometer,
- 1 wall brush 18 cm
- 1 combo rake,
- 1 triangular vacuum head.



Code	Description	Price
898500	Set of 5 accessories	
898500	Set of 5 accessories	Set of 4, per unit

WALL BRUSHES

Family 2950



1



2

- Hand-group opening system, patented design,
- Wheel bumper made of PE + TPR,
- 7 rows of brushes,
- Hinged arm with 3 positions (45°, 90° or 180° angle) to efficiently brush the pool floor, walls and corners
- Compatible with existing telescopic poles.



3 brush head positions



Protective wheel bumper and cleaning brushes



Multi-directional brush head



Swivel clasp

Code	Description	Price
	PVC wall brush -	
1	897500 Wall brush, 25 cm, ABS	
	897500 Wall brush, 25 cm, ABS	Set of 6, per unit
2	897600 Wall brush, 45 cm, ABS	
	897600 Wall brush, 45 cm, ABS	Set of 6, per unit

TELESCOPIC POLES

Family 2950



- Swivel clasp,
- Soft touch ergonomic hand grip.

Code	Description	Price
898200	Telescopic pole, 1.50 / 4.50 meters, 3 sections	
898200	Telescopic pole, 1.50 / 4.50 meters, 3 sections	Set of 6, per unit
898300	Telescopic pole, 1.80 / 3.60 meters, 2 sections	
898300	Telescopic pole, 1.80 / 3.60 meters, 2 sections	Set of 6, per unit
898400	Telescopic pole, 2.40 / 4.80 meters, 2 sections	
898400	Telescopic pole, 2.40 / 4.80 meters, 2 sections	Set of 6, per unit

2 IN 1 LEAF RAKE (SURFACE + POOL FLOOR) -

Family 2950



- Large surface de filet pour un nettoyage plus efficace,
- Patented opening system,
- Compatible with telescopic poles available on the market.
- No nuts or bolts required, eliminates the risks of corrosion,
- Interchangeable nets

Code	Description	Price
897400	2 in 1 rake (surface & pool floor)	
897400	2 in 1 rake (surface & pool floor)	Set of 6, per unit



Leaf rake with hand grip



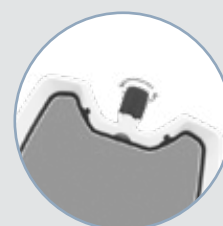
Net locking mechanism



Surface skimmer



Leaf rake



Swivel clasp

TRIANGULAR AND RECTANGULAR VACUUM HEADS

Family 2950

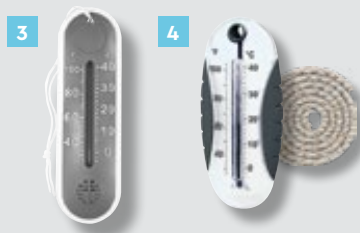
- Wide vacuum mouth, brushes are oriented for optimum cleaning,
- Patented, hand grip opening system,
- No nuts or bolts required, eliminates the risk of corrosion,
- Compatible with pool chemicals,
- Compatible with existing telescopic poles.



Code	Description	Price
Triangular vacuum head		
1 897100	Triangular vacuum head for above-ground pools	
897100	Triangular vacuum head for above-ground pools	Set of 6, per unit
Rectangular vacuum head		
2 897200	Rectangular vacuum head for in-ground and concrete pools	
897200	Rectangular vacuum head for in-ground and concrete pools	Set of 6, per unit

THERMOMETERS

Family 2950



- For steel wall in-ground or above-ground pools,
- Easy to read display,
- Wide glass screen to facilitate reading from a distance,
- Held in place with a cord (models 3 and 4).

Code	Description	Price
Magnetic thermometer 20 cm		
3 895600	Magnetic thermometer, 20 cm	
895600	Magnetic thermometer, 20 cm	Set of 24, per unit
Thermometer 18 cm		
4 898000	Thermometer 18 cm	
898000	Thermometer 18 cm	Set of 24, per unit

FLOATING HOSES Ø 38 MM - GREY

Family 2950



Code	Description	Price
865100	Rigiflex floating hose - 6 M, grey	
865600	Rigiflex floating hose - 9 M, grey	
866100	Rigiflex floating hose - 12 M, grey	

VENTURI LEAF RAKE

Family 2950



- For above-ground and in-ground pools,
- Patented design,
- Compatible with existing telescopic poles.



Float holds the net upright while gathering debris

Fitted with 4 wheels and 3 brushes

Multi-directional vacuum head

Swivel clasp

Code	Description	Price
897000	Venturi leaf rake	
897000	Venturi leaf rake	Set of 6, per unit

ROTATING CHLORINE DISPENSER

Family 2950



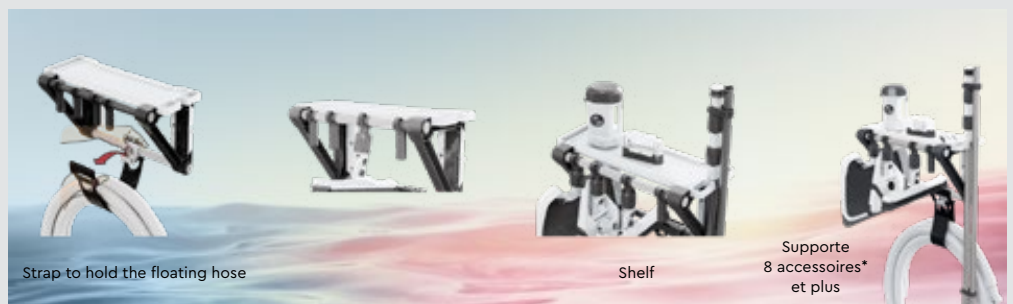
- Holds Chlorine blocks (5 × 200g),
- Patented design,
- Turns when empty,
- Tamper proof lid.



Code	Description	Price
897800	Rotating Chlorine dispenser	
897800	Rotating Chlorine dispenser	Set of 6, per unit

ACCESSORY RACK

Family 2950



*Accessories not included

- Designed for accessories belonging to this range,
- Holds the accessories and vacuum hose in a compact and organised manner.

Code	Description	Price
898100	Accessory rack	
898100	Accessory rack	Set of 4, per unit



	Code	Reference	Description	Unit price exVAT	Price as packaged
Pool stain eraser					
1	876300	-	Pool'Gom stain eraser, box of 5		
	876400	-	Pool'Gom, presentation stand with 36 boxes		
2	876500	-	Pool'Gom XL brush head		
	876550	-	Pool'Gom XL recharge		
Net'Skim					
3	48001003	NS-200-12	Net'Skim disposable, box of 12 socks		
4	48001004	NS-200-36	Net'Skim disposable, presentation stand with 36 boxes		
5	48001016	SV-200	Skim-Vac universal with lateral outlet		
Water lily					
6	48001005	-	Water Lily, box of 6		
7	48001006	-	Water Lily, presentation stand with 36 boxes		
Easy Pool'Gom					
8	876600	-	Easy Pool'Gom with hand grip	NEW	
9	876650	-	Easy Pool'Gom, refill	NEW	

The microfiber brush cleans the automatic cover slats easily and efficiently without any need for cleaning products that could damage the slats and negatively impact their mechanical properties.
The microfiber brush can be washed up to 10 times at 30°C.



Starter kit

To get up and running quickly at the start of the season, the start-up kit comprises: 1 Pool'Gom ultra, 2 Net'Skim and 2 Water Lily.

Code	Description	Price
876450	Start-up kit with 2 Net'Skim, 2 Water Lily and 1 Pool'Gom	



RIGIFLEX FLOATING HOSES, Ø 38 MM

Family 3000

Technical data:

- Superior quality hose, blue and black, with swivelling end-pieces,
- Increased rigidity to resist crushing caused by suction pressure,
- Increased flexibility to facilitate use.



➕ Designed to be mounted on a vacuum head

Code	Description	Price
865000	Non-kinking Ø38 floating hose, 6 m, 2 cuffs – 1 swivelling cuff	
865500	Non-kinking Ø38 floating hose, 9 m, 2 cuffs – 1 swivelling cuff	
1 866000	Non-kinking Ø38 floating hose, 12 m, 2 cuffs – 1 swivelling cuff	
866500	Non-kinking Ø38 floating hose, 15 m, 2 cuffs – 1 swivelling cuff	
867000	Non-kinking Ø38 floating hose, 25 m, 2 cuffs – 1 swivelling cuff	
867501	Ø38 vacuum hose cuff, white	
867503	Ø38 vacuum hose coupling	
2 868500	Ø 38 hose roller (max length 13.50 m)	
388006	LD hose, blue, D38 in 25m, per m	
Divisible floating hose		
3 867300	Divisible floating hose, D32, 23 sections 1.58 m long	36.34 m ring, per unit
867400	Divisible floating hose, D38, 23 sections 1.58 m long	36.34 m ring, per unit

LINER REPAIR KITS AND ACCESSORIES

Family 3000

Code	Reference	Description	Price
Liner repair kit			
4 877600	PK-250	Liner/cover repair kit (patch+glue)	
877600	PK-250	Liner/cover repair kit (patch+glue)	Set of 24, per unit
Accessories			
5 862502	CKS-10	Uni-Dapt spare clips (x3)	
862502	CKS-10	Uni-Dapt spare clips (x3)	Set of 12, per unit
6 877400	UHR-100	Uni-Dapt handle for vacuum head	
877400	UHR-100	Uni-Dapt handle for vacuum head	Set of 24, per unit

MAINTENANCE ACCESSORIES

MAINTENANCE KITS

Family 3000

MK-1000 luxe :

- 1 luxury vacuum head VL-480,
- 1 luxury leaf rake LR-600,
- 1 luxury wall brush WB-500,
- 1 Cl-pH test kit,
- 1 thermometer.



Code	Reference	Description	Price
863300	MK-1000	Luxury Maintenance Kit MK-1000	

TELESCOPIC POLES

Family 3000



Code	Reference	Description	Price
Blue anodised aluminium poles – 2 Sections			
871500	TP 815	Telescopic pole 2.4 × 4.8m / 2 sections	
871500	TP 815	Telescopic pole 2.4 × 4.8m / 2 sections	box of 20, per unit
871800	TP 360	Telescopic pole 1.0 × 2.0m / 2 sections	
872000	TP 510	Telescopic pole 1.5 × 3.0m / 2 sections	
872200	TP 612	Telescopic pole 1.8 × 3.6m / 2 sections	
Blue anodised aluminium poles – 3 Sections			
872400	TP 512	Telescopic pole 1.0 × 3.0m / 3 sections	
872500	TP 515	Telescopic pole 1.6 × 4.8m / 3 sections	
873000	TP 1086	Telescopic pole 2.4 × 6.4m / 3 sections	

WALL BRUSHES

Families 2100 & 3000



Code	Reference	Description	Unit price exVAT	Set of 24, unit price exVAT
PVC wall brush				
2	863600	AQ-500 45cm PVC wall brush		
Aluminium reinforced wall brush				
3	875400	WB-500 45cm aluminium reinforced wall brush		
Steel wire brush				
4	875700	AB-910 25cm luxury steel wire brush		
Waterline brushes				
5	876200	TS-200 Cleanette water line sponge		

VACUUM HEADS, LINER POOLS

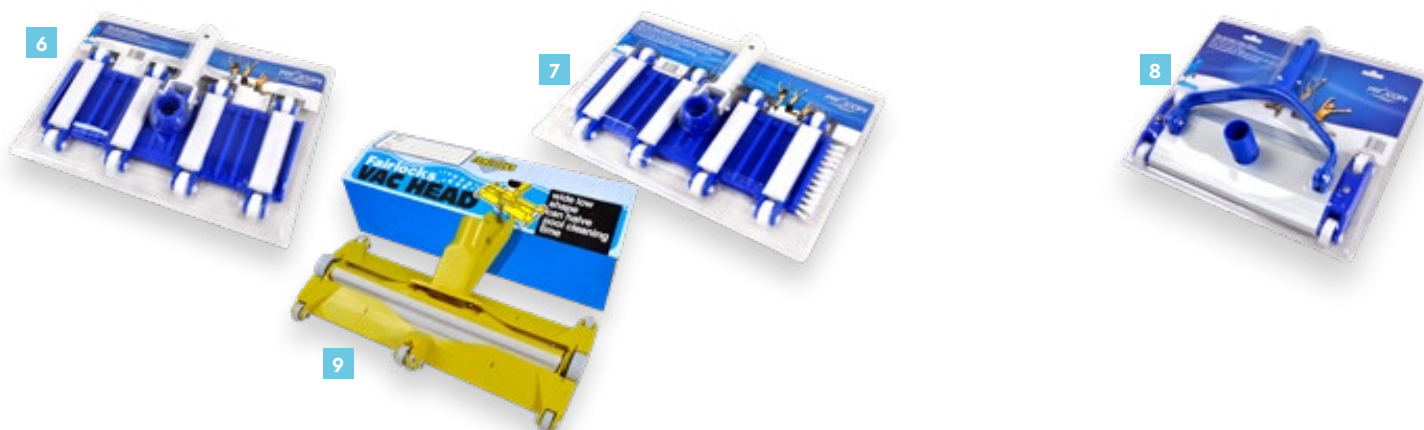
Family 3000



	Code	Reference	Description	Price
1	863200	TR-200	Weighted triangular Liner vacuum head	
	863200	TR-200	Weighted triangular Liner vacuum head	Set of 12, per unit
2	861400	VL-300	Adjustable flow Liner vacuum head	
	861400	VL-300	Adjustable flow Liner vacuum head	Set of 6, per unit
3	861500	VL-440	Luxury weighted Liner vacuum head	
	861500	VL-440	Luxury weighted Liner vacuum head	Set of 24, per unit
4	863000	VL-480	Luxury weighted Liner vacuum head with lateral brushes	
	863000	VL-480	Luxury weighted Liner vacuum head with lateral brushes	Set of 24, per unit
5	861700	VL-550	Luxury transparent triangular Liner vacuum head	
	861700	VL-550	Luxury transparent triangular Liner vacuum head	Set of 12, per unit

VACUUM HEADS, CONCRETE POOLS

Family 3000



	Code	Reference	Description	Price
Vacuum heads, concrete pools				
6	862500	FM-110	Luxury Concrete vacuum head	
	862500	FM-110	Luxury Concrete vacuum head	Set of 6, per unit
7	862600	FM-120	Luxury Concrete vacuum head with lateral brushes	
	862600	FM-120	Luxury Concrete vacuum head with lateral brushes	Set of 12, per unit
8	862100	-	Concrete metal vacuum head 35 cm	
Fairlock vacuum heads				
9	860000	FAIRLOCK	Liner/Concrete vacuum head (48 cm) with brushes and wheels	

MAINTENANCE ACCESSORIES

HAND SKIMMERS

Family 3000



Code	Reference	Description	Unit price exVAT	Set of 24, unit price exVAT
Hand skimmers				
1	874200	LS-310	PVC hand skimmer	
2	874400	LS-400	Luxury hand skimmer, aluminium frame	
Leaf rake				
3	863400	AQ-600	Leaf rake, PVC	
4	874800	LR-600	Luxury leaf rake, aluminium frame	
5	874700	LR-700	Luxury leaf rake, extra-large leaf bag	

HAND OPERATED VACUUM - FOR SPAS AND ABOVE-GROUND POOLS

Family 3000



Code	Description	Price
891100	Battery operated manual vacuum, for spas and above-ground pools	

THERMOMETERS

Family 3000



	Code	Description	Price
		Floating	
1	882800	Luxury thermometer: floating ring (flexible)	
2	882600	Floating thermometer: white ball	
3	883050	Floating thermometer: blue ball	
4	883100	Floating thermometer: boat	
		Non floating	
5	882500	Jumbo Jim C370 thermometer	
	882500	Jumbo Jim C370 thermometer	Set of 12, per unit
6	882900	Scoop thermometer	Set of 12, per unit

DISPENSERS

Family 3000

Code	Description	Price
892300	Retractable, floating chlorine dispenser	





BWT WATER TREATMENT & MAINTENANCE

Complies with the following standards:

NF EN 60335-1 May 2013: Safety of household devices. General requirements.

Directive 2014/35/EU: the Low Voltage directive.

NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.

NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity

Directive 2014/30/EC, the Electromagnetic compatibility directive

Pool technical directive DTP No. 15 : Electronic chlorination systems used to treat pool water.

11

Water treatment

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WATER TESTING for more challenging issues

Stubborn algae that reappear despite numerous treatments?

Black or brown stains on the membrane that won't go away even after intervention?

To help you resolve these specific pool water treatment problems, PROCOPi offers a water testing service carried out in a COFRAC accredited laboratory.

It's easy to do:

1. You order the test kit that you need (the test kits available are described in the following text),
2. You will receive the corresponding containers along with:
 - Instructions (sampling method, instructions on how to send samples);
 - A form;
 - A return slip.
3. You take a sample and send it directly to the laboratory, post paid.
4. You fill in the form and send it to PROCOPi so that we can carry out our diagnosis.
5. Within two weeks, you will receive a test report along with advice on how to treat the water.

ALGAE test kit: Nitrates and Phosphates

In swimming pools, most algae can be destroyed by super chlorinating or super brominating the pool water, or by a one-off treatment with Hydrogen Peroxide. However, in some pools, algae can reappear very soon afterwards, even though the pool is correctly disinfected and does not feature any "dead zones" that could account for this phenomenon.

In this case, it is very likely that a high concentration of nitrates or phosphates is promoting the growth of

algae. To diagnose this problem, order the Nitrates and Phosphates test kit.

METALS test kit: Copper, Manganese, Iron

The development of metal sulphide stains on liners and membranes is caused by the presence of particular bacteria under the membrane in conjunction with metal ions (iron, Copper, Manganese) in the pool water. These brown or black stains cannot be removed by super chlorinating the pool water. To diagnose this problem, measure the concentration of these three metals in your pool water using this dedicated test kit.

WELL WATER test kit

The standard NF EN 16713-3 (2016) concerning the treatment of water in private pools, states that water from any source other than the running water network must be tested for suitability before being used to fill a pool. This is the purpose of the Well Water test kit, it measures the following parameters:

- Calcium carbon equilibrium,
- Risks of corrosion and clogging,
- Organic pollutants.

Caution: this test does not establish the potability of well water in the sense set out in the decree dated the 11th of January 2007 concerning the testing of well water for suitability as a drinking source for one family.

Code	Description	Net Price exVAT
98700	Algae test kit: Nitrates and Phosphates	
98710	Metals test kit: Copper, Iron, Manganese	
98720	Well water test kit	

Water testing software



The Label Soft station is designed for professionals who want to offer their clients a comprehensive, real time, pool water testing service. The Label Soft test station comprises a PoolTest 9 photometer, a laptop installed with Procopi's Label Soft application and a printer.

The Label Soft test station allows you to:

- Manage a data base holding information about every one of your clients' pools (pool volume, water treatment system used, etc.).
- Manage and preserve a log of all the tests carried out and recommendations made for every client in the data base.
- Print out a complete test report, with a reminder of previous test results and comparison with standard values, concerning the following: Free and Total Chlorine, Bromine, Ozone, pH, Cyanuric acid, TH, TAC, Copper and Iron.

The Label Soft application also allows you to measure the Palintest and Langelier indices for the pool water

- Print out customised recommendations for each client, based on the results of the tests performed.

Updates to the Label Soft application are completely free of charge.

Have your pool water tested free of charge

Every Procopi agency offers a FREE water analysis service.

9 parameters, selected on a case by case basis according to requirements, are tested using a PoolTest 9 photometer.

The sample must be recent, representative (homogeneous pool), and stored in a clean, opaque container. Depending on the technician's availability, the results, along with any recommendations, will be provided immediately or sent to you within 48 hours.

Water test station

CODE 0807940



PoolTest 9 photometer



Laptop



Epson Colour printer

Code	Description	Net Price exVAT
807940	LabelSoft software + PoolTest 9 + Laptop + Printer	
807930	LabelSoft software + Laptop + printer	

Pooltest photometer calibration

PROCOPI offers an inspection and calibration service for Palintest PoolTest photometers (conditions available on procopi.com, or from your Procopi agency).

POOL TEST 3 AND 6		Net Price exVAT
98800	Inspection without calibration	
98850	Inspection with calibration	
POOL TEST 9 AND 25		Net Price exVAT
98900	Inspection without calibration	
98950	Inspection with calibration	

In order to facilitate the recognition and classification of water treatment products, labels have been colour coded as follows:



Following changes to regulations that entered into effect in 2015, the manner of labelling(1), storage(2) and transporting(3), were modified. This is why, although the product formulations have not been altered, some chlorinated products are now classified as combustible.

(1): CLP regulation: EC no. 1272/2008 dated 16/12/2008
 (2): The Seveso directive: directive no. 2012/18/EU dated 04/07/2012, that required modification of the ICPE nomenclature
 (3): modification of the decree TMD (Transports de Marchandises Dangereuses par voies terrestres du – transport of hazardous goods by rail – dated 01/07/2015) resulting from the ADR 2015 (European Agreement concerning the International Carriage of Dangerous by road).



In accordance with 2010 regulations, the boric acid content of Aqualent, Multi-action 4 and Aquabloc 500 is less than 5.5%.

NON-COMBUSTIVE PRODUCTS

- Aquachoc in 20 g pellets,
- Aquachoc 60 in granulates,
- Oxybrome choc (5 kg)
- Liquid Chlorine (10 and 20 litres)
- Duosoft
- Aquatop (35% Hydrogen Peroxide)
- Aquaflash

COMBUSTIVE PRODUCTS

- Aqualent 200/250 g tablets
- Aquabloc in 500 g (per unit, 5 and 10 Kg)
- Aquachlorit
- Puissance 4 (5, 10 and 25 Kg)
- Aquaclorit Stick (5kg)
- Bromilong (5 Kg)

SOME PRACTICAL ADVICE:

- Never store liquid products above solid products,
- Never store products that could react together chemically, for example pH Minus and liquid Chlorine, in the same place,
- Install holding tanks under storage zones used to hold liquid products,
- Ensure that the storage premises are well ventilated.

HOLDING TANK

Family 4700

	Code	Description	Price
1	9149093	Holding tank without duckboarding, 25 L	
2	9149095	Holding tank with duckboarding, 25 L	
	9149095	Holding tank with duckboarding, 25 L	Set of 2, per unit



PROCOPI TOP TIP

Procopi holds technician and expert training sessions, for more information regarding the dates and scheduling, go to procopi.com

POOL GRADE LIQUID CHLORINE 

Family 4400

Private pools

- Injected by a dosing pump
- Long lasting water disinfection
- Eliminates organic matter
- Does not increase the Chlorine stabiliser concentration

Commercial pools

- Injected by a dosing pump
- Long lasting water disinfection
- Eliminates organic matter
- Does not increase the Chlorine stabiliser concentration



Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
Liquid Chlorine 36°					
8815120	Liquid chlorine 36° private pools - 23kg	per unit		28	
Chlore liquide 48 ° (for commercial pools only)					
8816120	Liquid Chlorine 48° commercial pools	per unit		28	

PUISSANCE 4 TABLES - SLOW RELEASE CHLORINE

 QUALITY TESTED Approved by the French minister for health Family 4400

- Long lasting disinfection
- Eliminates organic matter
- Agglomerates pollutants in the water to facilitate retention by the filter
- Clarifies water
- Increases the concentration of Chlorine stabiliser



Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8842101	Puissance 4 - 20g pellets, 1 kg	6		-	
8840105	Puissance 4 - 5 kg	4		88	
8840110	Puissance 4 - 10 kg	2		48	
8840125	Puissance 4 - 25 kg	per unit		18	

AQUALENT TABLETS - SLOW RELEASE CHLORINE

 QUALITY TESTED Approved by the French minister for health Family 4400

- Long lasting water disinfection
- Eliminates organic matter
- Increases the concentration of Chlorine stabiliser



Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8804101	Aqualent 90 - 1 kg	6		-	
8804105	Aqualent 90 - 5 kg	4		88	
8804110	Aqualent 90 - 10 kg	2		48	
8804125	Aqualent 90 - 25 kg	per unit		18	

AQUABLOC SUPER TABLET - SLOW RELEASE CHLORINE 

 QUALITY TESTED Approved by the French minister for health Family 4400

- Long lasting disinfection
- Eliminates organic matter
- Increases the concentration of Chlorine stabiliser



Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
500 g tablets in a plastic container					
8806101	Aquabloc 500, plastic box	18		-	
500 g tablets					
8806105	Aquabloc 500 - 5 kg	4		88	
8806110	Aquabloc 500 - 10 kg	2		48	

AQUACHOCPELLETS - SHOCK CHLORINATION 

 QUALITY TESTED Approved by the French minister for health Family 4400

- Rapid disinfection through shock chlorination
- Eliminates organic matter
- Increases the concentration of Chlorine stabiliser
- 50 % active stabilised Chlorine



Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8802101	Aquachoc 20 - 1 kg	6		-	
8802105	Aquachoc 20 - 5 kg	4		88	
8802110	Aquachoc 20 - 10 kg	2		48	
8802125	Aquachoc 20 - 25 kg	per unit		18	

AQUACHOC GRANULES - SHOCK CHLORINATION 



Family 4400



- Fast disinfection by shock chlorination
 - Eliminates organic matter
- Increases the concentration of Chlorine stabiliser
 - 56 % active stabilised Chlorine

Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8808101	Aquachoc 60 – 1 kg	6		-	-
8808105	Aquachoc 60 – 5 kg	4		88	
8808110	Aquachoc 60 – 10 kg	2		48	
8808125	Aquachoc 60 – 25 kg	per unit		18	

AQUACLORIT 



Family 4400



Aquachlorit granules – Non stabilised shock chlorination

- Swift disinfection by shock chlorination
- Eliminates organic matter
- Increases the concentration of Chlorine stabiliser

Aquachlorit sticks – non stabilised slow release Cl

- Long lasting disinfection
- Eliminates organic matter
- Increases the concentration of Chlorine stabiliser

Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
Aquachlorit granulates					
8810105	Aquachlorit granulate – 5 kg	4		88	
8810110	Aquachlorit granulate – 10 kg	2		48	
8810125	Aquachlorit granulate – 25 kg	per unit		18	
Aquachlorit stick					
8810205	Aquachlorit stick, 300 g – 5.4 Kg	4		88	
8810225	Aquachlorit stick, 300 g – 25.2 Kg	per unit		18	

SHOCK OXYBROME & BROMILONG 

Family 4400




Oxybrome – Solid active Oxygen

- Reactivates the Bromine present in the pool
- Long lasting water disinfection
- Eliminates organic matter
- Does not use Chlorine

Bromilong

- Long lasting water disinfection
- Eliminates organic matter
- Recommended for pH between 7.6 and 8.0

 **CAUTION!** Bromine is not compatible with PVC fittings used in spas

Code	Description	Units per pallet	Sold as	Unit price
8820305	Oxybrome Choc (bromine activator) – 5 kg	88	4	
8820101	Bromilong – 1 kg	-	6	
8820105	Bromilong – 5 kg	88	4	

NEUTRAL- CHLORINE AND BROMINE NEUTRALISER 

Family 4400



- Reduces the concentration of Chlorine and Bromine
 - May be used to remedy overchlorination or overbromination
- Used to reduce the concentration of Chlorine or Bromine in backwash water or water drained from the pool.

Code	Description	Units per pallet	Sold as	Unit price
8848105	Chlorine/ Bromine neutraliser, Neutral, 5 L	128	Box of 4	

DUOSOFT - LIQUID ACTIVE OXYGEN WITH ALGAECIDE 

Family 4400

- A very efficient algaecide, when used with Hydrogen Peroxide, it enhances and prolongs its antialgaecide behaviour
- Clears up green water
- Rapidly eliminates algae by super chlorination
- Prevents the regrowth of algae
- Eliminates organic matter

Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8830122	Duosoft liquid 22 kg	per unit		28	

+ Active oxygen treatments are compatible with chlorine. You can switch from chlorine to active oxygen at any time. However, when Hydrogen Peroxide is added to chlorinated water it consumes the free Chlorine present and makes it impossible to measure the concentration of Chlorine using the DPD1 reagent (used in test strips and photometers).



AQUAFLASH - LIQUID ACTIVE OXYGEN WITH ACTIVATOR 

Family 4400

- Clears up green water
- Rapidly eliminates algae through super chlorination
- Eliminates organic matter
- Lowers the pH

Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8830305	Aquaflash - 5l	4		128	



AQUATOP - LIQUID ACTIVE OXYGEN 

Family 4400

- Clears up green water
- Rapidly eliminates algae through super chlorination
- Eliminates organic matter

Code	Description	Units per pallet	Sold as	Unit price
8830705	Aquatop, Hydrogen peroxide 35%, 5 litres	128	Box of 4	



DOSING JUG

Family 4400

Graduated jug to measure out liquid products; Aquachoc 60, pH Minus, pH plus, Oxybrome (Actibrome), Aquaclorit, Aquatac and Aquastab.

Code	Description	Sold as	Unit price
8890100	Dosing jug	Box of 6	



FLOCCULANTS 

Family 4400

Claritop liquid

- Ideal for clarifying pool water,
- Compatible with all types of water treatment,

Aquafloc – mineral, aluminium based flocculant

- Causes pollutants in the water to stick together to facilitate their removal
- Makes the water crystal clear

Aquafix – aluminium based flocculant

- Causes pollutants in the water to stick together to facilitate their retention by the filter
- Makes the water crystal clear

Aquaclean – mineral flocculant

- Causes pollutants in the water to stick together to facilitate their retention by the filter
- Makes the water crystal clear

Anti-phosphate

- Eliminates phosphates present in the water
- Prevents the growth of algae



	Code	Description	Units per pallet	Sold as	Unit price
1	8855000	Claritop liquid, 1 litre	286	Box of 6	
2	8855101	Aquafloc liquid 1 litre	480	Box of 6	
	8855124	Aquafloc liquid 24 kg	28	per unit	
3	8855301	Aquafix socks, 1 kg box	504	Box of 12	
	8855301	Aquafix socks, 1 kg box	504	Per 10 boxes (120)	
4	8855400	Aquaclean, ten 11 g pellets, per box	-	per unit	
	8855901	Liquid phosphate remover, 1 litre	-	Box of 6	

AQUALIGNE - ACID AND ALKALINE 

Family 4400



Aqualigne acid – acid-based water line cleaner

- Cleans limescale deposits off the water line

Aqualigne alkaline – alkaline water line cleaner

- Cleans the water line, removing greasy deposits

Code	Description	Sold as	Unit price
8880101	Aqualigne Acid (for hard water) – 1l	Box of 6	
8880301	Aqualigne Gel Alkaline (for soft water) – 1l	Box of 6	

AQUAFILTRE - DESCALER FOR FILTER SAND 

Family 4400



- Descaling and cleaning of the filter medium
- Improves filter retention capacity

Code	Description	Sold as	Unit price
8875305	Aquafiltre – 5l	Box of 4	

AQUATARTRE - DESCALER FOR POOL WALLS 

Family 4400



- Applied to pool walls after draining the pool
- Descals the pool walls

Code	Description	Sold as	Unit price
8875105	Aquatartre – 5l	Box of 4	

COVERNET - CLEANER FOR PVC COVER SLATS 

Family 4400

- Descals and cleans automatic cover slats

Code	Code	Description	Sold as	Unit price
8880505	8980505	Covernet, 5 litres	Box of 4	



PROTECT LINER - POWERFUL DISINFECTANT FOR POOL WALLS 

Family 4400

- Very powerful bacteriocidal agent to be applied to the pool wall before fitting the PVC membrane.

Code	Description	Sold as	Unit price
8885305	Protect Liner (ready to use) – 5l	Box of 4	



AQUACAL - LIMESCALE SEQUESTERING AGENT 

Family 4400

- Prevents the deposition of lime scale on the walls, pipes and the filter.

Code	Description	Sold as	Unit price
8875503	Aquacal 3l	Box of 4	



FERAFLOC 

Family 4400

- Removes metal ions present in the pool water
- Prevents the formation of stains caused by the presence of metal ions.

Code	Description	Sold as	Unit price
8885101	Ferafloc – 1l	Box of 6	
8885103	Ferafloc – 3l	Box of 4	



SPA STARTER KIT - CHLORINE 

Family 4400

To get up and running as soon as possible after installation, each spa comes with a starter kit. The starter kit comprises: 1 Anti-foaming agent, 1 Active Oxygen, 1 Aquaplus, 1 Aquaminus, 10 test strips, 1 measuring cup and an instruction booklet.

Code	Description	Price
31090204	Spa starter kit	



OXYSIPA - SOLID ACTIVE OXYGEN FOR SPAS AND ANTI-FOAMING AGENT 

Family 4400

Oxyspa

- Long lasting water disinfection
- Eliminates organic matter
- Does not use Chlorine

Spa anti-foaming agent

- Inhibits the formation of foam in the spa.

Code	Description	Units per pallet	Sold as	Unit price
8832101	Oxyspa, 20g pellets – 1 kg	576	Box of 6	
8832301	Spa antifoaming agent, 1l	480	Box of 6	



+ Algicides do not contain colouring agents.

AQUAPUR, PURAQUA AND PURATOP 

Family 4400



Aquapur – curative and preventive algaecide, does not contain Copper

- Prevents the growth of algae

Puraqua – curative and preventive algaecide, does not contain Copper, non foaming

Prevents the growth of algae and bacteria

Puratop – curative and preventive algaecide and flocculant

- Prevents the growth of algae
- Agglomerates dead algae
- improves their retention by the filter

Code	Description	Units per pallet	Sold as	Unit price
Aquapur				
8850101	Aquapur – 1l	480	Box of 6	
8850105	Aquapur – 5l	128	Box of 4	
Puraqua				
8850301	Puraqua super algicide-fungicide – 1l	480	Box of 6	
8850305	Puraqua super algicide-fungicide – 5l	128	Box of 4	
Puratop				
8850505	Puratop preventative algicide – 5l	128	Box of 4	

PURIVER - WINTERIZING ALGAECIDE, DOES NOT CONTAIN COPPER, NON-FOAMING 

Family 4410



- Prevents the growth of algae and bacteria
- Prevents the deposition of limescale
- Facilitates spring cleaning

Code	Description	Units per pallet	Sold as	Unit price
8870301	Puriver concentrate- 1l	480	Box of 6	
8870303	Puriver concentrate – 3l	160	Box of 4	
8870305	Puriver concentrate – 5l	128	Box of 4	
8870505	Puriver standard – 5l	128	Box of 4	

AQUAHIVER - WINTERIZING ALGAECIDE, DOES NOT CONTAIN COPPER 

Family 4410



Puriver – winterizing algaecide does not contain Copper, non foaming

- Prevents the growth of algae
- Prevents the deposition of limescale
- Facilitates spring cleaning

Puriver standard – winterizing algaecide does not contain Copper

- Prevents the growth of algae and bacteria
- Prevents the deposition of limescale
- Facilitates spring cleaning

Code	Description	Units per pallet	Sold as	Unit price
8870105	Aquahiver – 5l	128	Box of 4	

ALGAECIDE TARGETING YELLOW ALGAE 

Family 4400



- Algicide that destroys yellow algae,

Code	Description	Units per pallet	Sold as	Unit price
8850601	Algicide targeting yellow algae – 1l	480	box of 6	

AQUAMINUS AND AQUAPLUS 

Family 4400

Aquaminus solid – pH minus granules

- Lowers the pH of water

Aquaminus liquid – pH minus, liquid

- Lowers the pH of water
- Can be injected by a dosing pump

Aquaplus solid – pH plus powder

- Increases the pH of water

Aquaplus liquid – pH plus liquid

- Increases the pH of water
- Can be injected by a dosing pump



	Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
pH Minus						
1	8860102	Aquaminus granules – 2 kg	6		126	
	8860108	Aquaminus granules – 8 kg	4		88	
	8860125	Aquaminus granules – 25 kg*	1		18	
2	8860314	Aquaminus liquid – 12.5 kg	per unit		63	
	8860325	Aquaminus liquid – 25 kg	per unit		28	
pH Plus						
3	8860502	Aquaplus powder – 2 kg	6		126	
	8860505	Aquaplus powder – 5 kg	4		88	
4	8860725	Aquaplus liquid – 25Kg	per unit		28	

AQUATAC PLUS - RAISES THE TAC, POWDER 

Family 4400

- Increases the alkalinity of water
- Helps prevent corrosion
- Stabilises the pH

Code	Description	Units per pallet	Sold as	Unit price
8865105	Aquatac + – 5 kg	88	4	



AQUATAC MINUS - LOWERS THE TAC, LIQUID 

Family 4400

- Lowers the alkalinity of the pool water
- Helps prevent the deposition of limescale

Code	Description	Sold as	Unit price	Units per pallet	Unit price, per pallet
8860905	Aquatac – 33% Hydrochloric acid – 5 kg	4		128	
8860924	Aquatac – 33% Hydrochloric acid 24 kg	per unit		28	



TH PLUS - RAISES THE TH 

Family 4400

- Rapidly increase the TH
- Helps prevent corrosion

Code	Description	Units per pallet	Sold as	Unit price
8813105	TH Plus – 5 Kg	88	4	



AQUASTAB - CHLORINE STABILISER 

Family 4400

- Isocyanuric acid based chlorine stabiliser, protects chlorine against destruction by UV light,

Code	Description	Units per pallet	Sold as	Unit price
8845105	Aquastab – 5 kg	88	4	
8845125	Aquastab – 25 kg	18	per unit	



* article available on order in Belgium

The right thing for the environment



Being highly aware of the impact that chlorinated waste water can have on the environment, Procopi developed the backwash water dechlorinator.

The system can be installed quickly and easily on the waste line of any filter. During a back wash, or while draining the pool, waste chlorinated water is mixed with a neutralising agent (2) by a venturi system (1), the resulting dechlorinated water can then be released to waste.

This "neutralised water" can be stored and subsequently used to water the garden or wash the car.



	Code	Description	Union	Unit price
1	9120010	Venturi dechlorinator of backwash water	union Ø 50, solvent	
2	8848105	Chlorine neutraliser, Neutral, 5 L		

PROFESSIONAL PHOTOMETRIC & ELECTRONIC TEST KITS

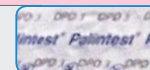
Family 2300



Fonction Bluetooth

	Code	Description	Net Price exVAT
Palintest photometers			
1	807800	Pool test 3 - Cl (free and total) - pH - cyanuric acid	
2	807850	Pool test 6 - Cl (free and total) - pH - cyanuric acid - Alk - Br - TH calcium	
3	807900	Pool test 9 - Cl (free and total) - pH - cyanuric acid - Alk - Br - TH calcium - Cu - Fe - Langelier	
4	807950	Pool test 25: see the description below •	
Reagents for photometers			
5	885450	DPD no. 1 tablets	Box of 250 tablets
	885850	DPD no. 3 tablets	Box of 250 tablets
	886000	DPD no. 4 tablets - Photometer	Box of 250 tablets
	886250	pH tablets	Box of 250 tablets
	886350	Stabiliser tablets - Photometer	Box of 50 tablets
	886450	Stabiliser tablets - Photometer	Box of 250 tablets
	886650	Calcium hardness tablets TH no. 1 and no. 2 - Photometer	Box of 2 x 250 tablets
	885510	Iron tablets - Photometer	Box of 50 tablets
	885620	Hydrogen Peroxide tablets - Photometer box of 250 tests	Box of 50 tablets
	885640	Chloridol tablets - measure salt concentration- Photometer box of 250 tests	Box of 250 tablets
	885730	Phosphate LR tablets - Photometer	Box of 250 tablets
	885635	Hydrogen Peroxyde tablets - Photometer	Box of 250 tablets
	885610	Copper tablets - Photometer	Box of 50 tablets
	885740	Nitrate tablets - Photometer	Box of 50 tablets
	886550	Alkalinity tablets - Photometer	Box of 250 tablets

+ NOTE: the tablets that should be used with Palintest photometers have black writing on them. These tablets are only suitable for DPD and pH colorimeters.



(*) With PoolTest 25 photometers you can carry out all the PoolTest 9 tests plus the following: PHMB, Salt, Sulphates, Chlorides, Aluminium, Nitrates, Ammonia, Phosphates, Manganese, Hydrogen Peroxide, monochloramines and dichloramines. The pooltest 25 test kits come with: 80 x DPD1, 80 x DPD3, 20 x DPD4, 60 x cyanuric acid, 80 x pH, 20 x copper (20 x No.1 and No.2), 60 x alkalinity, 40 x calcium hardness (No.1 and No.2). Tablets for other tests are available on request.

PROFESSIONAL TEST KITS

TURBIDITY METER

Family 2300



Code	Description	Price
889600	Palintest turbidity meter*	

PROFESSIONAL PHOTOMETRIC & ELECTRONIC TEST KITS

Family 2300



Code	Description	Price
Electronic testers		
1	889500 Electronic tester/ Redox	
2	889300 Salt concentration and TDS tester	
3	889400 pH testing	

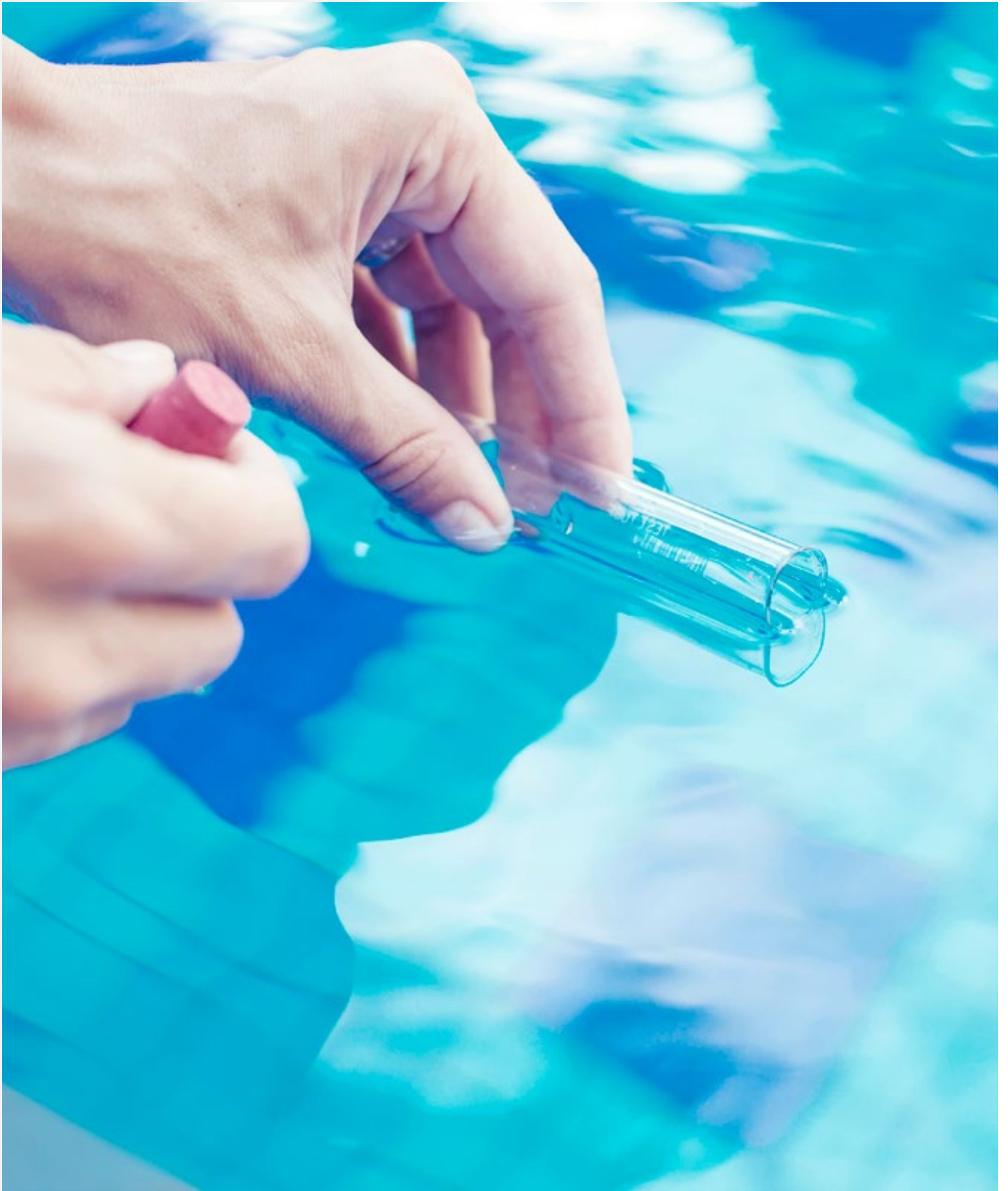
PROFESSIONAL COLORIMETRIC KITS

Family 2300

Code	Description	Price
807100	Palintest colorimetric test kit with 6 DPD tests (Free CL, Total Cl, pH, TAC, TH, stabiliser)	
885450	DPD no. 1 tablets	Box of 250 tablets
885850	DPD no. 3 tablets	Box of 250 tablets
886250	pH tablets	Box of 250 tablets
807225	TA tablets - Colorimeter	Bottle of 50 pellets
807230	TH calcium tablets - Colorimeter	Bottle of 50 pellets
807235	Stabiliser tablets - Colorimeter	Box of 50 tablets



(*) test strips no. 13 are for use with tester no. 5



PROFESSIONAL TEST KITS



The kits shown below are intended for use by the general public.
The readings provided by these devices will not have the precision of a professional device.

TEST KITS AND REFILLS

Family 4450



	Code	Descriptions	Parameters and quantities					Price
			pH	Free Chlorine	Bromine	Stabiliser (cyanuric acid)	TAC (alkalinity)	
1	889200	Duo Test Cl-pH test kit (Orthotoluidine)	✓	✓				
	889200	Duo Test Cl-pH test kit (Orthotoluidine)	✓	✓				
1	889201	Duo Test : flacons de recharge	✓	✓				
2	885200	Pooltest kit	20	20				
	885201	Pooltest kit : refill	30	20				
3	885250	Palintest pooltester chlorine	20	20			10	
3	885260	Palintest pooltester bromine	20	20	20		10	
	885251	Palintest pooltester chlorine or bromine: refill	20	20			10	
4	885000	Palintest cyanuric acid				50		
	885001	Palintest cyanuric acid: refill				50		



+ The kits shown below are intended for use by the general public.
The readings provided by these devices will not have the precision of a professional device.

AQUACHEK TEST STRIPS - ROUTINE TESTS

Family 4450



	Code	Descriptions	Parameters and quantities						Price
			pH	Free Chlorine	Total Chlorine	Bromine	Stabilisant (cyanuric acid)	TAC (alkalinity)	
1	888000	Aquachek 7-EN-1 × 50	✓	✓	✓	✓	✓	✓	
2	887700	Aquachek free Chlorine × 50	✓	✓			✓	✓	
	887700	Aquachek free Chlorine × 50 Set of 12, per unit							
3	887800	Aquachek Bromine × 50	✓				✓	✓	
	887800	Aquachek Bromine × 50 Set of 12, per unit							
4	888300	Trutest digital tester (chlorine/ bromine, pH, TAC)	✓	✓		✓			
5	888400	Trutest refill, 50 strips							
6	888050	Aquachek test & treat × 50		✓	✓				

AQUACHEK TEST STRIPS - SPECIFIC TESTS

Family 4450



	Code	Descriptions	Parameters & quantities	Price
7	887750	Aquachek ShockChek test kit, to determine the need for a Chlorine shock treatment (10 strips)	pH 10	
	887950	Aquachek test strips, phosphate (50 strips)	50	
8	887600	Aquachek salt test kit (10 strips)	10	
	887600	Aquachek salt test kit (10 strips)	Set of 12, per unit 10	
9	887550	Hydrogen Peroxide concentration (active Oxygen liquid), pH, TAC (alkalinity)	25	
10	888600	Monopersulphate concentration (active Oxygen solid), pH, TAC (alkalinity)	50	
11	887900	Concentration: PHMB, pH, TAC (alkalinity)	25	
	887900	Concentration: PHMB, pH, TAC (alkalinity)	Set of 12, per unit 25	

WATER TREATMENT

AUTOMATIC REGULATION

The advantages of EMEC automatic regulation
Proportionally adjusts the pump flow rate to the between the set point and the value measured in order to achieve gradual regulation and decrease the consumption of pool chemicals :

- Precise dosing, economical and comfortable,
- Adapts dosing to demand and pool use,
- Continuous treatment, even in the case of absence from the home.

Cleverly designed, high quality materials:

- Rotating wheel to facilitate programming,
- Electromagnetic or peristaltic,
- Digital read-out of the values measured,
- Can be mounted quickly on new or existing installations,
- Over-dosing and end of tank safety mechanisms.

OXY SYSTEM® EMEC-E

Family 4700



The Oxy System EMEC-E is used to automatically inject Hydrogen Peroxide (active Oxygen) and to regulate pH (the flow rate of the acid or base will be proportional to the value measured by the pH sensor).

The Hydrogen Peroxide (active Oxygen) dosage can be programmed to adjust to the water temperature and the pool volume. To optimise disinfection, use OXY SYSTEM EMEC-E with DUOSOFT, which combines active Oxygen and a bactericidal anti-algae.

- for pools up to 150 m³,
- electromagnetic dosing pumps for pH (3 bar – 5 l/h) and active Oxygen (3 bar – 4 l/h),
- temperature control (sensor provided),
- pump body and hydraulic components made of PVDF,
- reminder messages (clean the pre-filter, calibrate the sensors, maintenance).



Oxy System EMEC-E is not suitable for use in commercial pools!
 Oxy System EMEC-E is not recommended for use in pools fitted with D.E. filters.

Code	Description	Current (A)	Price
9147100	Oxy System EMEC-E, pH and active Oxygen	0.14	

REGUL SYSTEM® EMEC AMPEROMETRIC

Family 4700



The REGUL SYSTEM EMEC AMPEROMETRIC system directly measures the concentration of free Chlorine to achieve the precision required by the most demanding pools. It is particularly suited to pools with a water temperature higher than 30 °C. It allows adaptable and comprehensive regulation of the Chlorine and pH, thanks to:

- two calibration methods (fast or full);
- possible to connect to a flashing light or horn (dry contact);
- 7 alarms available, to immediately identify the least malfunction;
- programmable delay between injection (notably for small pools and spas),

- a communication module allows device data to be accessed from the internet (option)
 For the REGUL SYSTEM EMEC AMPEROMETRIC system to run properly, the water alkalinity (TAC) must be greater than 100mg/L (100 ppm), and ideally greater than 150 mg/l (150 ppm). It can be equipped with an Open or Closed cell. The choice will depend on the characteristics of the pool being fitted:

OPEN CELL:

- Cell with 2 electrodes (platinum/copper and beads),
- Electrode for fresh water (salt water version available on request - please inquire),
- No pH compensation,
- Temperature compensation,
- The presence of stabiliser has no influence on the measurement (maximum concentration up to 50 ppm),
- This cell is not recommended for use with pools that have a high bather load in which the concentration of chloramines (combined chlorine) is very high

Closed cell :

- Cell with 3 diaphragm/ electrolyte membranes,
- pH and temperature compensation,
- The presence of stabiliser has no influence on the measurement (up to 150 ppm),
- Much more stable reading,
- Less maintenance.

 **Commisioning included**

Code	Description	Price
Closed cell		
9141700	Regul System EMEC with closed chlorine cell - 10 l/h - pools 32 to 300m ³	
9141900	Regul System EMEC with closed Chlorine cell - 1 l/h* - pools < 32m ³	
Open cellclosed cell		
9141600	Regul System EMEC with open chlorine cell - 10 l/h* - pools 32 to 300m ³	
9141800	Regul System EMEC with open chlorine cell - 1 l/h* - pools < 32m ³	



NEW AMPEROMETRIC SENSOR WITH CLOSED CHLORINE CELL
 More practical, and even more hard wearing thanks to a tripod that protects the membrane against impacts. The electrolyte gel allows for easy maintenance, Improved performance data: better reactivity, less sensitive to pressure, compatible with sea water.



Only Regul System Amperometric with closed cell is suited to regulation for a spa.

+ Depending on the region where the pool is installed and/ or the quality of the electrical supply to the pool (end of the line), it may be necessary to protect the pool's electrical installation, namely the circuit boards and components integrated into the various devices. Our protection accessories are listed on page 109.

REGUL SYSTEM EMEC-P AND EMEC-E (TEMPERATURE < 30°C)

Family 4700

REGUL SYSTEM EMEC-P and EMEC-E are pH and Chlorine regulation systems: they analyse and simultaneously adjust the pH value and Redox potential. A digital display provides a read out of the pH and Redox values and reminder/ warning messages (clean the prefilter, calibrate the sensors, maintenance, etc.). A communication module allows the device data to be accessed from the internet (option, see below):

Regul System EMEC-E and EMEC-P are delivered premounted and prewired on a Bakelite board, with:

- an analysis chamber, with pre-filter and sensor housings (pH and Redox),
- pH and Redox sensors, and their calibration solutions,
- anti-siphon injection rods (delivered with 10 m of PVDF tubing and adaptor unions 1/8"x1/2").
- suction strainers (delivered with 5 m of tubing) and end of tank safety mechanism.



- REGUL SYSTEM EMEC-P is equipped with two PERISTALTIC pumps.

Code	Description	Current (A)	Price
9141000	Regul System EMEC-P complet	0.13	
For pools from 30 to 150 m ³			
9171100	Regul System EMEC-E, 5l/h + commissioning	0.14	
for spas			
9171150	Regul System EMEC-E, 1l/h + commissioning	0.14	

+ Regul System EMEC-E and EMEC-P is not suitable for spas or pools with a water temperature higher than 30°C



- REGUL SYSTEM EMEC-E is equipped with two ELECTROMAGNETIC pumps.

+ Commissioning included

DATA COMMUNICATION MODULES

Family 4700

- REGUL SYSTEM communication modules allow the transfer of data from the device to the ERMES application on the internet, from where it is accessible from a computer, tablet or smartphone.
- The GPRS module acts as GSM modem, and works with a SIM card and suitable subscription
- The LAN module must be connected to an ethernet network.

Code	Description	Price
GSM module		
9141180	GPRS communication module for REGUL SYSTEM	
9141190	LAN communication module for REGUL SYSTEM	



STORAGE AND HOLDING TANKS

Family 4700

Code	Description	Ø in mm	Height in mm	Price
Storage tanks for chemicals injected by dosing pumps				
1	9149013	50 litre storage tank	390	390
2	9149016	Set of cable glands for storage tanks		
Holding tanks for chemicals injected by dosing pumps				
3	9149008	Holding tank for 50 litre storage tank	440	530



+ For larger capacity tanks, please contact us. Storage tanks may be equipped with glands.

AUTOMATIC REGULATION

The advantages of MCD automatic regulation:

- proportional electromagnetic or peristaltic pumps,
- automatically measures and regulates the concentration of Chlorine (Redox) and pH,
- digital display of the Redox and pH value,

- decreases the consumption of water treatment chemicals,
- can control a salt electrolyser (Control System),
- mounted quickly on a new or existing installation,
- overdose safety mechanism,



MCD regulation is not compatible with commercial pools.



Depending on the region where the pool is installed and/ or the quality of the electrical supply to the pool (end of the line), it may be necessary to protect the pool's electrical installation, namely the circuit boards and components integrated into the various devices. Our protection accessories are listed from page 109.

REGUL SYSTEM® MCD-P (TEMPERATURE < 30°C)

Family 4750

pH/Redox measuring and dosing system equipped with proportional peristaltic dosing pumps.

The Regul System MCD-P is an automated pH and Chlorine measuring and dosing system intended for private pools up to 120 m³. The Regul System MCD-P comes ready to work, premounted on a thermoformed ABS board.

It comprises:

- 1 proportional peristaltic dosing pump, flow rate 3 l/h for chlorine regulation. The pump features a system to automatically measure and regulate the Redox value with a digital read out of the various values.
- 1 proportional peristaltic dosing pump, flow rate 1.5 l/h for pH regulation. The pump features a system to automatically measure and regulate the pH value with a digital read out of the various values.
- 2 analysis chambers, one of which is fitted with a pre-filter, the other with sensor housings (pH and Redox),
- Buffer solutions to calibrate the sensors,
- Anti-siphon injection rods (delivered with 10 m of tubing and adaptor unions 1/8"x1/2"),
- Suction strainers (delivered with a 5 m hose),
- Overdosing alarms.



Regul System MCD-P is not suitable for spas or pools with a water temperature higher than 30°C.

Code	Description	Price
9147300	Regul System MCD-P, with 2 proportional peristaltic pumps	

REGUL SYSTEM® MCD-E (TEMPERATURE < 30°)

Family 4750

pH/Redox measuring and dosing system equipped with proportional electromagnetic dosing pumps.

The Regul System MCD-E is an automated pH and Chlorine measuring and dosing system intended for private pools up to 220 m³. The Regul System MCD-E comes premounted on a thermoformed ABS board.

It comprises:

- 1 proportional electromagnetic dosing pump, flow rate 10 l/h for chlorine regulation. The pump features a system to automatically measure and regulate the Redox value with a digital read out of the various values.
- 1 proportional electromagnetic dosing pump, flow rate 5 l/h for pH regulation. The pump features a system to automatically measure and regulate the pH value with a digital read out of the various values.
- 2 analysis chambers, one of which is fitted with a pre-filter, and sensor housings (pH and Redox),
- Buffer solutions to calibrate the sensors,
- Anti-siphon injection rods (delivered with 10 m of tubing and adaptor unions 1/8"x1/2"),
- Suction strainers (delivered with a 5 m hose),
- Overdosing alarms.

OPTION

- End of tank sensor



Regul System MCD-E is not suitable for spas or pools with a water temperature higher than 30°C.

Code	Description	Price
9147600	Regul System MCD-E, with 2 proportional electromagnetic pumps	
	option	
9147610	End of tank sensor for Regul System MCD-E	

■ Our electromagnetic dosing pumps are proportional, this allows for gradual regulation. In the case of pH regulation, this system prevents decarbonisation and preserves the water's natural equilibrium (buffer effect). This significantly reduces the amount of water treatment chemicals required.

+ Depending on the region where the pool is installed and/ or the quality of the electrical supply to the pool (end of the line), it may be necessary to protect the pool's electrical installation, namely the circuit boards and components integrated into the various devices. Our protection accessories are listed from page 109.

PH AND REDOX - PERISTALTIC REGULATION

Family 4750



Self-priming proportional peristaltic pumps. Real time digital display of the pH and Redox value. Overdose or end of tank alarm. Independent wall bracket.

Code	Description	Price
9167000	Proportional peristaltic pH regulation. Flow rate: 1.5 l/h at 10 bar	
9166000	Proportional peristaltic Redox regulation. Flow rate: 3 l/h at 10 bar	

PH AND REDOX - ELECTROMAGNETIC

Family 4750



Proportional electromagnetic pumps, type EMEC 220. Real time display of the pH and the Redox value by means of a series of LEDs. Buffer tank low level sensor. Alarm in the event that dosing time is overshoot.

Code	Description	Price
9162100	Proportional electromagnetic regulation pH minus 220. Flow rate: 2 l/h at 2 bar	
9162200	Proportional electromagnetic regulation pH plus 220. Flow rate: 2 l/h at 2 bar	
9163105	Redox regulation. Flow rate: 2 l/h at 2 bar	



Proportional electromagnetic pumps. Real time digital display of the pH or Redox values. Buffer tank low level sensor. Dosing time overshoot alarm. pH minus regulation can be converted to pH plus regulation and vice versa.

Code	Description	Price
9162000	Proportional electromagnetic regulation. Flow rate: 10l/h at 10 bar	
9163000	Redox regulation. Flow rate : 10l/h at 10 bar	

ACTIVE OXYGEN - ELECTROMAGNETIC REGULATION

Family 4750



Proportional electromagnetic dosing pump for active Oxygen. Oxydose regulates the dose according to the water temperature and the pool volume. Treatment cycles may be programmed (day, time) as a function of pool use. Disinfection with active oxygen is not suitable for commercial pools, nor may it be used to treat pools equipped with D.E. filters.

Code	Description	Price
9164000	Oxydose regulation with active oxygen: Flow rate: 2 l/h at 1 bar	

DOSING PUMPS - ELECTROMAGNETIC

Family 4750



Dosing pumps are equipped with a pulse frequency controller and a water level detector.

Code	Description	Price
9161500	Electromagnetic dosing pump for Chlorine or pH. Flow rate: 10l/h at 10 bar	
9136000	Electromagnetic dosing pump for flocculant. Flow rate 3L/24h	

ACCESSORIES

Family 4750



Code	Description	Price
Analysis chamber		
9149110	Analysis chamber with pH and Redox sensor housings up to 2012 - EMEC	
9149130	Analysis chamber for Regul Sytem MCD	
9147350	Analysis chamber for Regul Sytem MCD	
Prefilter for analysis chamber up to 2012 - EMEC		
9149120	Prefilter for analysis chamber up to 2012 - EMEC	
9149127	Analysis chamber prefilter cartridge, reusable	
Saddle clamp		
1353550	Saddle clamp Ø 50 / 1/2"	
1353563	Saddle clamp Ø 63 / 1/2"	

2

3

4

4

4

SALT WATER ELECTROLYSERS

+ Depending on the region where the pool is installed and/ or the quality of the electrical supply to the pool (end of the line), it may be necessary to protect the pool's electrical installation, namely the circuit boards and components integrated into the various devices. Our protection accessories are listed from p. 109.

EES Family 4610



* Subject to terms and conditions

Technical data

- Production rate of 14.20 g Chlorine/hour for the treatment of pools up to 80 m³ and production rate of 26 g Chlorine/hour for pools up to 150 m³,
- Operates with a salt concentration between 3 and 3.5 g salt per litre,
- 6 programmes: 12 hours (default setting), 24, 36, 48, 60 or 72 hours,
- Transparent cell with Ø 63 mm connections, ensuring a significant reduction of load loss,
- Data displayed on an LCD touch control screen.
- Display of the salt concentration in the pool,
- Display of the Chlorine production rate,
- Production of Chlorine slaved to water temperature: 50% at 15°C and 25% at 10°C,
- Production of Chlorine slaved to the filtration rate controller,
- May be slaved to the position of the automatic cover,
- The cell may be installed so that it lies horizontally or vertically,
- Switches to safety mode if the salt concentration rises too high (>10 g/litre),
- Self-cleaning electrodes, by polarity inversion,
- Transparent cell body to allow visual inspection of the electrodes,
- Back lit screen,
- Suction line strainer with pH Clear.

Option



- pH Clear: pH Clear comprises a dosing pump that automatically injects a small volume of acid into the electrolyser cell every time the filtration pump stops.
- The acid assists with descaling of the electrodes, complementing the polarity inversion process.
- pH Clear also helps correct the pH through manual intervention,
- pH Clear helps optimise production of Chlorine and extends the service life of the electrodes.

Guarantees

■ The EES electrolyses and the cell are guaranteed 3 years. The guarantee on the cell is extended to 5 years if the EES electrolyser is installed with the pH Clear option (*).

	Code	Description	Current (A)	Price
1	9105100	EES electrolyser, control panel and cell for pools up to 80 m ³	0.6	
1	9105300	EES electrolyser, control panel and cell for pools up to 150 m ³	1.2	
Cells				
	9105101	EES PSC-5 SCCI2 chlorinator cell ->80 m ³		Electrodes of all brands are listed in the Aquaservice catalogue
	9105301	EES PSC-5 SCC25 chlorinator cell ->150 m ³		Electrodes of all brands are listed in the Aquaservice catalogue
pH Clear option				
2	9105900	Option pH Clear for EES electrolyser		
	9105800	EES -> EES PRO pH/Rx retrofit kit		
3	9105850	EES -> EES PRO pH retrofit kit		

+ EES electrolyses purchased prior to 2014 cannot be upgraded to the EES PRO (pH Redox) version, only salt water electrolyses with a serial number above 20016002 can be upgraded to EES PRO.

Operating recommendations:

It is a well established fact that the Redox potential (oxidation reduction potential) has a significant impact on waterproofing membranes' ability to hold their colour over time. The Redox potential will vary depending on the type of Chlorine used (stabilised and unstabilised), the pH value and the Isocyanuric Acid concentration. To protect the pigments in the waterproofing membrane, the Redox potential should not be allowed to rise above 750 mV for a sustained period of time. Salt electrolyses produce unstabilised Chlorine, this induces a higher Redox potential than would be the case if stabilised Chlorine were used (Chlorine tablets or pellets). To prevent the electrolyser from generating too much Chlorine and a Redox potential above 750 mV, we highly recommend installation of an EES PRO that features pH and Redox potential regulation. (See opposite)

SALT PELLETS

Family 4640

+ Pool grade salt complies with the EN 16-401 standard

Code	Description	Price
9109000	Pool grade salt pellets	25 Kg bag
9109100	Pallet of pool grade salt pellets	pallet of 1,000 Kg

+ Depending on the region where the pool is installed and/ or the quality of the electrical supply to the pool (end of the line), it may be necessary to protect the pool's electrical installation, namely the circuit boards and components integrated into the various devices. Our protection accessories are listed from p. 109.

EES PRO

Family 4610

+ EES PRO is a next generation salt electrolyser, equipped with a Redox sensor to control production of Chlorine and a sensor to regulate the pH.

Technical data specific to EES Pro

EES PRO shares the same technical data as standard EES electrolyzers, and in addition:

- Automatic regulation of the pH and Redox potential,
- Proportional regulation of the pH and oxidation reduction potential,
- Adjustable pH and Redox potential set points,
- Easy calibration of the pH sensor,
- pH Clear included,
- Back-lit screen,
- Suction strainer with pH Clear



Guarantees

The EES PRO electrolyser is guaranteed 3 years, the cell itself is covered by a 5 year guarantee.



	Code	Description		Price
1	9107100	EES PRO electrolyser, for pools up to 80 m ³	0.6	
1	9107300	EES PRO electrolyser, for pools up to 150 m ³	1.2	
Cells				
	9105101	EES PSC-5 SCCI2 chlorinator cell for pools up to 80 m ³		listed in the Aquaservice catalogue
	9105301	EES PSC-5 SCC25 chlorinator cell for pools up to 150 m ³		listed in the Aquaservice catalogue

+ The EES salt electrolyser cannot measure the Redox potential in the pool. For this reason, we do not recommend that you install them on pools fitted with liners or 1.50 mm reinforced membranes. For these types of pools, we recommend an EES PRO electrolyser.

+ **Did you know?** Procopi runs expert and technician training sessions, schedules and dates are available on procopi.com

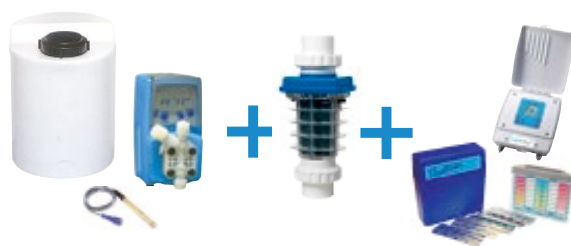
AQUA CONTROL

Family 4610

Aqua Control is a comprehensive and efficient water treatment system. It associates a salt water electrolysis system (EES) with an automatic pH regulation system and a proportional dosing pump (pH 220).

Aqua Control comprises:

- 1 EES electrolyser,
- 1 electromagnetic pH regulation,
- 2 saddle clamps Ø 50 × 1/2" for Aqua Control PSC-5 SCCI2 and 2 saddle clamps Ø 63 × 1/2" for Aqua Control PSC-5 SCC25
- 1 storage tank, 50 l
- 1 test kit, Chlorine, pH and alkalinity



Code	Description	Price
9105000	Aqua Control PSC-5 SCCI2 up to 60 m ³	
9105200	Aqua Control PSC-5 SCC25 up to 120 m ³	
885250	Visual test kit Cl - pH - Alk, DPD	

REDOX REGULATION KIT FOR ELECTROLYSERS

Family 4700

Code	Description	Price
9108400	Redox regulation kit for electrolyzers	

- Circuit board with CPU and automatic power supply compensation.



U.V. TREATMENT

■ Type C ultra violet irradiation has long been used as a method of sterilisation in many domains: production of drinking water, aquaculture, fish farming, the pharmaceutical industry, hospitals, etc. It poses no health threat, and has been approved as a method for treating the water in public baths and water for human consumption. Water leaving the filter passes into the UV reactor: bacteria, viruses and alga are destroyed. Bio-UV comprises a fully automated UV reactor associated with a dosing pump that injects a chlorine free

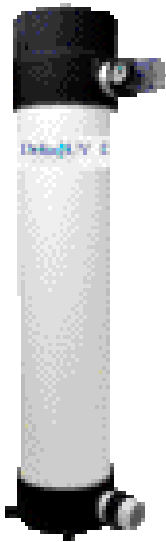
residual disinfectant into the pool water as a function of the water temperature. The system is easy to install and simple to maintain.

The advantages:

- An ecological chlorine free, salt free automated system that does not create a corrosive environment, that does not smell and that is reliable and easy to install.

+ U.V. treatment is not compatible with D.E. filters. Switching the device on and off frequently impacts the service life of the bulb. We recommend installation of an RTemp electrical panel, and in all cases, that you limit filtration cycles to one per day.

UV Family 4680



UV sterilisers, steriliser only:

- The UV range of PVC reactors are guaranteed 2 years,
- The reactors, or irradiation chambers, are fitted with 2 high intensity, cutting edge UV-C lamps,

Code	Description	Electrical protection (A)	Price
UV sterilisers, PVC			
9113200	E-15 PVC UV steriliser, max flow rate 13 m ³ /h	2	
9113300	E-20 PVC UV steriliser, max flow rate 18 m ³ /h	2	
9113500	E-40 PVC UV steriliser, max flow rate 23 m ³ /h	2	

UV sterilisers, PVC, pack:

- Packs comprise a steriliser, an Oxydose pump and two saddle clamps (diameters indicated below).

Code	Description	Price
UV steriliser pack		
9196100	UV E-15 – max flow rate 13 m ³ /h Oxydose pack	
9196200	UV E-25 – max flow rate 18 m ³ /h Oxydose pack	
9196300	UV E-40 – max flow rate 23 m ³ /h Oxydose pack	

+ Durée de vie moyenne de la lampe : 13.000 heures (non garantie). Garantie de 2 ans sur le réacteur.

BIO U.V. Family 4680

Bio U.V. sterilisers:

- The Bio U.V. reactors are made of 316-L stainless steel. They are guaranteed 5 years,
- The reactors are fitted with 2 high intensity, cutting edge UV-C lamps,
- Individual pilot lights indicate the lamp status (on or off).

Code	Description	Flow m ³ /h	U.V. lamp	Inlet / Outlet in mm	Reactor height	Ø Reactor	Electrical protection (A)	Price
Bio U.V. stainless steel steriliser								
9112100	Steriliser Bio UV 170	17	2 × 55W / 13 000 h	50	67	15	2	
9112300	Steriliser Bio UV 250	25	2 × 55W / 13 000 h	63	68	20	2	
9112500	Steriliser Bio UV 340	34	2 × 87W / 13 000 h	75	93	20	2	



U.V. sterilisers – pack and pack plus:

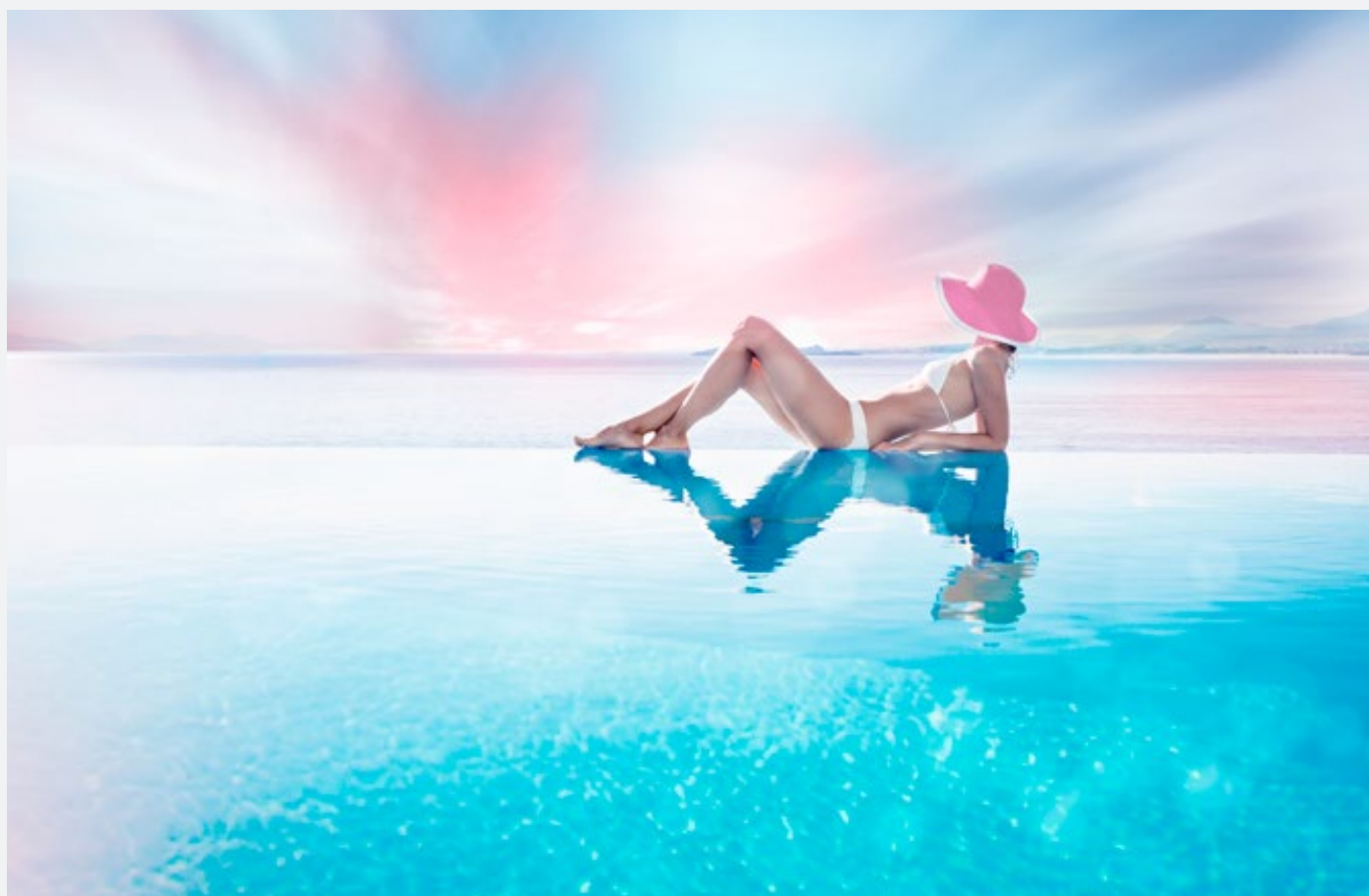
- Packs comprise a steriliser, an Oxydose pump and two saddle clamps (diameters are provided below),
- Pack Plus comprises an Oxydose pump, a pH minus 220 dosing pump and four saddle clamps (diameters are indicated below).

Code	Description	Inlet / Outlet in mm	Price
Bio U.V. Stainless steel steriliser pack			
9195100	Bio UV 170 – max flow rate 17 m ³ /h Pack, Oxydose	50	
9195200	Bio UV 250 – max flow rate 25 m ³ /h Pack Oxydose	63	
9195300	Bio UV 340 – max flow rate 34 m ³ /h Pack Oxydose	75	
Bio U.V. Stainless steel steriliser pack Plus			
9195500	Bio UV 170 – max flow rate 17 m ³ /h Pack Plus, Oxydose + Ph 220	50	
9195600	Bio UV 250 – max flow rate 25 m ³ /h Pack Plus, Oxydose + Ph 220	63	
9195700	Bio UV 340 – max flow rate 34 m ³ /h Pack Plus, Oxydose + Ph 220	63	

+ Average bulb service life: 13,000 hours (not guaranteed). The steriliser is covered by a 5 year guarantee.



Code	Description	Maximum volume treated		Price
		Bromine	Chlorine	
Brominators and Chlorinators				
1	9122100 Chlorinator/ Brominator 4Kg – Off line	-	150 m ³	
2	9122200 Chlorinator/ Brominator 4Kg – On line	-	150 m ³	
3	9122300 Chlorinator/ Brominator Perform-Max, 3.5 kg	100 m ³	190 m ³	
4	9122400 Chlorinateur / Brominateur RB-3315, 6.75 kg	70 m ³	125 m ³	
5	9122500 Chlorinateur / Brominateur RB-3330, 13.5 kg	140 m ³	240 m ³	



BWT WELLNESS

Complies with the following standards:

Directive 2014/35/EU the Low Voltage directive

Directive 2014/30/EU the Electromagnetic Compatibility directive

Directive 2011/65/EU: the ROHS 2 directive, Reduction of Hazardous Substances in electrical and electronic devices

EN 60335-1 May 2013 – Household devices and similar General requirements

EN 60335-2-60 +A1+A2+A11+A12 July 2010 : Household devices – regulations specific to spas

EN 55014-1 + A2 February 2012: Electromagnetic Compatibility Part 1: Emission

EN 55014-2 July 2015: Electromagnetic Compatibility Part 2: Immunity)..

12

Spas, saunas & steam rooms

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MADE IN FRANCE 

BWT spas represent the power of Research and Development by a leading French company. It is also peace of mind from knowing that these spas are made on Breton soil, in northern France, an area known for its skilled labour and conscientious work ethic.

...wherever you want

Indoors, or in your garden, in-ground or free standing, spas can be configured to suit any configuration. The superb, grey composite surround on the free-standing model ensures seamless integration, indoors or outdoors. The low lines of the in-ground version ensures that it blends beautifully into your home.

CONTROL PANEL

Simply, at the touch of a button, you control a release of bubbles to complement your state of mind and your needs in that moment.



A GENTLE WATERFALL

The soft sound of running water, you relax and free your mind. Travel far, to the shores of a mountain lake or tropical waterfall. You are at peace.



Chromatherapy

Ten different colours are available to create a unique atmosphere and enjoy the benefits of chromatherapy.



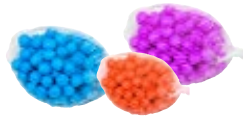
AN OCEAN OF BUBBLES

Massage pumps generate thousands of bubbles that rise to the surface providing a powerful massage or voluptuous sensations, whatever you need.



AROMATHERAPY

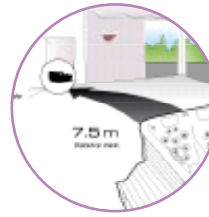
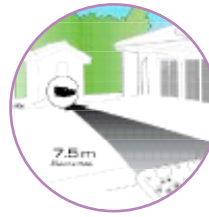
The power of the olfactory sense.



REMOTE INSTALLED SPA PACK

Listen to the silence...

Remote installed spa packs (Procopi exclusive), allow the spa packs to be installed at up to 7.5 m from the in-ground or above ground spa



ISOTHERMAL COVER

The isothermal safety cover keeps the water clean and warm.



SPA SHELL & SURROUND

Marbled white, composite grey surround



BWT spas – ST-6.51

INSULATION

Antibacterial felt insulation 6 mm thick, provides the very best in insulation.



BWT SPAS - ST 2.18 



ST 2.18, the indoor spa





- The BWT ST 2.18 spa is the perfect choice to transform any indoor space into a haven of well-being, ease and respite. Two form fitted loungers oriented face to face ensure unforgettable moments of relaxation and awakened sensation.
- The ST 2.18 spa is only 66 cm high so you can easily step in and out, even without a step. Furthermore, its low lines make it easy to manoeuvre through narrow interior doors.
- This spa is only 66 cm high so you can easily step in and out, even without a step. Furthermore, its low lines make it easy to manoeuvre through narrow interior doors.

Weight/ Dimensions

- Empty weight: 230 kg
- Weight with water: 720 kg
- Water volume: 490 litres
- Spa dimensions (overall)
- Portable: 198 (L) x 141 (W) x 66 (H)
- In-ground: 198 (L) x 141 (W) x 66 (H)
- Step dimensions (overall)
- 106 (L) x 55 (W) x 42 (H)
- Spa dimensions are quoted in cm.


Hydromassage

18 Hydromassage jets

-  3 Rotating jets 95mm
-  7 Directional jets 95mm
-  8 Directional jets 70mm
-  4 Directional jets 70mm

(with foot jet option)

Air massage jets

 12 Jets (with Blower option)

BWT SPAS - ST 3.17 



Good things come in small parcels





- With its small footprint, a BWT ST 3.17 spa slips easily into any surroundings.
- Small in size but large in spirit, the BWT ST 3.17 spa features two bucket seats and one lounger seat where 17 massage jets and 10 air jets (blower version) provide an effective, soothing and stress relieving massage.
- Small in size but large in spirit, the BWT ST 3.17 spa features two bucket seats and one lounger seat where 17 massage jets and 10 air jets (blower version) provide an effective, soothing and stress relieving massage.

Weight/ Dimensions

- Empty weight: 250 kg
- Weight with water: 1 000 kg
- Water volume: 750 litres
- Spa dimensions (overall)
- Portable: 213 (L) x 168 (W) x 80 (H)
- In-ground: 213 (L) x 168 (W) x 80 (H)
- Step dimensions (overall)
- 106 (L) x 55 (W) x 42 (H)
- Spa dimensions are quoted in cm.


Hydromassage

17 hydromassage jets

-  5 Rotating jets 95mm
-  7 Directional jets 95mm
-  5 Directional jets 70mm
-  2 Directional jets 70mm

(with foot jet option)

Air massage jets

 10 Jets (with Blower option)

BWT SPAS - ST 4.31 



Well-being guaranteed




- The BWT ST 4.31 spa design is sure to procure unforgettable moments of well-being and relaxation. Able to accommodate up to 4 people, the BWT ST 4.31 spa features 31 massage jets and 16 air massage jets (blower version) providing an optimum massage for each user.
- The lines of the BWT ST 4.31 spa follow the contours of your body, and the loungers are arranged to face each other, convivial relaxation is inevitable.

Weight/ Dimensions

- Empty weight: 300 kg
- Weight with water: 1300 kg
- Water volume: 1000 litres
- Spa dimensions (overall)
- Portable: 200 (L) x 200 (W) x 80 (H)
- In-ground: 200 (L) x 200 (W) x 80 (H)
- Step dimensions (overall)
- 122 (L) x 55 (W) x 42 (H)
- Spa dimensions are quoted in cm.


Hydromassage

31 Hydromassage jets

-  5 Dual-rotating jets 95mm
-  5 Rotating jets 95mm
-  6 Directional jets 95mm
-  15 Directional jets 70mm
-  4 Directional jets 70mm

(with foot jet option)

Air massage jets

-  16 Jets (with Blower option)

BWT SPAS - ST-6.51 










Weight/ Dimensions

- Empty weight: 300 kg
- Weight with water: 1900 kg
- Water volume: 1600 litres
- Spa dimensions (overall)
- Portable: 205 (L) x 205 (W) x 102 (H)
- In-ground:

Hydromassage

51 Hydromassage jets

-  1 multijet 5"
-  7 Dual rotating jets 3"
-  15 Directional jets 3"
-  4 Rotating jets, 2"
-  2 Dual rotating jets 5"
-  8 Directional jets 3"1/2
-  14 Directional jets, 2"

SPAS - STANDARD EQUIPMENT

SPA SHELL COLOURS

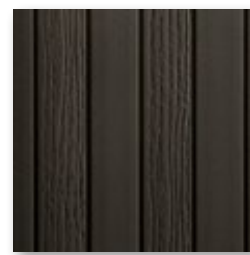


Marbled white

COMPOSITE SURROUND



Grey – BWT spas
ST 2.18, ST 3.17, ST 4.31



Brown
BWT – ST-6.51 spa

STAINLESS STEEL JETS ST 2.18 - ST 3.17 - ST 4.31

Directional jet 70 mm



Directional jet 95 mm



Rotating jet 95 mm



Dual rotating jet 95 mm



STAINLESS STEEL JETS - ST-6.51



1 multijet 5"



7 Dual rotating
jets 3"



15 directional
jets 3"



4 Rotating
jets, 2"



2 Dual rotating
jets 5"



8 directional jets,
3.5"



14 directional jets, 2"

SPA PACKS AND STEPS



For 2, 3 and 4 massage position spas
for the ST-6.51: pump is under the spa
(no interdependent spa pack)



For the 2, 3 and 4 massage station spas
The BWT ST-6.51 spa has a different step.

CONTROL PAD

Control pad BP 601



For the 2, 3 and 4 massage station spas
The BWT ST-6.51 spa: TP400 model

ISOTHERMAL COVER



Isothermal and safety cover.

The isothermal safety cover significantly reduces evaporation, an important factor in cooling, and so helps maintain the water temperature at the set point. The spa water is always at the right temperature, ready to be used.

The covers are fitted with a locking mechanism to secure access to the spa.



FOOT JETS

In each lounge seat, 2 massage jets provide the soles of your feet with a powerful massage.



SPA INSULATION

The A.F. (antibacterial felt) spa insulation constitutes a huge breakthrough in terms of insulation. It comprises an aluminium (thermos effect) lined anti-bacterial felt, 6 mm thick, that is attached to the spa structure and the spa pack mounting plate with velcro (applies to the 2, 3 and 4 massage position spas). The insulation of the 6 massage position spa is a sheet of layer of air (bubbles) coated on both sides with aluminium. No velcro system.

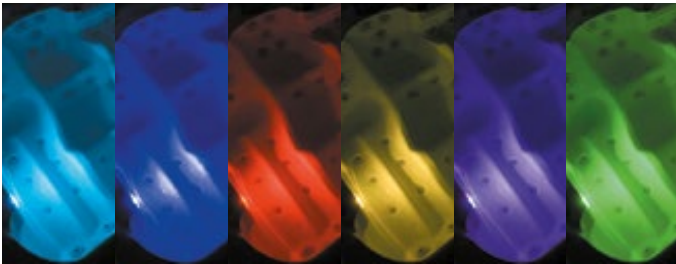


This system provides effective sound-proofing and thermal insulation that can be quickly and easily removed to gain access to the pipework.

CHROMATHERAPY

Every part of the body responds and reacts to specific wavelengths of light. Colour can therefore be thought of as an agent that acts on the body. Choose from a range of 6 fixed colours or colour sequences (fast change, slow change, random change) to create the perfect environment for relaxation.

Available for all spas



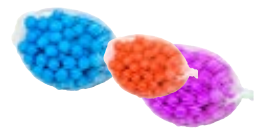
THE EVOCATIVE POWER OF OUR OLFACTORY SENSE

Available only for the 2, 3 and 4 massage position spas.

Discover the virtues of aromatherapy.

Relaxing, invigorating, refreshing, bewitching, choose a fragrance to evoke a mood and enjoy the dramatic impact on your mind and body. The blower propels air through the air jets located under your thighs, producing waves of tiny, scent laden bubbles that rise to the surface where they burst, releasing their fragrance and promoting a feeling of well-being and relaxation.

- Chamomile = Calming
- Lavender = Relaxing
- Eucalyptus = Energising
- Rose = Romantic



Available for the following spas:

- 2 massage positions: 12 aeromassage jets
- 3 massage positions: 10 aeromassage jets
- 4 massage positions 16 aeromassage jets

REMOTE INSTALLATION KIT

Available only for the 2, 3 and 4 massage position spas.

Remote installation kits (available exclusively from Procopi) contain the various pipes and tubes necessary to install the spa pack at a distance of up to 7.5 m from the spa (for the blower, heater, ozonator, two speed pump and massage pumps).

Listen to the silence

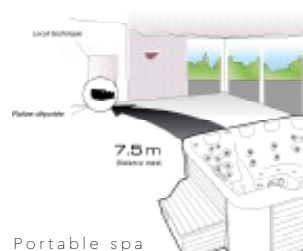
Compatible with our in-ground and portable spa models. With the spa pack installed more than 7 meters from the spa, no noise intrudes on your relaxation.

Outdoor



In-ground spa

Indoor



Portable spa



BWT ST 2.18 SPA - 2 MASSAGE STATIONS

2 massage stations

2 loungers facing each other

Portable and in-ground version



ST 2.18, THE INDOOR SPA

The BWT ST 2.18 spa is the perfect choice to transform any indoor space into a haven of well-being, ease and respite. Two form fitted loungers oriented face to face ensure unforgettable moments of relaxation and awakened sensation.

The BWT ST 2.18 spa is only 66 cm high so you can easily step in and out, even without a step. Furthermore, its low lines make it easy to manoeuvre through narrow interior doors.

Like every BWT spa, the ST 2.18 is equipped with top of the range fittings.



Marbled white



Composite grey surround



Only 66 cm high



Weight/ Dimensions

Empty weight: 230 kg
 Filled weight: 720 kg
 Water volume: 490 litres
 Spa dimensions (overall)
 Portable: 198 (L) x 141 (W) x 66 (H)
 In-ground: 198 (L) x 141 (W) x 66 (H)
 Step dimensions (overall)
 106 (L) x 55 (W) x 42 (H)
 Dimensions are quoted in cm

Hydromassage

18 Hydromassage jets

- 3 Rotating jets 95mm
- 7 Directional jets 95mm
- 8 Directional jets 70mm
- 4 Directional jets 70mm

(with foot jet option)

Air massage jets

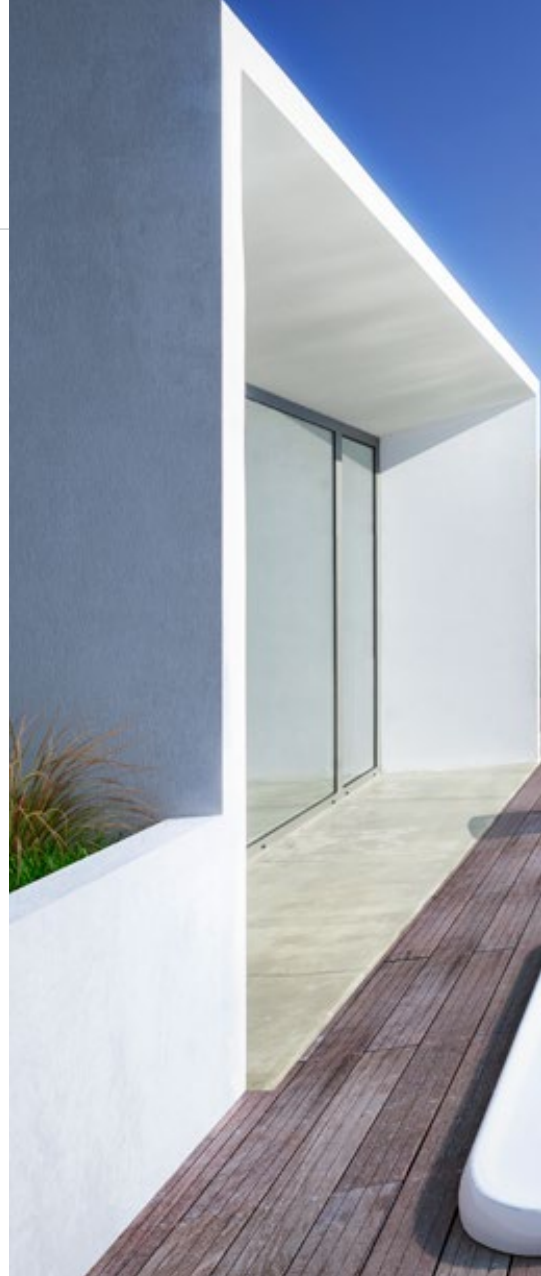
12 Jets (with Blower option)



Stainless steel jets

Standard equipment

- 1 Multicolour LED light
- 1 Skimmer (1 cartridge 3.2 m²)
- 2 Headrests
- 1 Main drain
- 1 Step
- 1 Rigid cover
- 1 Spa pack PB601
- 1 Start-up kit
- 1 Drainage valve





Calculate the spa price by adding together the price of each step in the table below

Description	Price
1st step – choose the version	
BWT ST 2.18 portable spa, fitted out, with stainless steel jets, marbled white shell and composite grey surround	
BWT ST 2.18 in-ground spa, fitted out, with stainless steel jets, marbled white shell	
2nd step: Add options	
Blower and aromatherapy	
Foot jets	
Anti-bacterial felt insulation	
Remote installed spa pack (7.50 m)	
Chromatherapy	
3 rd step: Choose delivery/ pick-up	
With forklift truck, by appointment, for delivery of the spa directly to the installation site – France only	Net price exVAT
Without forklift truck or appointment, delivery of the spa to the professional client	Net price exVAT
Pick-up of the spa from a Procopi agency or factory	Net price exVAT
4 th Step: Commissioning (according to the specifications available on Procopi.com)	
Commissioning of the BWT ST 2.18 spa	Net price exVAT

BWT ST 3.17 SPA - 3 MESSAGE STATIONS

3 massage stations



1 Lounger
2 Bucket seats
1 Child seat

Portable or
in-ground version



ST 3.17, GOOD THINGS REALLY DO COME IN SMALL PARCELS

With its small footprint, a BWT ST 3.17 spa slips easily into any surroundings.

Small in size but large in spirit, the BWT ST 3.17 spa features two bucket seats and one lounge seat where 17 massage jets and 10 air jets (blower version) provide an effective, soothing and stress relieving massage.

The BWT ST 3.17 spa is the perfect setting to create unforgettable memories.



Marbled white



Composite grey surround



Weight/ Dimensions

Empty weight: 250 kg
Filled weight: 1 000 kg
Water volume: 750 litres
Spa dimensions (overall)
Portable: 213 (L) x 168 (W) x 80 (H)
In-ground: 213 (L) x 168 (W) x 80 (H)
Step dimensions (overall)
106 (L) x 55 (W) x 42 (H)
Dimensions are quoted in cm

Hydromassage

17 hydromassage jets

- 5 Rotating jets 95mm
- 7 Directional jets 95mm
- 5 Directional jets 70mm
- 2 Directional jets 70mm (with the foot jet option)

Air massage jets

- 10 Jets (with Blower option)



Stainless steel jets

Standard equipment

- 1 Multicolour LED light
- 1 Skimmer (2 cartridges, 3.2 m²)
- 3 Head rests
- 2 Main drains
- 1 Step
- 1 Rigid cover
- 1 Spa pack BP601
- 1 Start-up kit
- 1 Drainage valve





Calculate the spa price by adding together the price of each step in the table below

Description	Price
1st step – choose the version	
BWT ST 3.17 portable spa, fitted out, with stainless steel jets, marbled white shell and composite grey surround	
BWT ST 3.17 in-ground spa, fitted out, with stainless steel jets, marbled white shell	
2nd step: Add options	
Blower and aromatherapy	
Foot jets	
Anti-bacterial felt insulation	
Remote installed spa pack (7.50 m)	
Chromatherapy	
Waterfall	
3rd step: Choose delivery/ pick-up	
With forklift truck, by appointment, for delivery of the spa directly to the installation site – France only	Net price exVAT
Without forklift truck or appointment, delivery of the spa to the professional client	Net price exVAT
Pick-up of the spa from a Procopi agency or factory	Net price exVAT
4th Step: Commissioning (according to the specifications available on Procopi.com)	
Commissioning of the BWT ST 3.17 spa	Net price exVAT

BWT ST 4.31 SPA - 4 MASSAGE STATIONS

4 massage stations

2 loungers

2 bucket seats

Portable or in-ground version



WELL-BEING GUARANTEED WITH ST 4.31

The BWT ST 4.31 spa design is sure to procure unforgettable moments of well-being and relaxation. Able to accommodate up to 4 people, the BWT ST 4.31 spa features 31 massage nozzles and 16 air massage jets (blower version) providing an optimum massage for each user.

The lines of the BWT ST 4.31 spa follow the contours of your body, and the loungers are arranged to face each other, convivial relaxation is inevitable.



Marbled white



Grey composite surround



Weight/ Dimensions

- Empty weight: 300 kg
- Filled weight: 1300 kg
- Water volume: 1000 litres
- Spa dimensions (overall)
- Portable: 200 (L) x 200 (W) x 80 (H)
- In-ground: 200 (L) x 200 (W) x 80 (H)
- Step dimensions (overall)
- 122 (L) x 55 (W) x 42 (H)
- Dimensions are quoted in cm

Hydromassage

31 Hydromassage jets

- 5 Dual-rotating jets 95mm
- 5 Rotating jets 95mm
- 6 Directional jets 95mm
- 15 Directional jets 70mm
- 4 Directional jets 70mm (with foot jet option)

Air massage jets

- 16 Jets (with Blower option)



Stainless steel jets

Standard equipment

- 1 Multicolour LED light
- 1 Skimmer (2 cartridges, 3.2 m²)
- 4 Head rests
- 3 Main drains
- 1 Step
- 1 Rigid cover
- 1 spa pack BP800X
- 1 Start-up kit
- 1 Drainage valve





Calculate the spa price by adding together the price of each step in the table below

Description	Price
1st step – choose the version	
BWT ST 4.31 portable spa, fitted out, with stainless steel jets, marbled white shell and composite grey surround	
BWT ST 4.31 in-ground spa, fitted out, with stainless steel jets, marbled white shell	
2nd step: Add options	
Blower and aromatherapy	
Foot jets	
Anti-bacterial felt insulation	
Remote installed spa pack (7.50 m)	
Chromatherapy	
Waterfall	
3 rd step: Choose delivery/ pick-up	
With forklift truck, by appointment, for delivery of the spa directly to the installation site – France only	Net price exVAT
Without forklift truck or appointment, delivery of the spa to the professional client	Net price exVAT
Pick-up of the spa from a Procopi agency or factory	Net price exVAT
4 th Step: Commissioning (according to the specifications available on Procopi.com)	
Commissioning of the BWT ST 4.31 spa	Net price exVAT

BWT ST 6.51 SPA - 6 MASSAGE STATIONS

- 6 Massage stations
 - 51 Massage jets
 - 1 Lounger
 - 2 Bucket seats
 - 3 Seats
- Portable version



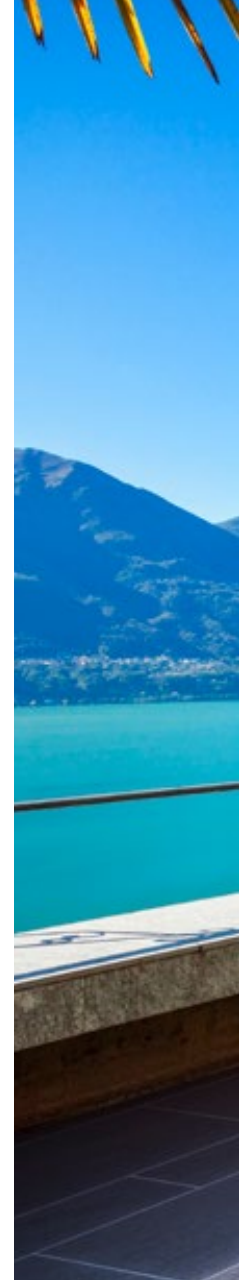
SS jets



Composite brown surround



Marbled white



Seat

- Shoulders: 2 dual rotating jets 3"
- Back: 1 dual rotating jets 3"
- Lumbar: 1 directional jet 3.5"

Air controls

Diverting valve

Skimmer

Bucket seat

- Nape: 2 rotating jets 2"
- Back: 2 directional jets 3.5"
- Lumbar: 2 dual rotating jets 5"
- Feet: 2 directional jets 2"

Waterfall valve

Waterfall

Seat

- Back: 2 directional jets 3.5"

Bucket seat

- Nape: 2 rotating jets 2"
- Shoulders: 2 directional jets 3"
- Back: 5 directional jets 3"
- Lumbar: 2 directional jets 3"
- Feet: 2 directional jets 2"

Air controls

Volcano

- 1 directional jet 3.5"
- 4 directional jets 2"

Seat

- Shoulders: 2 directional jets 3"
- Back: 1 directional jet 3.5"

Air controls

Digital control pad

Air controls

Lounger

- Shoulders: 2 directional jets 3"
- Back: 1 directional jet 3.5"
- Lumbar: 2 directional jets 3"
- + 1 multi-jet 5"
- Legs: 4 dual rotating jets 3"
- Feet: 6 directional jets 2"

WEIGHT/ VOLUME/ DIMENSIONS/ FLOW RATES

Empty weight: 300 Kg / Full weight: 1 900 Kg / Water volume: 1 600 L
 Portable version: 205 cm (L) x 205 cm (W) x 102 cm (H)
 Jet and spa pack flow rate: 52 m³/h

EQUIPMENT

Chromatherapy comprised of 14 multi-colour LEDs
 1 Skimmer (1 cartridge)
 3 Head rests
 1 Rigid cover
 4 Air controls
 1 Diverting valve
 1 Waterfall valve
 3 Main drains
 1 Drainage valve

- 1 Control pad (3 kW)
- 1 Electric heater (3 kW)
- 1 2-speed pump
- 1 Massage pump
- 1 U.V. treatment
- 1 Electrical panel

ACCESSORIES INCLUDED WITH THE SPA:

Rigid cover
 (delivered with two
 locking clips)

**6 massage stations, 51 massage jets**

1 Multijet 5''



7 Dual rotating jets 3''



15 Directional jets 3''



4 Rotating jets 2''



2 Dual rotating jets 5''



8 Directional jets 3.5''



14 Directional jets 2''

Spa

Code	Description	Price
31340210	BWT SP6.51 portable spa, with stainless steel jets, marbled white, composite brown surround	

Spa commissioning

Code	Description	Price
92346	Commissioning a BWT ST 6.51 spa	

Spa delivery

Code	Description	Price
31090400	Delivery/ pick-up of a spa	

SPA ACCESSORIES



Spa pack BP800X-SB



Spa pack BP601-B

+ The spa pack may not be installed more than 1.5 m below the water line.

Model with blower (B) and without (SB)	BP601-B	BP601-SB	BP800X-B	BP800X-SB
Spa pack support plate	1	1	1	1
Ozonator	1	1	1	1
Two-speed pump, 3HP	1	1	1	1
Massage pump, 3HP	-	-	1	1
Electric heater, 3 kW	1	1	1	1
Electronic control panel with digital display	1	1	1	1
Blower (blower version only)	1	-	1	-
Flow rate at 8 mWC	48 m ³ /h	48 m ³ /h	96 m ³ /h	96 m ³ /h

SPA PACK BP 601

Family 8400

Code	Description	Price
31597000	BP601-SB spa pack (without blower), pre-assembled	
31597100	BP601- B spa pack (with blower), pre-assembled	

SPA PACK BP 800X

Family 8400

Code	Description	Price
31090210	BP800X-SB spa pack (without blower), pre-assembled	
31197100	BP800X-B spa pack (with blower), pre-assembled	

MASSAGE PUMPS

Families 8400 & 8780



Code	Description	Price
31597070	Single speed pump, for BP spa packs	

KIT FOR CONCRETE SPAS

Family 8750



Concrete spa kit BP60/ BP800X:

- 1 Throughwall flange – underwater light,
- 1 Throughwall flange – sensor,
- 1 Throughwall flange – ozonator.

Code	Description	Price
31590080	Concrete spa kit for BP601/BP800X spa pack	

RIGID COVERS FOR SPAS

Family 8400

Code	Description	Price
31590265	Rigid cover for BWT ST 2.18 spas	
31090265	Rigid cover for BWT ST 3.17 spas	
31190265	Rigid cover for BT ST 4.31 spas	



SPARE CARTRIDGES

Family 550

Code	Description	Price
31090199	Cartridge SF-1C for spas•	
31090195	Cartridge SF-2C for spas••	

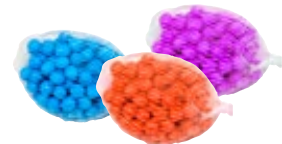
• Cartridge for ST 2.18 spa•• Cartridge for ST 3.17 and ST 4.31 spas



AROMATHERAPY

Family 8400

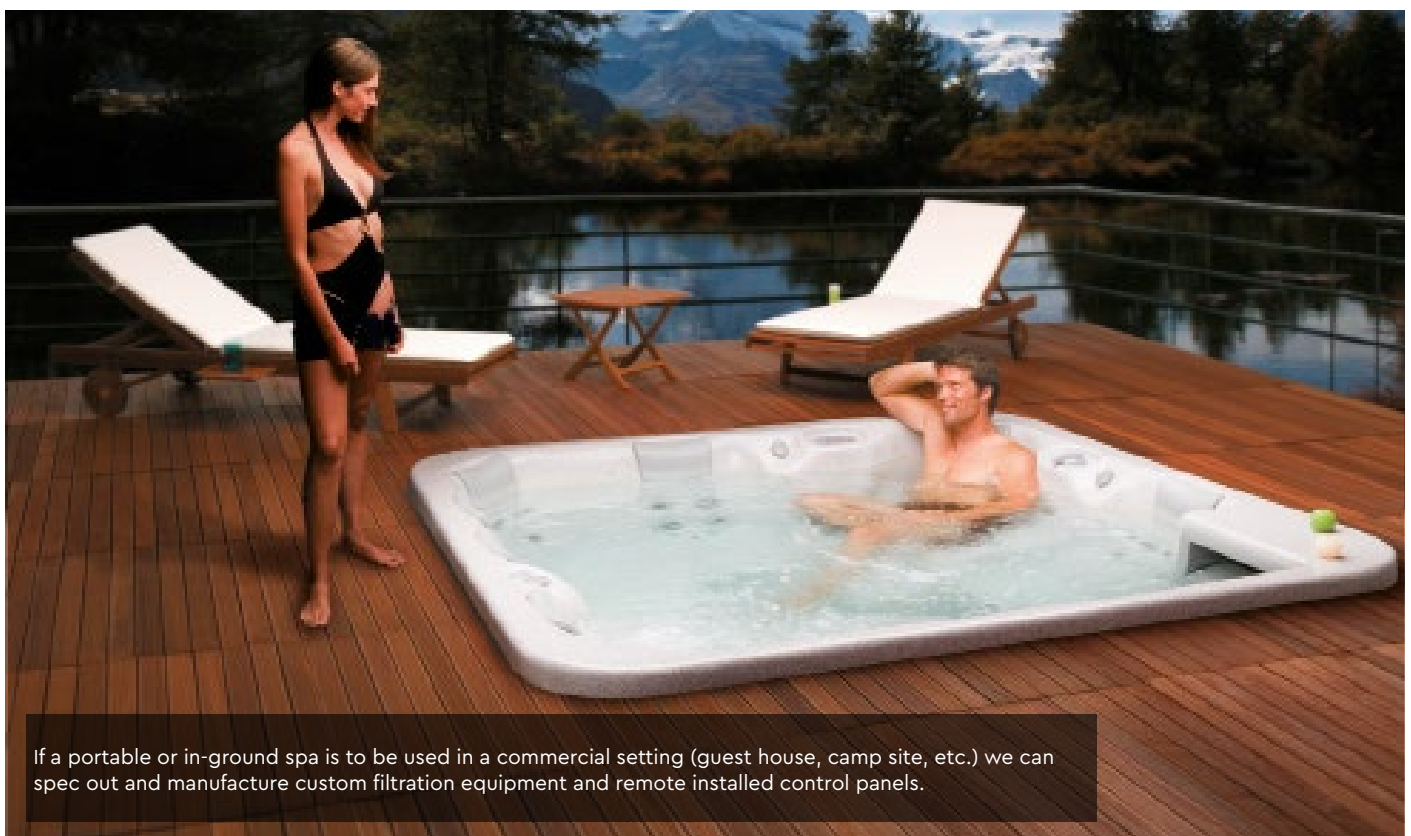
Code	Description	Price
31597055	Box of 4 aromatherapy fragrances	



Technical data:

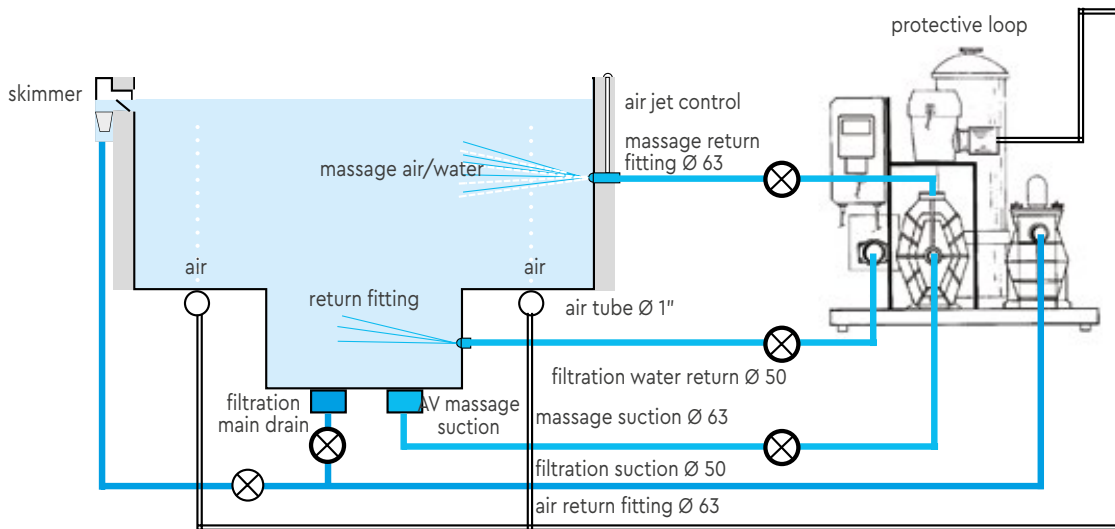
Relaxing, invigorating, refreshing, bewitching, choose a fragrance to evoke a mood and enjoy the dramatic impact on your mind and body. The blower propels air through the air jets located under your thighs, producing waves of tiny, scent laden bubbles that rise to the surface where they burst, releasing their fragrance and promoting a feeling of well-being and relaxation.

- Chamomile = Calming
- Lavander = Relaxing
- Eucalyptus = Energising
- Rose = Romantic



If a portable or in-ground spa is to be used in a commercial setting (guest house, camp site, etc.) we can spec out and manufacture custom filtration equipment and remote installed control panels.

CONCRETE SPA SCHEMATIC DIAGRAM



CONCRETE SPA - SAMPLE CALCULATION



+

PROCOPI TOP TIP

Contact our design office for your Commercial Spa Study

Code	Description	Round or octagonal spa, seating capacity 5		Square or rectangular spa, seating capacity 4		Comments
		Number	Price	Number	Price	
FILTRATION CIRCUIT						
41610000	Main drain BB-210	1		1		-
2600100	Spa skimmer Ø50, concrete	1		1		-
42630000	Return fitting for concrete pools, RB-310, white	1		1		-
43600000	Throughwall flange TP-250	1		1		-
MASSAGE CIRCUIT						
2620400	Bottom suction, 2", anti-vortex, 48m ³ /h	1		1		The number of venturi tees should equal the seating capacity of the spa.
2601500	Venturi Tee Ø50, concrete ••	5		5		
2642000	Air control, Ø 20 mm	5		5		
AIR CONDUITS						
2610100	Spa air tube Ø1", 2.1 m length	8		4		The air circulation system must include enough tubing to go around the entire perimeter of the spa. Caution! Never bend the tubing in which air is circulating, use elbows and T unions.
2611000	Air tube elbow, 45°	8		-		
2610500	Air tube elbow, 90°	-		4		
2611500	Air tube tee Ø1"	2		2		
2611501	Adaptor socket 1" male 32 mm female	2		2		
2643000	Pneumatic push button	2		2		
TOTAL, SPA EQUIPMENT						

• Venturi Tees come complete with jet and adapter unions

CONCRETE SPA FITTINGS

Family 8750

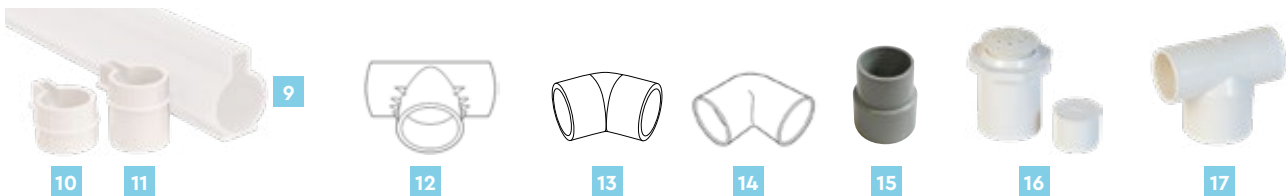


Code	Description	Price
Bottom suction		
1	2620400 Bottom suction, 2", anti-vortex, 48m ³ /h	
Skimmer		
2	2600100 Spa skimmer Ø50, concrete	
Massage Fittings		
3	2601500 Venturi Tee Ø50, concrete •	Flow rate 5m ³ /h
4	2602000 Venturi Tee Ø50, concrete • + Micro'ssage rotating jet	Flow rate 5m ³ /h
5	2603000 Venturi Tee Ø50, liner and polyester •	Flow rate 5m ³ /h
	1420020 PVC hose Ø 20 for venturi tee	per m
6	2625000 Hydrojet Ø 50 mm (air/water)	Flow rate 1.5m ³ /h
7	2610000 Return fitting for Hydrojet 10-4100	
8	2602500 Hydrojet extension, concrete	

• Venturi Tees come with the jet and adapter unions

AIR CONDUITS FOR CONCRETE SPAS

Family 8750



Code	Description	Price
Air conduits		
9	2610200 Air2 tube, concrete spa 2 x 1.22 ml	
	2610203 Tube Air2 Spa, air inlet cap	
10	2610205 Tube Air2 Spa connector/ extension	
11	2610207 Tube Air2 Spa 1" union adapter	
12	2610210 1" Tee for Tube Air2 Spa	
13	2610211 45° elbow, 1", for Tube Air2 Spa	
14	2610212 90° elbow, 1", for Tube Air2 Spa	
15	2611501 Adaptor socket 1" male 32 mm female	
Bottom air jet		
16	2611600 Bottom air jet with check valve and 1" plug	
	1348032 Equal Tee, female, solvent, 32mm	
17	2611620 Reducing Tee Ø 32 x Ø 50 x Ø 32	

SUCTION FITTINGS FOR ACRYLIC SPAS

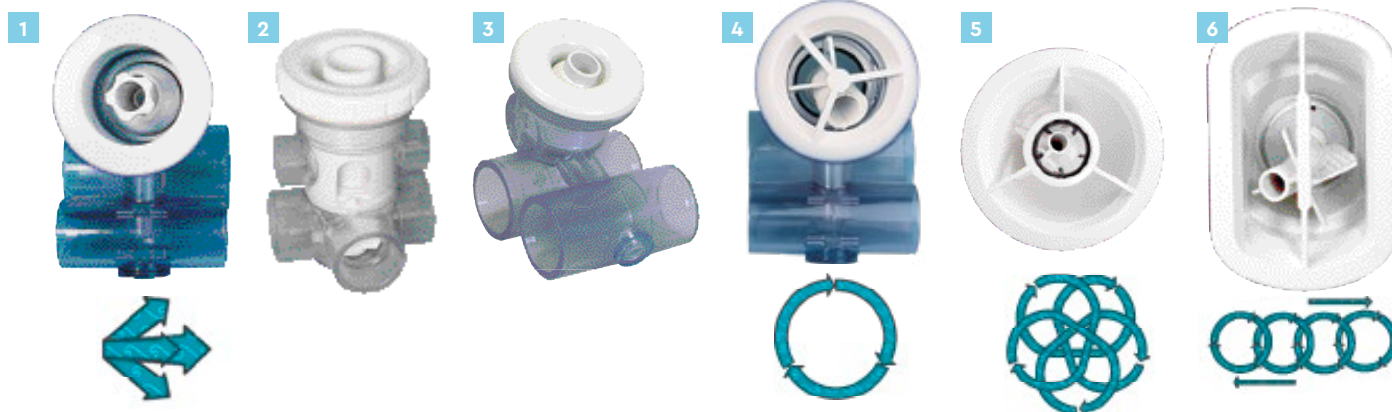
Family 8780



Code	Description	Price
Bottom suction fitting		
2620500	Straight anti-vortex suction fitting max 18 m ³ /h	

MASSAGE FITTINGS FOR ACRYLIC SPAS

Family 8780



Code	Description	Price
Massage parts		
1	2626000 Freedom Ø 50 mm water, Ø 32 mm air (directional and flow adjustable)	Flow rate 1.5m ³ /h
2	2628800 Turbo jet Butterfly, 3-way #	Flow rate 19m ³ /h
	2610000 Return fitting for Hydrojet 10-4100	
	2625000 Hydrojet Ø 50 mm (air/water)	Flow rate 1.5m ³ /h
3	2624000 Slimline jet Ø 32 mm (air/water)	Flow rate 2.7m ³ /h
Rotating massage parts		
4	2628200 Micro'ssage Freedom Ø 50 mm eau, Ø 32 mm air #	Flow rate 1.5m ³ /h
5	2628400 Thera'ssage Ø 50 mm water, Ø 32 mm air #	Flow rate 2.7m ³ /h
6	2628600 Verta'ssage Ø50 mm water, Ø 32 mm air #	Flow rate 2.7m ³ /h

BOTTOM AIR JET FOR ACRYLIC SPAS

Family 8780



Code	Description	Price
7	2611700 Bottom air jet with 1" check valve	
8	2611610 Combination tee Ø 32 x 1" x Ø 32	
9	2611620 Reducing Tee Ø 32 x Ø 50 x Ø 32	

COMMON SPA FITTINGS

Family 8780



	Code	Description	Price
Air control for spas			
1	2640000	Air control, Ø 32 mm	
2	2642000	Air control, Ø 20 mm	
3	2640400	Silent air control, Ø 32 mm	
Pneumatic push button			
4	2643000	Pneumatic push button	
	2643200	Crystal tubing Ø 2 x 4 for pneumatic push button, 25 m ring	per m
	2653250	Mounting plate for 2 pneumatic buttons (without buttons)	
5	2643050	Mounting plate for 3 pneumatic buttons (without buttons)	
Various accessories			
	2645000	Check valve 1"1/2 - 2"	
	2645400	Freedom Jet installation tool	
	2648000	Adaptor socket 1.5" male/ 50 mm female	
	2648200	Adaptor socket 2" male/ 63 mm female	
	2648400	Adaptor socket 2" female 63 mm female	
	2648600	Adaptor socket 1.5" female 50 mm female	
	2611501	Adaptor socket 1" male 32 mm female	
	2601530	Adaptor union 1/2" male/ 20 mm female	
	2625021	Linear diffuser connection	
	2625022	Diffuser connection 90°	

SPA UNDERWATER LIGHTS

Family 8780

Code	Description	Price
2522000	Stainless steel SPA underwater light (50W-12V)	



BLOWERS FOR SPAS

Families 8400 & 8750

	Code	Description	Max flow rate m ³ /h	Suppression maxi mbar	Intensité max (A)	Price
6	2516100	Blower, commercial spas, 1.10 Kw 1ph	120	180	6.7	
	2516200	Blower, commercial spas, 1.25 Kw 3ph	120	180	2.7	
	2516300	Blower, commercial spas, 1.50 Kw 3ph	181	205	3.8	
	2516400	Blower, commercial spas, 2.00 Kw 3ph*	230	190	4.45	
	2516500	Blower, commercial spas, 3.00 Kw 3ph*	335	250	6.1	
	2516600	Blower, commercial spas, 4.00 Kw 3ph*	415	220	8.4	
	2516700	Blower, commercial spas, 5.50 Kw 3ph*	472	280	11.9	
	2516800	Blower, commercial spas, 7.50 Kw 3ph*	720	270	13.5	

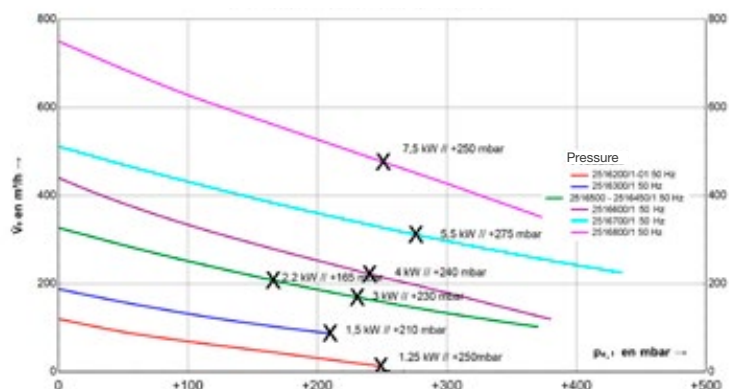


+ Filters and valves included.

(*) article available on order and subject to a 30% down payment.

- Material equipped with a suction filter and pressure valve,
- The device must be located below the water level with a check valve,
- Maintenance limited to cleaning the filter.

Performance curve, flow rate vs. pressure



STEAM ROOMS

MR STEAM STEAM GENERATORS - MS SERIES

Family 5500

AUDIO Wizard™
Streaming Bluetooth sound system. Full function control inside the steam room.
Pairs up to 8 devices

ChromaSteam® Colour LED cluster, long service life, low energy consumption

Musictherapy®
In-shower Speakers
Full vibrant sound compatible with most audio inputs



AutoFlush®
Automatic drainage system.. Improves performance and increases the service life of the system

AromaSteam
AromaTherapy on demand
Automatically infuses aroma oil into the steam environment.

Steam head, iSteam 3®
Cooler to the touch
Even dispersion

iSTEAM® Controller
Touch screen, Function rich menu for an unequalled customised experience

100% recyclable stainless steel, inside and out
Steam generator
Silent, efficient, reliable



SteamLinX®
SteamLinX module allows you to control your steam room from your smart phone

+

PROCOPI TOP TIP

Our commercial steam rooms are listed in the Commercial Pools & Spas chapter.

MR STEAM STEAM GENERATORS - MS SERIES

Family 5500



- The MS steam generator may be installed at a distance of up to 18 m from the steam shower.
- Ecological – the MS-90E model only uses 2.5 litres of water for a 20 minute session.
- Made of recycled stainless steel, robotically welded
- The PCB is easy to upgrade. It controls the water level and temperature, and timing functions.
- Fits easily under a bench, in a cupboard etc.
- A water temperature equalization chamber – Autosteam – comes as standard with every generator. Autosteam ensures a continuous flow of steam, with no pauses and no cold spots.
- The temperature sensor is integrated into the steam head. It is possible to install a temperature sensor separately in the steam shower if the controller is installed outside the cabin.
- Water solenoid technology delivers whisper-quiet anti-hammer operation,
- LED colour indicators provides visual feedback for easy-to-navigate self-diagnostics.
- Simple Plug & play connections allow installation of the AutoFlush, AromaSteam and ChromaSteam.
- A service door on the side of the generator allow easy access to the water reservoir and heating elements to facilitate cleaning or replacement if necessary.

Code	Description	Voltage	Power in kW	Volume in m ³	Price
1881600	Steam generator MS-90E	230V 1ph	5	3	
1882100	Steam generator MS-150E	230V 1ph	6	3	
1882800	Steam generator MS-225E	400V 3ph	7.5	7	
1884600	Steam generator MS-400E	400V 3ph	9	11	

ACCESSORIES FOR MR STEAM MS

Family 5500

	Description	Description	Price
Controllers			
1	1888460	iTempo controller, delivered with 1 chrome plated steam head	
2	1888550	AirTempo controller, black, with 1 steam head	
	1880630	iSteam 3 controller, white, with 1 steam head*	
3	1880730	iSteam 3 controller, black, with 1 steam head*	
4	1880760	SteamLinX control module*	
6	1888450	Remote installed sensor for iTempo/Plus and iTempo timer	
Steam head			
5	1888500	Additional chrome plated steam head for MS-CT steam generator	
Drainage			
11	1888100	Automatic flush for MS-E steam generator	
11	1889100	Automatic flush for CT steam generator*	
7	1888580	Drip tray for MS-E steam generator	
Accessories			
8	1881950	Square loud speakers for steam room cabins	set of 2
9	1881800	Chromotherapy light*	
10	1881860	AudioSteam 3 system*	
Aromatherapy			
14	1888700	Electromagnetic fragrance diffuser + dry contact	
12	1888600	Aroma pump	
13	1888760	Essential oil, Eucalyptus, steam rooms, 500 ml – Breathing	
	1888770	Essential oil, Orange, steam rooms, 500 ml – Calming#	
	1888780	Essential oil, Mint, steam rooms, 500 ml – Refreshing#	
13	1888790	Essential oil, Elinya, steam rooms, 500 ml – Slimming#	
Recommended accessories			
15	1899100	Water filter with polyphosphate cartridge	
	1899200	Spare polyphosphate cartridge*	

(* article available on order and subject to a 30% down payment.

Available while stocks last



1

iTempo controller

- Control panel to be set into the steam room cabin wall
- Ergonomic, sensitive buttons
- Digital display, regulation of the duration and the temperature
- Integrated temperature sensor
- Very low voltage electrical supply
- May be installed inside or outside the steam room (with a remote installed temperature sensor)
- Matching Aromasteam steam head
- May be controlled with the Steamlinx module*



2

Air Tempo controller

- Control panel to be set into the steam room cabin wall
- Ergonomic, sensitive buttons
- Digital display, regulation of the duration and the temperature
- Two time/ temperature settings saved to memory
- Integrated on/ off for AromaSteam and ChromaSteam
- Integrated temperature sensor
- Very low voltage electrical supply
- May be installed inside or outside the steam room (with a remote installed temperature sensor)
- Matching Aromasteam steam head
- May be controlled with the Steamlinx module*



3

iSteam 3 touch screen controller

- Control panel to be set into the steam room cabin wall
- Colour LCD touch control screen
- Regulation of the duration and the temperature
- Stores eight user preference settings
- Integrated on/ off for AromaSteam, ChromaSteam³ and AudioSteam³
- Access code to avoid inadvertant activation of the steam room
- Includes a colour matched AromaSteam steam head
- Very low voltage electrical supply
- May be installed inside or outside the steam room (with a remote installed temperature sensor)



4

SteamLinx control module*

- The SteamLinx module and ap allow the user to control steam room functionality from a smartphone or mobile device. SteamLinx is compatible with all MrSteam controllers
- The ap is available for download from the Google play and Apple Store



5

Chrome plated steam head

- Steam head included as standard with every controller
- Silent operation
- Ensures perfect distribution of the steam and fragrances



6

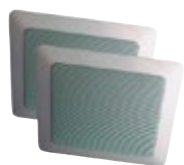
Remote installed sensor for iSteam³ or iTemp Plus controller

- Allows installation of the iSteam³ or iTempo Plus controller outside the steam room



7

Drip tray



8

Loud speakers

- May be installed in any shower or steam room
- May be installed inside or outside the steam room or shower
- Built-in speaker, marine grade, made of polypropylene
- Power 30 W
- Square speaker, 17.9 cm x 17.9 cm
- ABS frame
- Compatible with most audio inputs



9

Chromotherapy underwater lights

- Flat light, set into the wall/ floor, with 72 colour LEDs
- May be installed in the steam room or shower
- Steam proof
- Integrated, low voltage transformer
- Microprocessor to manage colour selection, controlled via the iSteam³ or iTempo Plus controller.



10

AudioSteam³ system*

- Bluetooth technology.
- Compatible with most audio inputs (Smart Phone equipped with Bluetooth, tablets, computers, etc.).
- Outputs: up to 4 loud speakers.



11

Automatic drain

- Automatically and electronically purges the steam generator after each steam bath
- Renews the water before the following steam bath
- Improves the performance of the steam generator and extends its service life
- In areas with hard water (TH greater than 150 ppm) installation of an automatic purge is mandatory to maintain the guarantee covering the steam generator



12

Automatic fragrance dispenser (Aromasteam System)

- The electronic oil dispensing system injects the fragrance evenly into the steam room
- Delivered with hoses, unions and an oil vaporiser
- May be controlled using an iSteam³® or iTempoPlus® controller



13

Essential oils (0.5 litre bottle)

- 100% pure essential oils
- No synthetic fragrances
- Natural raw materials
- Manufactured in a manner that is respectful that is respectful of the environment and sustainable development
- Supports traditional production methods



14

Eletromagnetic fragrance pump



15

Water filter with polyphosphate cartridge

The digital accessory pack (delivered without the steam generator) comprises: an Air Tempo controller, an AromaSteam steam head, an iGenie remote control (white), an AutoFlush® automatic purge and a drip tray.



Air Tempo controller



AromaSteam head steam



SteamLinX module



AutoFlush®



Drip tray

AirTempo controller

- Control panel to be set into the steam room cabin wall
- Ergonomic, sensitive buttons
- Digital display, regulation of the duration and the temperature
- Stores two user preference settings
- Integrated on/ off for AromaSteam and ChromaSteam
- Integrated temperature sensor
- Very low voltage electrical supply
- May be installed inside or outside the steam room (with a remote installed temperature sensor)
- Matching Aromasteam steam head
- May be controlled with the SteamLinX module

Brushed steel Steam head

- Steam head, enclosed as standard with the controller,
- Runs silently,
- Ensures even dispersion of the steam and the fragrance.

Automatic purge

- Automatically and electronically purges the steam generator after each steam bath,
- Renews the water before the following steam bath,
- Improves the steam generators performance and extends its service life,
- In areas with hard water (TH greater than 250 ppm) installation of an automatic purge is mandatory to maintain the guarantee covering the steam generator

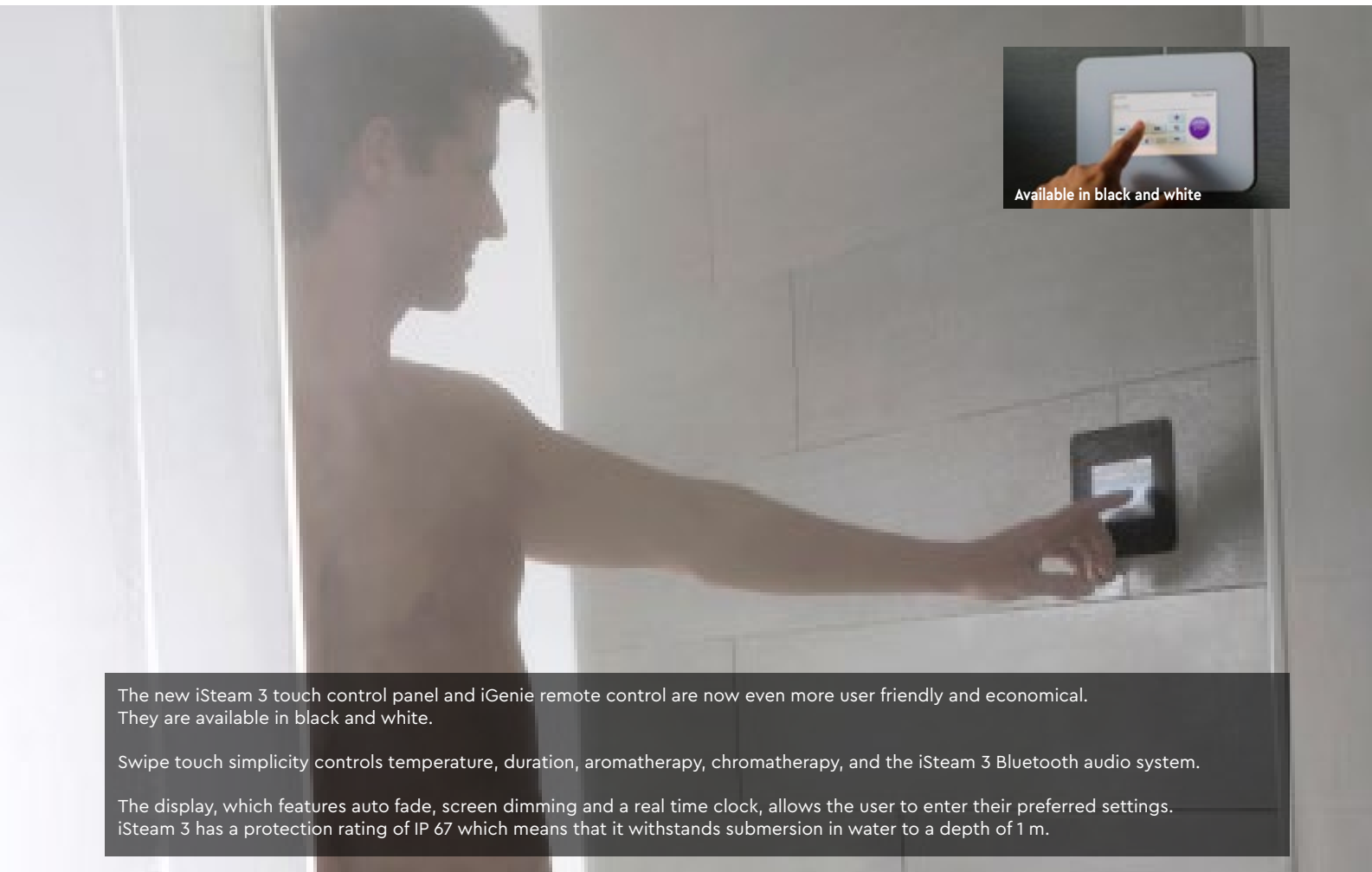
Code	Description	Price
1888570	Digital pack (generator not included) – brushed steel finish	



The intuitive, touch screen control panel allows you to manage temperature, duration, fragrance, atmosphere and all the steam system functions. With its options, like chromatic lighting and the automatic fragrance dispenser, the iSteam 3 controller transforms any shower into a wellness experience that involves every sense. The auto fade display features a real-time clock, contrast settings may be adjusted. It is possible to store preferred settings. The Bluetooth Audio Streaming option allows you to sync with up to 8 devices and connect to up to 4 loud speakers installed in the shower. The iSteam 3 controller may be protected by password. For added safety, the controller also features time out function and a high temperature safety mechanism. Manufactured from high quality silica glass and polished cast aluminium, iSteam 3 has a protection rating of IP67 which means it can withstand immersion to a depth of 1 m.

PACK PREMIUM TACTILE - MR STEAM MS SERIES

Family 5500



The new iSteam 3 touch control panel and iGenie remote control are now even more user friendly and economical. They are available in black and white.

Swipe touch simplicity controls temperature, duration, aromatherapy, chromatherapy, and the iSteam 3 Bluetooth audio system.

The display, which features auto fade, screen dimming and a real time clock, allows the user to enter their preferred settings. iSteam 3 has a protection rating of IP 67 which means that it withstands submersion in water to a depth of 1 m.

Each accessories pack (steam generator not included) comprises: an iSteam 3 controller, an iSteam 3 steam head, an iGenie remote control, an AutoFlush and a drip tray. The iSteam touch control display and iGenie remote control are available in black or white.



iSteam 3



Steam head



SteamLinx module



AutoFlush®



Drip tray

Code	Description	Price
1880900	Premium Tactile Pack (steam generator not included) – Controller and remote control, black	
1880800	Premium Tactile Pack (steam generator not included) – Controller and remote control, white	

* article available by order, subject to a 30% down payment

STEAM GENERATOR FOR SHOWERS - STEAM@HOME **mr.steam**

Family 5500



The STEAM@HOME steam generator was purpose designed to make the luxury of steam shower accessible to those limited in space or on a tight budget. With it's compact size, it fits easily into a bathroom unit. The duration is automatically set to 20 minutes, unless the session is interrupted by the user. The temperature reached will depend on the length of the session and the finish in the shower. This generator is not compatible with the iSteam or iTempo controllers. Fitted with an integrated flush valve and safety time-out, it is 23% smaller than a standard MS steam generator.



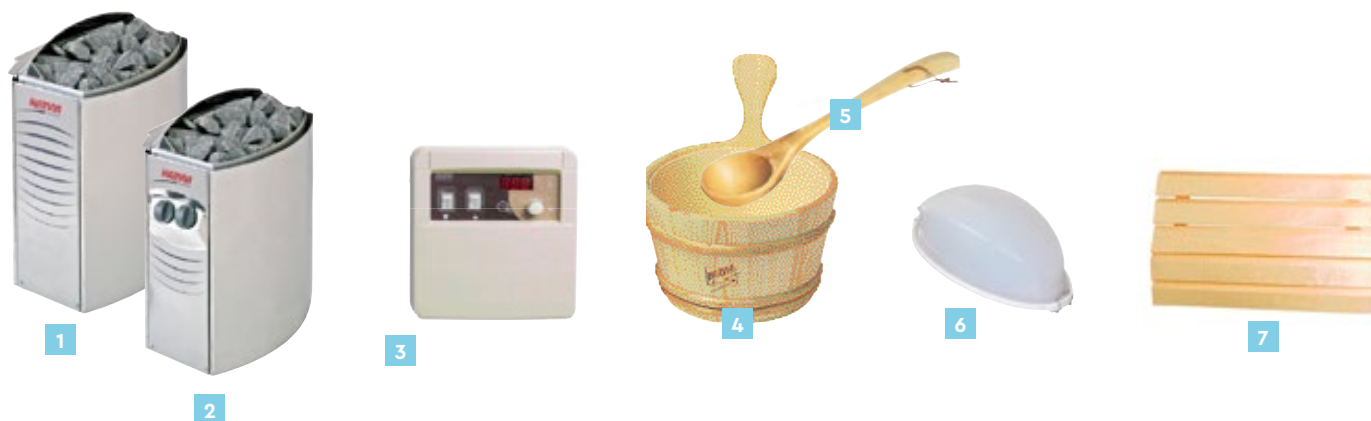

Steam head

On/ Off button

Code	Description	Voltage	Power in kW	Volume in m ³	Cons (A)	Price
1880500	Steam generator SAH6000	230V Mono	6	3 to 4 m ³	25	

All the Mr Steam STEAM@HOME series steam generators come with an on/off switch and matching steam head as standard.



13

Entirely water soluble, the essential oils diffuse in generous quantities (dilution: 10 to 20 ml per litre of water). Manufacturing secrets ensure better diffusion of the essential oils and persistence of the plants' aromatic molecules.

- 100% pure essential oils,
- No synthetic fragrances,
- Natural raw materials,
- Manufactured in a manner that is respectful of the environment and sustainable development,
- Supports traditional production methods.

+ Stones not included

	Code	Description	Price
1	1333400	Sauna stove, 6kW for a volume of 5/8 m ³ , control sold separately (no.3)	
1	1333600	Sauna stove, 9kW for a volume of 8/14 m ³ , control sold separately (no.3)	
2	1333000	Sauna stove, 6 kW, with controls	
2	1333200	Sauna stove, 8 kW, with controls	
3	1334200	Digital, programmable sauna stove electrical panel•	
4	1331000	Wooden bucket for sauna, 4 litres	
5	1331010	Wooden ladle for sauna, 36 cm	
6	1331020	Sauna light, 40 watts, without bulb	
7	1331030	Wooden light shade for sauna	
8	1331040	Thermo-Hygrometer for sauna	
9	1331050	Sauna timer	
10	1331060	Wooden sauna head rest 30 × 48 cm	
11	1335000	Bag of stones, 20kg	
12	1335500	Sauna cleaning kit	
	1332005	Essential oil, Eucalyptus, sauna, 500 ml - Respiration	
	1332015	Essential oil, Orient, sauna, 500 ml - Uplifting	
	1332025	Essential oil, Lavander, sauna, 500 ml - Relaxing	
13	1332035	Essential oil, Elinya, sauna, 500 ml - Slimming	

•The device can be plugged into a single phase or triphase power source

A photograph of a swimmer in a pool, wearing a blue swim cap and goggles, swimming towards the camera. The water is clear and blue, with lane lines visible. The overall image has a blue and teal color cast.

BWT COMMERCIAL POOLS & SPAS

13

Commercial pools & spas

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POOL FITTINGS:

Standard NF EN 60598-1 April 2015: Light fittings, general requirements and test methods.
 Standard NF EN 60598-2-5 February 2016: Light fittings. Requirements specific to underwater lights.
 Standard NF EN 60598-2-18+A1 February 2016 : Light fittings. Specific requirements. Light fittings for pools and similar uses.
 Standard NF EN 16713-2 April 2016: Private family pools. Water distribution systems. Part 2. Circulation systems. Requirements and test methods.
 Standard NF EN 13451-3 November 2011: Safety requirements and test methods specific to suction and return fittings for water features equipped with water/ air introduction and extraction.
 Agreement AFNOR AC P90-32 : Pool fittings (previously DTP N°8).

FILTERS:

Directive 97/23/EC: Pressure equipment.
 Standard NF EN 16713-1 April 2016 : Private family pools. Water distribution systems. Filtration systems. Requirements and test methods.
 Standard NF EN 16713-2 April 2016 : Private family pools. Water distribution systems. Circulation systems. Requirements and test methods.

PUMPS & ELECTRICAL PANELS:

Directive 2005/88/EC: The Noise Emission directive.
 Standard NF EN 60335-1 May 2013 : Safety of household electrical appliances. General requirements.
 Standard NF EN 60335-2-41+A1+A2 July 2010: Safety requirements concerning household pumps
 Directive 2014/35/EU: the Low Voltage directive .
 Directive 2011/65/EU: RoHS 2 / Reduction of Hazardous Substances in electrical and electronic devices.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity.
 Directive 2014/30/EC: Electromagnetic compatibility.
 Standard NF EN 61000-6-1 July 2015: Electromagnetic compatibility. Immunity for residential, commercial and light-industrial environments.
 Standard NF EN 61000-6-3 July 2015: Electromagnetic compatibility. Emissions in residential, commercial and light-industrial environments.

ACCESSORIES:**LADDERS AND HAND-RAILS:**

Standard NF EN 16582-1 October 2015: Private family pools. Part 1. General safety requirements and test methods.
 Standard NF EN 16582-2 October 2015: Private family pools. Part 2. General safety requirements and test methods for in-ground pools.
 Standard NF EN 16582-3 October 2015: Private family pools. Part 3. General safety requirements and test methods for above-ground pools.
 Standard NF EN 13451-2 February 2016: Commercial pool equipment. Part 2. Safety requirements and test methods specific to ladders and hand-rails

BOOSTER PUMPS:

Standard NF EN 60335-1 May 2013: Safety of household electrical appliances. General requirements.
 Directive 2011/65/EU: RoHS 2 / Reduction of Hazardous Substances in electrical and electronic devices.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 January 2009 : Electromagnetic compatibility. Part 2. Immunity.
 Directive 2014/30/EC: the Electromagnetic Compatibility directive.
 Directive 2006/42/EC: the Machine directive.
 Directive 2014/35/EU: the Low Voltage directive .
 Counter-swim units
 Directive Technique Piscine or DTP N°12: Counter-swim units.
 Standard NF EN 13451-1 November 2011 : Commercial pool equipment. Part 1. General safety requirements and test methods.

PVC-P WATERPROOFING MEMBRANES/

Standard NF EN 15836-1 August 2010: Homogeneous membranes of thickness greater than or equal to 0.75 mm.
 Standard NF EN 15836-2 August 2010: Reinforced membranes of thickness greater than or equal to 1.50 mm.
 Standard NF T54-802 April 2010: Guide for laying, replacement, use and maintenance of a liner (Previously DTP N°3).
 Standard NF T54-804 February 2008: Guide for laying, replacement, use and maintenance of a reinforced membrane (Previously DTP N°3).

AUTOMATIC COVERS:

Standard NF EN 16582-1 October 2015 : Private family pools. Part 1. General safety requirements and test methods.
 Standard NF EN 16582-2 October 2015: Private family pools. Part 2. Safety requirements and test methods specific to in-ground pools.
 Standard NF EN 16582-3 October 2015: Private family pools. Part 3. Safety requirements and test methods specific to above-ground pools.
 Standard NF P90-308 December 2013: Safety covers and fastening mechanisms.

SOFT, SAFETY & WINTER COVERS:

Standard NF P90-307-1 April 2009: Pool alarms.
 Standard NF P90-307-2 November 2005: Pool alarms.
 HEATING & DEHUMIDIFICATION:
 Standard NF EN 60335-1 May 2013: Safety of household electrical appliances. General requirements.
 Directive 2014/35/EU: the Low Voltage directive .
 Directive 2011/65/EU: RoHS 2 / Reduction of Hazardous Substances in electrical and electronic devices.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity.
 Directive 2014/30/EC: the Electromagnetic Compatibility directive.
 Directive 2006/42/EC: the Machine directive.
 Directive 97/23/EC: the Pressure Equipment directive.
 Eu regulation 517-2014: the F-Gas regulation.
 Standard NF EN 378-2+A2 July 2012: Heat pumps and refrigeration systems. Part 2. Design, construction, tests, marking and documentation.
 Standard NF EN 378-4+A1 July 2012: Heat pumps and refrigeration systems. Environmental safety requirements. Part 4. Operation, maintenance, repair and recuperation.
 Decree 2006-1099 dated August 31st: Neighbourhood noise abatement.
 Agreement AFNOR AC P90-327: Heating (Previously DTP N°10).

ELECTRIC ROBOTS:

Standard NF EN 60335-1 May 2013: Safety of household electrical appliances. General requirements.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity.
 Directive 2014/30/EC: the Electromagnetic Compatibility directive.

CL/ PH REGULATION AND ELECTROLYSERS:

Standard NF EN 60335-1 May 2013: Safety of household electrical appliances. General requirements.
 Directive 2014/35/EU: the Low Voltage directive.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity.
 Directive 2014/30/EC: the Electromagnetic Compatibility directive.
 Directive Technique Piscine or DTP N°15: The electro-chlorination systems used for the treatment of pool water.

SPAS:

Directive 2014/35/EU: the Low Voltage directive .
 Directive 2014/30/EC: the Electromagnetic Compatibility directive.
 Directive 2011/65/EU: RoHS 2 / Reduction of Hazardous Substances in electrical and electronic devices.
 Standard NF EN 60335-1 May 2013: Safety of household electrical appliances. General requirements.
 Standard NF EN 60335-2-60 +A1+A2+A11+A12 July 2010: Household devices. Regulations specific to Spas.
 Standard NF EN 55014-1+A2 February 2012: Electromagnetic compatibility. Part 1. Emission.
 Standard NF EN 55014-2+A2 July 2015: Electromagnetic compatibility. Part 2. Immunity

EXAMPLES OF PROJECTS COMPLETED IN FRANCE & ABROAD

Procopi offers the technical means and know-how you need to position yourself, risk-free, on the commercial pool market.

Procopi provides everything you need to build a commercial pool. Every component of the installation complies with the specific restrictions currently imposed by French regulations governing commercial installations: filtration, pumps, water treatment systems, electrical equipment, pipe fittings and accessories.

Procopi has developed its own range of sand filters specifically for commercial installations, Python Polar filters. These bobbin-wound filters are the reference for commercial pools.



Ukraine, Odessa
Aquapark Poseidon
650 m³
3 PP-2000 filters



Ivory Coast, Abijan
Lycée Jean Mermoz
700 m³
3 PP-1600 filters



United Arab Emirates, Dubaï
Dolphinarium, 3400 m³ Intercommunal
6 PP-2000 filters



Guadeloupe, Basse-Terre
Intercommunal pool
Olympic sized 25x50m
5 filtres PP-2350



French Polynesia, Bora Bora
Hotel Intercontinental
Main pool
600m³
3 PP-2350 filters



France, Erquy (22)
Camp site Les Pins
600m³/h
4 PP-2350 filters



Cyprus, Ayia Napa
Olympic Lagoon Resort – Ayia Napa
15 SP-1200 filters
7 pools, one olympic sized



Qatar, Doha
Sports City Lagoon
20 filtres PP-1400
Artificial lake



AN EXPERT DESIGN OFFICE AT YOUR SERVICE

Procopi's design office has the people, the skills and the tools necessary to correctly size air and water ductwork, and precisely calibrate equipment for commercial swimming pools: a multi-discipline team of hydraulic, aerualic, chemical and electro-mechanical engineers are at your service.

Procopi is in a position to propose studies that cover every component of the pool, as well as global solutions that optimise the consumption of energy while respecting the standards in effect



Hydraulics: renowned experts

At Procopi, hydraulic sizing studies place energy savings at the very heart of your construction or renovation project. These studies also calculate the exact lengths and cross sections of pipework necessary to optimise the operation of your installations.

Hydraulic studies also calculate the filtration pump power required for a perfect flow of water, in total compliance with regulations in effect.

Filtration: specialists in quality solutions

Over the last few years, new types of filter media have appeared on the market; Procopi built a test bench, unique in Europe, to assess and compare the efficiency of these new materials. This innovative equipment, coupled with the wealth knowledge gained, has ensured Procopi's place as a recognised specialist in filtration.

Procopi offers a range of filters designed for optimal hydraulic efficiency and perfectly adapted to the constraints of commercial pools. Furthermore, given their lateral free technology, they do not require maintenance.

Safety: sized to your needs

Procopi is one of the few automatic cover manufacturers to offer safety covers for pools up to 25 x 12 m. Ideal for pool protection and for significant savings on pool heating bills.

Water treatment: advice, training and help from seasoned professionals

Procopi offers a comprehensive range of pool chemicals and automatic treatment solutions.

Procopi's design office can provide advice concerning installation, training and the use of procedures, and assistance to resolve water treatment issues.



Contact our design office
+33 2 99 61 24 64
or by e-mail: betech@procopi.com

Heating: Guaranteed Thermal performance

Thermal studies executed by Procopi rely on a calculation core developed in collaboration with the CSTB (Centre Scientifique et Technique du Bâtiment - French centre for science and building technologies).

The application tracks the thermal losses and gains at hourly intervals in order to precisely determine the power necessary to meet the pool's heating demand, and uses this information to deduce the calorific requirement. It integrates detailed performance data of the various heating systems, taking into consideration weather conditions and a large number of parameters concerning the pool, its installation site and its operation.

To meet your needs, PROCOPi offers unique products, equipped with the latest thermodynamic innovations introduced onto the market, notably Power Inverter, and Zubadan heat pumps.

Procopi, The advantages of a French manufacturer: intelligent design and ease of integration

Procopi designs and manufactures the majority of the products that it sells, this means that Procopi can provide you CAD files in dxf format to facilitate integration of the device into your project.

Procopi axes the development of its products around the reduction of load losses, and the optimisation of hydraulic network performance and energy consumption.

For your air and water ductwork studies, call Procopi's design office.

Download your study request form from procopi.com

- Private & commercial pools
- Hydraulic study
- Heating & dehumidification study
- Vigie alarm layout
- Integrated cleaning
- Spa & Steam room
- Commercial electrical panel

You will find these forms in your professional space/[Procopi tools/Study requests/](#)



Air conditioning: the best applications, the best specialists

Procopi is an expert is the sizing of air conditioning units.

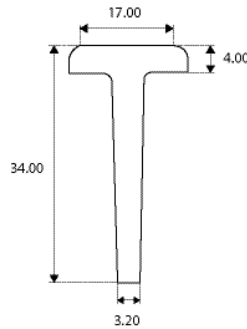
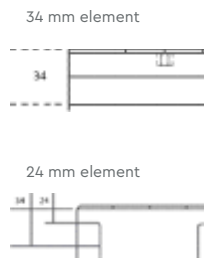
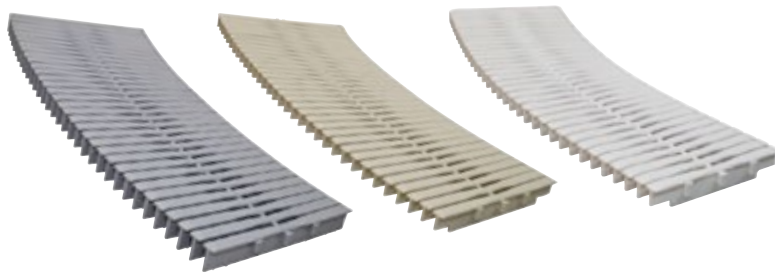
Using purpose developed software that integrates aerulic optimisation, comprehensive, optimised and balanced ductwork diagrams can be drawn up. In addition, by collaborating with the leading air conditioning experts, Procopi offers a range of energy efficient equipment.

intelligent
design and
ease of
integration

OVERFLOW CHANNEL GRATINGS

BWT FLEXIBLE MODULES, 690 MM

Family 2400



Module width	Minimum internal bending radius	Maximum external bending radius
195 mm	415 mm	610 mm
245 mm	521 mm	766 mm
295 mm	627 mm	922 mm
335 mm	712 mm	1047 mm

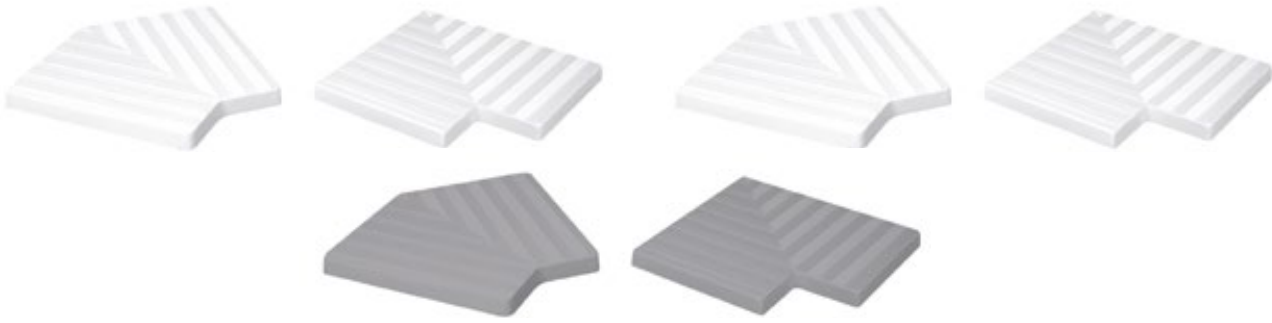
+ The flexible modules described above are 690 mm long and comprise 33 indissociable bars. Grating modules come in a range of 4 widths and 2 heights, 24 or 34 mm. Prices per bar per metre and per 33 bar module are listed below.

For orders of 500 modules or more, the grating modules can be manufactured in other colours (on request).

Code	Description	Price		
		Metre	Bar	Module
Flexible overflow channel grating module, comprised of 33 bars				
White - 24 mm thick				
815312	Module 690 × 195 m. for 200 mm overflow channel. white	30.00	0.63	
815322	Module 690 × 245 m. for 250 mm overflow channel. white	33.33	0.70	
815332	Module 690 × 295 m. for 300 mm overflow channel. white	36.81	0.77	
815342	Module 690 × 335 m. for 340 mm overflow channel. white*	40.14	0.84	
Beige - 24 mm thick				
815512	Module 690 × 195 m. for 200 mm overflow channel. beige	32.46	0.68	
815522	Module 690 × 245 m. for 250 mm overflow channel. beige	35.80	0.75	
815532	Module 690 × 295 m. for 300 mm overflow channel. beige*	39.13	0.82	
815542	Module 690 × 335 m. for 340 mm overflow channel. beige	41.45	0.87	
Grey - 24 mm thick				
815812	Module 690 × 195 m. for 200 mm overflow channel. grey	32.46	0.68	
815822	Module 690 × 245 m. for 250 mm overflow channel. grey	35.80	0.75	
815832	Module 690 × 295 m. for 300 mm overflow channel. grey*	39.13	0.82	
815842	Module 690 × 335 m. for 340 mm overflow channel. grey*	41.45	0.87	
White - 34 mm thick				
815313	Module 690 × 195 m. for 200 mm overflow channel. white	30.29	0.63	
815323	Module 690 × 245 m. for 250 mm overflow channel. white	36.67	0.77	
815333	Module 690 × 295 m. for 300 mm overflow channel. white	37.83	0.79	
815343	Module 690 × 335 m. for 340 mm overflow channel. white*	41.01	0.86	
Beige - 34 mm thick				
815513	Module 690 × 195 m. for 200 mm overflow channel. beige*	33.33	0.70	
815523	Module 690 × 245 m. for 250 mm overflow channel. beige*	40.43	0.85	
815533	Module 690 × 295 m. for 300 mm overflow channel. beige*	41.30	0.86	
815543	Module 690 × 335 m. for 340 mm overflow channel. beige*	42.90	0.90	
Grey - 34 mm thick				
815813	Module 690 × 195 m. for 200 mm overflow channel. grey*	33.33	0.70	
815823	Module 690 × 245 m. for 250 mm overflow channel. grey	40.43	0.85	
815833	Module 690 × 295 m. for 300 mm overflow channel. grey*	41.30	0.86	
815843	Module 690 × 335 m. for 340 mm overflow channel. grey*	42.90	0.90	

BWT 90° AND 45° CORNER PIECES

Family 2400



Description		White		Beige		Grey	
		Code	Price	Code	Price	Code	Price
45° corner, 195 mm for 200 mm overflow channel, thickness 24 mm*	per unit	814352		814552		814852	
45° corner, 245 mm for 250 mm overflow channel, thickness 24 mm*	per unit	814362		814562		814862	
45° corner, 295 mm for 300 mm overflow channel, thickness 24 mm*	per unit	814372		814572		814872	
45° corner, 335 mm for 340 mm overflow channel, thickness 24 mm*	per unit	814382		814582		814882	
45° corner, 195 mm for 200 mm overflow channel, thickness 34 mm*	per unit	814353		814553		814853	
45° corner, 245 mm for 250 mm overflow channel, thickness 34 mm*	per unit	814363		814563		814863	
45° corner, 295 mm for 300 mm overflow channel, thickness 34 mm*	per unit	814373		814573		814873	
45° corner, 335 mm for 340 mm overflow channel, thickness 34 mm*	per unit	814383		814583		814883	
90° corner, 195 mm for 200 mm overflow channel, thickness 24 mm*	per unit	814312		814512		814812	
90° corner, 245 mm for 250 mm overflow channel, thickness 24 mm*	per unit	814322		814522		814822	
90° corner, 295 mm for 300 mm overflow channel, thickness 24 mm*	per unit	814332		814532		814832	
90° corner, 335 mm for 250 mm overflow channel, thickness 24 mm*	per unit	814342		814542		814842	
90° corner, 195 mm for 200 mm overflow channel, thickness 34 mm*	per unit	814313		814513		814813	
90° corner, 245 mm for 250 mm overflow channel, thickness 34 mm*	per unit	814323		814523		814823	
90° corner, 295 mm for 300 mm overflow channel, thickness 34 mm*	per unit	814333		814533		814833	
90° corner, 335 mm for 340 mm overflow channel, thickness 34 mm	per unit	814343		814543		814843	



45° and 90° corner pieces can be manufactured in a variety of colours (on order).

BWT OVERFLOW CHANNEL BARS

Family 2400

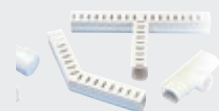


The overflow channel bars described above are sold separately. They come in a range of 4 widths, all bars are 35 mm thick. There are 42 bars in 1 metre of overflow channel grating. Prices per bar and per unit are listed below.

Code	Description	Price	
There are 42 bars in 1 metre of overflow channel grating		per meter	per bar
813313	Bar 195 mm x 35 mm, for 200 mm overflow channel	83.16	
813323	Bar 245 mm x 35 mm, for 250 mm overflow channel	86.52	
813333	Bar 295 mm x 35 mm, for 300 mm overflow channel	91.14	
813343	Bar 335 mm x 35 mm, for 340 mm overflow channel	94.92	

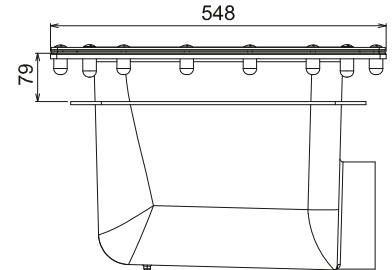
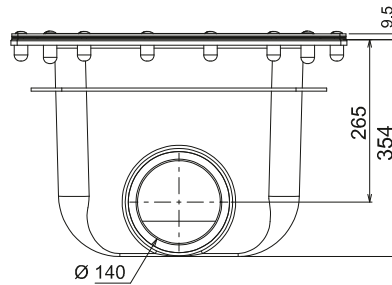


PROCOPI
TOP TIP



Our overflow channels are listed on page 51

High flow rate main drains

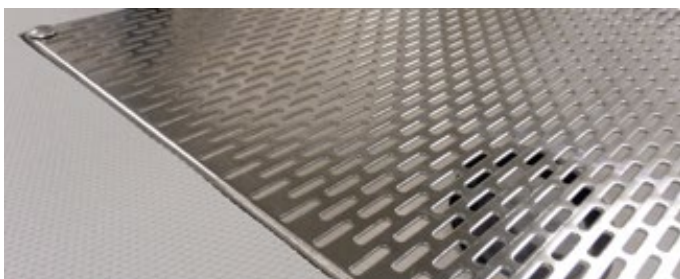


- 1** Raised stainless steel grate allows peripheral suction in the event that the grate is obstructed.
- 2** A4 stainless steel stove head screw to avoid any risk of wounding.
- 3** Anti-capillary lip to ensure a perfect seal (concrete, tiled pool).
- 4** Bactericide impregnated Isophthalic polyester resin to prevent the growth of bacteria and micro-organisms.
- 5** Protective Iso NPG GelCoat on the outer and inner surfaces to ensure leaktightness and prevent the growth of micro-organisms.

Pipe Ø	PN	Through rate in m/s	Flow rate in m ³ /h
75	16	1.5	17.26
90	10	1.5	28.10
90	16	1.5	24.89
110	10	1.5	41.90
110	16	1.5	37.32
140	10	1.5	69.27
140	16	1.5	62.51
160	10	1.5	92.40
160	16	1.5	84.32

Compliant with the French decree dated April 1981

Main drain welded



Technical data:

- High flow rate welded main drains are fitted with a PVC flange for direct welding of a 1.50 mm membrane.
- The PVC flange is attached to the main drain with 20 A4 stainless steel screws.
- The waterproofing membrane is welded directly to the flange to provide a perfect seal and a flawless finish.
- The bottom of the main drain lies flush against the pool floor (no waterproofing flange); it presents no obstacle to cleaning robots or debris drawn into the main drain.

+ Respect the minimum throughput rate of bottom suction fittings (0.5 m/s) stipulated in the French standard EN 13451-3+A1 October 2013. The maximum flow rate of a grating with a throughput of 0.5 m/s is 116.03 m³/h.

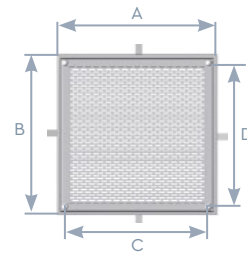
BWT HIGH FLOW RATE MAIN DRAINS AND GRATES 

Family 2090

Technical data:

- Fibreglass reinforced polyester body,
- Body made using Resin Transfer Moulding technology:
- Water tightness of both sides of the main drain,
- A perfect surface on both sides of the main drain body,
- PVC outlet, solvent,

- Stainless steel grating,
- Grating held in position by a brass insert, M8,
- The interior shape of the main drain was designed to facilitate water throughput and limit load losses,
- Anti-capillary lip,
- Capacity: 46 litres.



TECHNICAL DATA:

Dimensions			
A	B	C	D
548	548	444	444

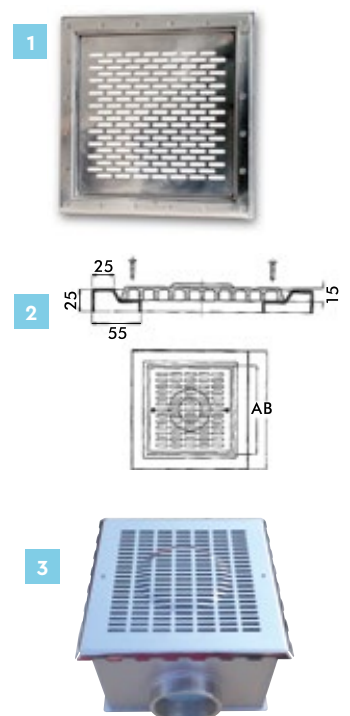
thickness, 12 mm


Code	Description	Price
Square main drains, Welded		
41190000	Square main drain 500 × 500 outlet Ø 75 mm, welded	
41191000	Square main drain 500 × 500 outlet Ø 90 mm, welded	
41192000	Square main drain 500 × 500 outlet Ø 110 mm, welded	
41193000	Square main drain 500 × 500 outlet Ø 140 mm, welded	
41194000	Square main drain 500 × 500 outlet Ø 160 mm, welded	
Square main drains, concrete		
41690000	Square main drain 500 × 500 outlet Ø 75 mm, for concrete pools	
41691000	Square main drain 500 × 500 outlet Ø 90 mm, for concrete pools	
41692000	Square main drain 500 × 500 outlet Ø 110 mm, for concrete pools	
41693000	Square main drain 500 × 500 outlet Ø 140 mm, for concrete pools	
41694000	Square main drain 500 × 500 outlet Ø 160 mm, for concrete pools	
Square main drains, Liner		
41090000	Square main drain 500 × 500 outlet Ø 75 mm, for liner pools	
41091000	Square main drain 500 × 500 outlet Ø 90 mm, for liner pools	
41092000	Square main drain 500 × 500 outlet Ø 110 mm, for liner pools	
41093000	Square main drain 500 × 500 outlet Ø 140 mm, for liner pools	
41094000	Square main drain 500 × 500 outlet Ø 160 mm, for liner pools	
Lid and housing		
41680000	Lid housing for commercial pool main drains, 500 × 500 mm	
41681000	Lid housing for commercial pool main drains, 1000 × 500 mm	

BWT STAINLESS STEEL MAIN DRAINS AND GRATINGS

Family 2090

Code	Description	Maw flow rate (0.5 m/s)	Price
Floor gratings			
8231300	Stainless steel suction grating, 300×300 mm, concrete*	39 m ³ /h	
8231500	Stainless steel suction grating, 400×400 mm, concrete*	69 m ³ /h	
8231700	Stainless steel suction grating, 500×500 mm, concrete*	108 m ³ /h	
8231400	Stainless steel suction grating, 300×300 mm, liner*	39 m ³ /h	
1 8231600	Stainless steel suction grating, 400×400 mm, liner*	69 m ³ /h	
8231800	Stainless steel suction grating, 500×500 mm, liner*	108 m ³ /h	
Anti-vortex grating - DIN Standard			
8234500	SS suction safety grating, 300×300 mm, concrete*	40 m ³ /h	
2 8234600	SS suction safety grating, 400×400 mm, concrete*	80 m ³ /h	
8234700	SS suction safety grating, 500×500 mm, concrete*	140 m ³ /h	
Main drain			
3 8232300	SS main drain, 300×300 mm, concrete, 4" outlet*	59 m ³ /h	
8232500	SS main drain 400×400 mm, concrete, outlet PN125*	78 m ³ /h	
8232400	Stainless steel main drain, 300×300 mm, liner, 4"*	59 m ³ /h	
8232600	Stainless steel main drain, Ø 170 mm, concrete, 2"*	18 m ³ /h	
8232700	Stainless steel main drain, Ø 170 mm, liner 2"*	18 m ³ /h	



 Respect the minimum throughput rate of bottom suction fittings (0.5 m/s)

FLOW RATES AND RECOMMENDATIONS

FLOW RATES FOR PVC PIPES

External pipe diameter (mm)	Maximum recommended flow rate in m ³ /h (Speed 0.5 m/s)		Maximum recommended flow rate in m ³ /h at the suction fitting (Speed 1.5 m/s)		Maximum recommended flow rate in m ³ /h at the return fitting (Speed 2 m/s)	
	PN 10	PN 16	PN 10	PN 16	PN 10	PN 16
25	0.7	0.6	2.1	1.9	2.7	2.5
32	1.1	1.0	3.4	3.1	4.6	4.2
40	1.8	1.6	5.3	4.9	7.0	6.5
50	2.9	2.6	8.7	7.7	11.6	10.3
63	4.6	4.1	13.8	12.2	18.4	16.2
75	6.5	5.8	19.5	17.4	26.0	23.2
90	9.4	8.3	28.1	25.0	37.5	33.4
110	14.0	12.4	41.9	37.3	55.9	49.8
125	18.1	16.1	54.2	48.2	72.2	64.3
140	23.1	21.5	69.3	64.6	92.4	86.1
160	30.8	28.1	92.4	84.3	123.2	112.4
200	48.2	43.9	144.5	131.7	192.7	175.6
225	61.0	55.5	183.1	166.6	244.2	222.1
250	75.3	68.7	225.9	206.0	301.2	274.7

MAXIMUM FILTRATION RATES

Filter diameter	PRIVATE POOLS STANDARD NF EN 16 782-1	COMMERCIAL POOLS MAXIMUM FLOW RATE TO COMPLY WITH REGULATIONS	
	Maximum filtration rate, in m ³ /h, for a throughput of 50 m/h*	Maximum filtration rate, in m ³ /h, for a throughput of 40 m/h*	Maximum filtration rate, in m ³ /h, for a throughput of 30 m/h*
Ø400	6.0	4.8	3.6
Ø500	10.0	8.0	6.0
Ø610	14.0	11.2	8.4
Ø760	22.0	17.6	13.2
Ø920	33.0	26.4	19.8
Ø1050	43.8	35.0	26.3
Ø1200	56.3	45.0	33.8
Ø1400	77.5	62.0	46.5
Ø1600	100.0	80.0	60.0
Ø1800	126.3	101.0	75.8
Ø2000	152.5	122.0	91.5
Ø2350	207.5	166.0	124.5

(*) m³/h per m² of filtration surface area

Screws necessary for assembly with PVC flanges						
Ø solvent	Number of screws	Ø Screw (mm)	Screw length for a Flange/ Flange assembly (no equipment between the two flanges) (mm)	Screw length for a Flange/ PVC butterfly valve assembly PVC/ Flange (mm)	Screw length for a Flange/ Double flap cast iron valve assembly / Flange (mm)	Screw length for a Flange/ SS or steel flap/ Flange (mm)
75	4	16	90	150	150	110
90	8	16	90	150	160	110
110	8	16	100	170	170	120
125	8	16	110			
140	8	16	110	170	190	130
160	8	20	130	210	210	150
200	8	20	150			
225	8	20	150	240	250	190
250	8	20	150			

Table showing the correspondence between nominal diameters (DN) and the outside diameters (solvent weld diameters) for PVC pipes

Nominal Diameter (ND) (mm)	Outside diameter (solvent weld diameter) (mm)
100	110
-	125
125	140
150	160
-	200
200	225
-	250

+ 0.5 m/s: Below this speed, there is a build up of deposits on the pipe walls.
1.5 m/s: Maximum recommended speed at the suction fittings to prevent cavitation in the pump.
2 m/s: Maximum recommended speed at the return fitting to reduce load loss.
3 m/s: Above this speed, the system is prone to vibration

HIGH PRESSURE PVC PIPE FITTINGS

Family 5650



90° elbow, solvent

Code	Ø	Price
1340110	in Ø 110	
1340125	in Ø 125*	
1340140	in Ø 140*	
1340160	in Ø 160*	
1340200	in Ø 200*	
1340225	in Ø 225*	
1340250	in Ø 250*	
1340315	in Ø 315*	



45° elbow, solvent

Code	Ø	Price
1342110	in Ø 110	
1342125	in Ø 125*	
1342140	in Ø 140*	
1342160	in Ø 160*	
1342200	in Ø 200*	
1342225	in Ø 225*	
1342250	in Ø 250*	
1342315	in Ø 315*	



Adapter socket, female, solvent

Code	Ø	Price
1372110	in Ø 110	
1372125	in Ø 125*	
1372140	in Ø 140*	
1372160	in Ø 160*	
1372200	in Ø 200*	
1372225	in Ø 225*	
1372250	in Ø 250*	
1372315	in Ø 315*	



Cap, female, solvent

Code	Ø	Price
1382110	in Ø 110	
1382125	in Ø 125*	
1382140	in Ø 140*	
1382160	in Ø 160*	
1382200	in Ø 200*	
1382225	in Ø 225*	
1382250	in Ø 250*	



Equal Tee, female, solvent

Code	Ø	Price
1348110	in Ø 110	
1348125	in Ø 125*	
1348140	in Ø 140*	
1348160	in Ø 160*	
1348200	in Ø 200*	
1348225	in Ø 225*	
1348250	in Ø 250*	
1348315	in Ø 315*	



Flange

Code	Ø	Price
1384110	in Ø 110	
1384125	in Ø 125*	
1384140	in Ø 140*	
1384160	in Ø 160*	
1384225	in Ø 225	
1384250	in Ø 250*	
1384315	in Ø 315*	



Collar

Code	Ø	Price
1386110	in Ø 110	
1386125	in Ø 125*	
1386140	in Ø 140*	
1386160	in Ø 160*	
1386225	in Ø 225	
1386250	in Ø 250*	
1386315	in Ø 315*	



Seal

Code	Ø	Price
1388110	in Ø 110	
1388125	in Ø 125*	
1388140	in Ø 140*	
1388160	in Ø 160*	
1388200	in Ø 200*	
1388225	in Ø 225*	
1388250	in Ø 250*	

BOLT= SCREW + NUT

Family 5650

+ Nuts and bolts are made of zinc plated steel, stainless steel is available on request



Ø in mm											
		90	100	110	120	140	160	170	200	220	240
16	CodePrice	1390090	1390100	1390110	1390120	1390140	1390160	1390170	-	-	-
20	CodePrice	-	-	-	-	1391140	1391160	-	1391200	1391220	1391240

WASHERS, RODS AND NUTS

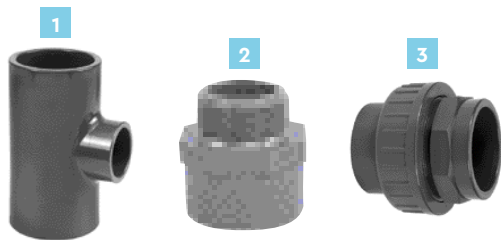
Family 5650

Code	Description	Packaging	Price per unit
1391416	Flat washer Ø 16	1	
1391420	Flat washer Ø 20	1	
1391516	Threaded rod M16 × 1000 mm	1	
1391520	Threaded rod M20 × 1000 mm	1	
1391620	Nut Ø 20	1	



HIGH PRESSURE PVC PIPE FITTINGS

Family 5650



	Code	Description	Price
1	1352110	Reducing Tee, solvent 110 x 50 x 110	
	1352111	Reducing Tee, solvent 110 x 63 x 110	
	1352112	Reducing Tee, solvent 110 x 75 x 110	
	1352113	Reducing Tee, solvent 110 x 90 x 110	
	1352140	Reducing Tee, solvent 140 x 75 x 140*	
	1352141	Reducing Tee, solvent 140 x 90 x 140*	
	1352142	Reducing Tee, solvent 140 x 110 x 140*	
2	1366110	Threaded Nipple 110 x 4"	
3	1356110	3 Piece adaptor union, solvent - 110 mm	

Code	Description	Price
1376150	Reducing socket, solvent 110 x 50	
1376163	Reducing socket, solvent 110 x 63	
1376110	Reducing socket, solvent 110 x 90	
1378125	Reducing socket, solvent 125 x 90*	
1376125	Reducing socket, solvent 125 x 110*	
1375110	Reducing socket, solvent 140 x 110*	
1376140	Reducing socket, solvent 140 x 125*	
1375160	Reducing socket, solvent 160 x 110*	
1378160	Reducing socket, solvent 160 x 125*	
1376160	Reducing socket, solvent 160 x 140*	
1375200	Reducing socket, solvent 200 X 140*	
1376200	Reducing socket, solvent 200 x 160*	
1377225	Reducing socket, solvent 225 x 160*	
1377200	Reducing socket, solvent 225 x 200*	
1377250	Reducing socket, solvent 250 x 200*	
1377255	Reducing socket, solvent 250 x 225*	
1377265	Reducing socket, solvent 315 x 225*	
1377260	Reducing socket, solvent 315 x 250*	
1368110	Female socket, tapped - 110 mm x 4"	

+
PROCOPI TOP TIP

Our small diameter fittings are listed on page 59



90° ELBOWS, SOLVENT - LARGE RADIUS

Family 5650



Code	Description	PN	Price
1346110	90° elbow, large radius, female/female, solvent 110 mm*	10	
1346140	90° elbow, large radius, female/female, solvent 140 mm*	16	
1346160	90° elbow, large radius, female/female, solvent 160 mm*	16	
1346200	90° elbow, large radius, female/female, solvent 200 mm*	16	
1346225	90° elbow, large radius, female/female, solvent 225 mm*	16	
1346250	90° elbow, large radius, female/female, solvent 250 mm*	16	

+
PROCOPI TOP TIP

Our glues, strippers are listed on page 70

+
PROCOPI TOP TIP

Our new glue for rigid PVC, UNI-100GT, ideal for large diameter fittings, page 71

PIPE CLIPS & SPACERS

Family 5650

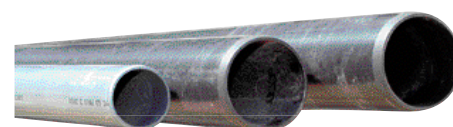
Code	Description	Price
1395110	Pipe clips for Ø 110 pipe	per unit
1395140	Pipe clips for Ø 140 pipe*	per unit
1395160	Pipe clips for Ø 160 pipe*	per unit
1395200	Pipe clips for Ø 200 pipe*	per unit
1395225	Pipe clips for Ø 225 pipe*	per unit
1395250	Pipe clips for Ø 250 pipe*	per unit
Pipe clip spacers		
1395119	Spacer for Ø 110 pipe clips	per unit



PVC PIPES

Family 5650

Code	Description	Price
1422110	Rigid PVC pipe Ø 110, 10 bar	6 m bar, per m
1422125	Rigid PVC pipe Ø 125, 10 bar*	6 m bar, per m
1422140	Rigid PVC pipe Ø 140, 10 bar*	6 m bar, per m
1422160	Rigid PVC pipe Ø 160, 10 bar*	6 m bar, per m
1422200	Rigid PVC pipe Ø 200, 10 bar*	6 m bar, per m
1422225	Rigid PVC pipe Ø 225, 10 bar*	6 m bar, per m
1422250	Rigid PVC pipe Ø 250, 10 bar*	6 m bar, per m
1422315	Rigid PVC pipe Ø 315, 10 bar*	6 m bar, per m



+
PROCOPI TOP TIP

Our small diameter fittings are listed on page 63



FUNCTIONAL ACCESSORIES

1/4 TURN PVC VALVES

Family 5800



Code	Description	Price
	1/4 turn double union valve	
1410110	1/4 turn double union valve, solvent, 110 mm	


CAST IRON FLANGED BUTTERFLY VALVES

Family 5800



Code	Description	DN	Ø	Price
1416075	Cast iron butterfly valve*	65	75	
1416090	Cast iron butterfly valve*	80	90	
1416110	Cast iron butterfly valve*	100	110	
1416140	Cast iron butterfly valve*	125	140	
1416160	Cast iron butterfly valve*	150	160	
1416225	Cast iron butterfly valve*	200	225	

With ribbed hand grip: composite or cast iron.

+	PROCOPI TOP TIP	Our small diameter valves are listed on page 68	
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PVC FLANGED BUTTERFLY VALVES

Family 5800



Code	Description	DN	Ø	Price
1415075	PVC butterfly valve	65	75	
1415090	PVC butterfly valve	80	90	
1415110	PVC butterfly valve	100	110	
1415140	PVC butterfly valve	125	140	
1415160	PVC butterfly valve	150	160	
1415225	PVC butterfly valve	200	225	
1415250	PVC butterfly valve	230	250	
1415315	PVC butterfly valve	300	315	

SOLENOID VALVES

Family 2300



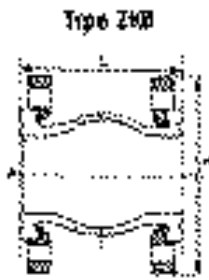
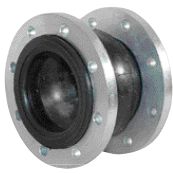
Use: water supply – Working pressure 0.7 to 13.8 bar.

Code	Description	Price
817110	Plastic electrovalve, 24 V - 1" - Length 13 cm*	
817120	Plastic electrovalve, 24 V - 1"1/2 - Length 13.5 cm*	
817130	Plastic electrovalve, 24 V - 2" - Length 21 cm*	
817140	Plastic electrovalve, 24 V - 3" - Length 23 cm*	

+	Electrovalves are only watertight in their closed position if there is a minimum pressure difference of 0.7 bar between the electrovalve inlet and outlet.
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ANTI-VIBRATION SOCKET

Family 5600



DN	A mm	H mm	L mm	Kg
50	52	165	105	3.86
65	68	185	115	5.45
80	76	200	130	6.50
100	103	220	135	7.00
125	128	250	170	11.00
150	152	285	180	14.00
200	194	340	205	20.91

Code	Description	Price
1389063	Flanged anti-vibration socket, PN50*	
1389075	Flanged anti-vibration socket, PN65*	
1389090	Flanged anti-vibration socket, PN80*	
1389110	Flanged anti-vibration socket, PN100*	
1389140	Flanged anti-vibration socket, PN125*	
1389160	Flanged anti-vibration socket, PN150*	
1389225	Flanged anti-vibration socket, PN200*	

PVC CHECK VALVE

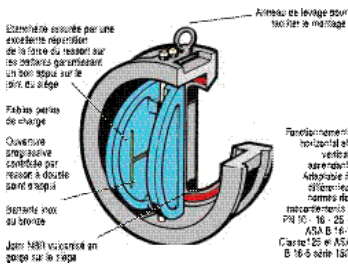
Family 5650

Code	Description	Price
1394111	Y shape PVC Check Valve, solvent, Ø 110	



CAST IRON, 316 L STAINLESS STEEL AND STEEL CHECK VALVES

Family 5650



+ PROCOPI TOP TIP

Small diameter check valves are listed on page 68

Description	Code		Code		Code	
	Cast iron dual flapper	Price	316 L SS flapper valve	Price	Steel flapper	Price
Check valve, PN 100*	1396075		1393076		1392075	
Check valve, PN 80*	1396090		1393091		-	
Check valve, PN 100*	1396110		1393111		1392110	
Check valve, PN 125*	1396140		1393141		1392140	
Check valve, PN 150*	1396160		1393161		1392150	
Check valve, PN 200*	1396225		1393226		1392200	

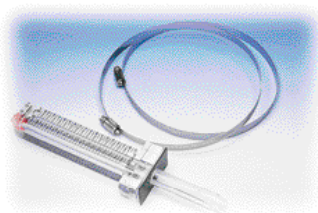
+ PROCOPI TOP TIP

Our functional earth accessories are listed on page 61

TEST ACCESSORIES

PITOT TUBE FLOWMETERS

Family 2310



Code	Reference	Description	m ³ /h	Price
804200	3150 P	Flowmeter for pipe Ø 50	4 to 16	
804400	3200 P	Flowmeter for pipe Ø 63	5 to 31	
804600	3250 P	Flowmeter for pipe Ø 75	13 to 42	
804800	3300 P	Flowmeter for pipe Ø 90	18 to 54	
805000	3400 P	Flowmeter for pipe Ø 110	33 to 120	
805200	3600 P	Flowmeter for pipe Ø 160	60 to 228	
805400	3800 P	Flowmeter for pipe Ø 225	110 to 432	

Flow meters must be mounted on straight pipes with a cross section suited to the size of the flow meter. No elbows or accessories should be located within a distance equal to 4 times the PN downstream and 10 times the PN upstream. Do not use outside its read out range.

DIGITAL FLOW METERS

Family 2310



Display in m³/h.

Code	Description	m ³ /h	Price
805500	Digital flow meter, pipe Ø 50 – PN10	4.2 to 42	
805600	Digital flow meter, pipe Ø 63 – PN10	6.6 to 66	
805700	Digital flow meter, pipe Ø 90 – PN10	13.8 to 138	
805800	Digital flow meter, pipe Ø 110 – PN10	21 to 210	
805900	Digital flow meter, pipe Ø 160 – PN10	43 to 430	
806000	Digital flow meter, pipe Ø 225 – PN10	70 to 700	

Element mounted on the hydraulic circuit	Flange	Reducer	Elbow 90°	two 90° elbows (1 Direction)	two 90° elbows (2 Directions)	Pump
Minimum straight pipe length before the flow meter	10 X Ø	15 X Ø	20 X Ø	25 X Ø	40 X Ø	50 X Ø
Minimum straight pipe length after the flow meter	5 X Ø	5 X Ø	5 X Ø	5 X Ø	5 X Ø	5 X Ø

BACKFLOW PREVENTERS

Family 2310



Code	Description	DN	Price
800200	Backflow preventer, 20/27 with strainer	20	
800400	Backflow preventer, 26/34 with strainer	25	
800600	Backflow preventer, 33/42 with strainer*	32	
800800	Backflow preventer, 40/49 with strainer*	40	
801000	Backflow preventer, 50/60 with strainer*	50	

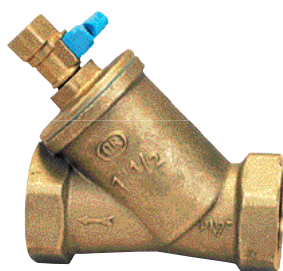
(* item available on order and subject to a 30% deposit.



Backflow preventers come with a bronze water filter and two unions, but no stop valves

STRAINERS

Family 2310



Code	Description	Price
Bronze strainers – 500 microns		
816110	Strainer Y222P – 3/4"	
816120	Strainer Y222P – 1"	
816130	Strainer Y222P – 1"1/4	
816140	Strainer Y222P – 1"1/2	
816150	Strainer Y222P – 2"	
PVC Strainers		
816550	Strainer, solvent, Ø 50mm	
816563	Strainer, solvent, Ø 63mm	
816575	Strainer, solvent, Ø 75mm	
816590	Strainer, solvent, Ø 90mm	

WATER METER

Family 2310

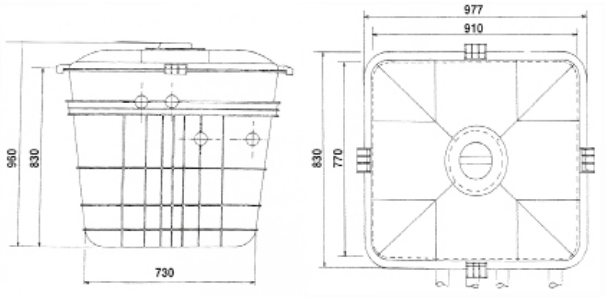
	Code	Description	DN	Price
1	802200	Water meter with 2 unions, 20/27	15	
	802400	Water meter with 2 unions, 26/34	20	
2	802600	Water meter with 2 unions, 33/42	25	
	802800	Water meter with 2 unions, 40/49	32	
	803000	Water meter with 2 unions, 50/60	40	
Flanged water meters				
3	803065	Flanged water meter PN 65	65	
	803080	Flanged water meter PN 80	80	



BALANCE TANK

Family 2310

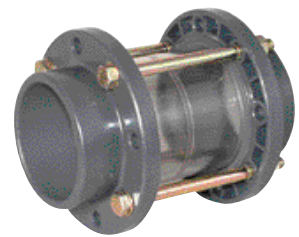
	Code	Description	Price
4	801600	Balance tank 500 litres, separate	
5	801500	1"1/4 float valve with plastic ball	



SIGHT GLASSES

Family 5650

Code	Description	Price
1389064	Sight glass Ø 63	
1389076	Sight glass Ø 75	
1389091	Sight glass Ø 90	
1389111	Sight glass Ø 110	
1389141	Sight glass Ø 140	
1389161	Sight glass Ø 160	
1389226	Sight glass Ø 225	



PRESSURE GAUGES AND SAMPLING

Family 2310, 5650

Code	Description	Price
Adjustable pressure gauges		
6	Valve kit with 2 pressure gauges and sampling points	
Sampling		
7	1/2" x 20 sampling valve	



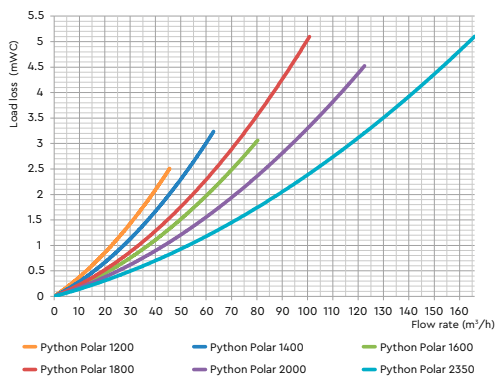


- Smooth, anti-bacterial inner surface for more hygienic filtration.
- The design of the interior components (diffuser and deflector system), the very best in hydraulic optimisation, ensures extremely low load loss.
- Python Polar filters create 50% less load loss than equivalent SIDE models.
- This means that a less powerful pump can be used, which leads to significant energy savings.
- Diameter 1200 to 2350 mm

Technical data:

- Wound filter with fibreglass reinforced polyester lining,
- Assembled with PVC headers and diffusers,
- Polar inlet and outlet,
- 2 inspection ports on the base plate,
- Drain Ø 50 mm,
- Rose diffuser, no laterals to replace during the service life of the filter
- Guarantee 10 years on the filter tank,
- Max operating pressure: 2.5 bar,
- Static test pressure: 3.75 bar,
- Filters with a maximum operating pressure of 4 bar are available on request,
- Filters compatible with ozone treatment are available on request,
- Compatible with saline water,
- All the filters are fitted with a Ø 333 mm man-hole and a polyester base.

Python Polar load loss with filter media



Operating pressure 2.5 bar
Test pressure 3.75 bar

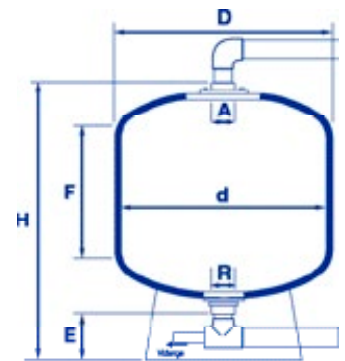
Operating pressure 4 bar

Description	Connection in mm	Code	Price	Operating pressure 4 bar	
				Code	Price
Filter PP-1200	110	8003700		contact us	
Filter PP-1400	110	8004200		8004201	
Filter PP-1600	140	8004800		8004801	
Filter PP-1800	140	8005200		8005201	
Filter PP-2000	160	8005800		8005801	
Filter PP-2350	160	8006200		8006201	
Filter PP-2350	225			contact us	



Other connection diameters are available on request.

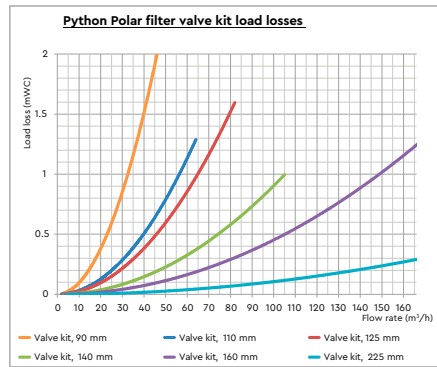
	PP-1200	PP-1400	PP-1600	PP-1800	PP-2000	PP-2350
Flow rate at 30 m ³ /h/m ²	34	46	60	76	92	124
Flow rate at 35 m ³ /h/m ²	40	54	70	89	107	145
Flow rate at 40 m ³ /h/m ²	45	62	80	101	122	166
D – Outer diameter (mm)	1225	1425	1625	1820	2000	2320
d – Inner diameter (mm)	1200	1400	1600	1795	1975	2295
S – Filtration surface area (m ²)	1,13	1,54	2,01	2,53	3,06	4,14
H – Overall height (mm)	1580	1710	2060	2250	2160	2620
F – Tank height (mm)	650	555	745	880	800	1100
E – Height at outlet (mm)	215	220	287	355	344	358
A – Inlet diameter (mm)	110	110	140	140	160	160–225
R – Outlet diameter (mm)	110	110	140	140	160	160–225
Necessary room height (mm)	1870	2000	2390	2580	2520	2980
Height, bottom outlet – ground (mm)	91	96	138	206	175	189
Outlet interaxial distance (mm)	1610	1735	2069	2191	2155	2601
Weight of empty filter (kg)	140	195	228	290	370	410
Weight of filter medium (kg)	1150	1650	2425	3375	4250	7200
Total weight with media (kg)	1870	2660	3900	5375	6750	10200
Maximum operating pressure (bar)	2.5	2.5	2.5	2.5	2.5	2.5
Test pressure (bar)	3.75	3.75	3.75	3.75	3.75	3.75
Upper diffuser	Deflector					
Rose diffuser	YES					
Man hole Ø 330	YES					
Polyester base plate	YES					



Comment: a 100 mm margin is allowed for the ceiling height

BWT PYTHON POLAR VALVE KITS

Family 1150, 1950 and 2310



Description							
		Polar valve kit with 5 cast iron butterfly valves with SS disks		Polar valve kit with 5 PVC butterfly valves with PVC disks		Motorised valve kit with 5 PVC valves	
Connection in mm	Code	Price	Code	Price	Code	Price	
Ø 90	8092000		8092050		8092010		
Ø 110	8092500		8092550		8092510		
Ø 125	8093000		8093050		-		
Ø 140	8093500		8093550		8093510		
Ø 160	8094000		8094050		8094010		
Ø 225	8095000		8095050		8095010		

+ Valve kits come with zinc-plated steel nuts and bolts (stainless steel on request), the full kits are delivered pre-assembled. They come without the sight glass or the pressure gauge. The installer is responsible for assembly and glueing



Code	Description	Connection in mm	Price
Accessories			
1	8091900 Valve kit support, 110	Ø 110	
	8091910 Valve kit support, 140	Ø 140	
	8091920 Valve kit support, 160	Ø 160	
	8091930 Valve kit support, 225	Ø 225	
2	811400 Valve kit with 2 pressure gauges and sampling points	-	

Manual mode:

- This mode enables intervention on the valve assembly and the filtration pump.

Automatic mode:

- This mode automatically manages the pump and the various valve movements required for back-washing and rinsing.
- The duration of the sequences can be selected by the user.
- Control panel dimensions: 600 mm x 400 mm x 200 mm

3 Valve kit automatic control panel

- This control panel is designed to control a 2-way motorised valve kit equipping a commercial or public pool filter. The nominal diameter of the valves is not limited, however; the electrical power consumed by the valves' motor should not exceed 80 W.
- The control panel can manage up to 5 motorised valves.

Code	Description	Price
3	698100 Valve kit control panel	

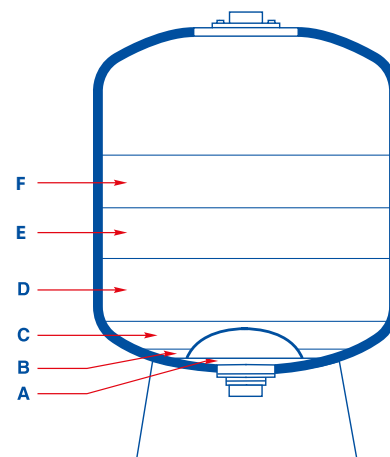
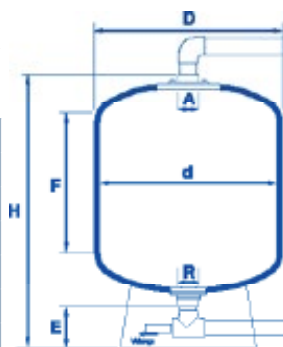


- Smooth, anti-bacterial inner surface for more hygienic filtration,
- The design of the interior components (diffuser and deflector system), the very best in hydraulic optimisation, ensures extremely low load loss,
- Python Polar EH filters create 50% less load loss than equivalent SIDE models.
- This means that a less powerful pump can be used, which leads to significant energy savings.
- Diameter 1200 to 2350 mm.

Technical data:

- Wound filter with fibreglass reinforced polyester lining,
- Assembled with PVC headers and diffusers,
- Polar inlet and outlet,
- 2 inspection ports on the base plate,
- Drain Ø 50 mm,
- Rose diffuser,
- Guarantee 10 years on the filter tank
- Maximum operating pressure: 2.5 bar,
- Static test pressure: 3.75 bar
- The filter height can be adjusted to suit the ceiling height in the plant room,
- Filters with a maximum operating pressure of 4 bar are available on request,
- Filters compatible with ozone treatment are available on request,
- Compatible with saline water,
- All the filters are fitted with a Ø 333 mm man-hole and a polyester base.

Python Polar EH			
Description	Connection in mm	Code	Price
Filter PP-1200	110	8003710	
Filter PP-1400	110	8004210	
Filter PP-1600	140	8004810	
Filter PP-1800	140	8005210	
Filter PP-2000	160	8005810	
Filter PP-2350	160	8006210	
Filter PP-2350	225	-	



	PP-1200	PP-1400	PP-1600	PP-1800	PP-2000	PP-2350
Flow rate at 30 m ³ /h/m ²	34	46	60	76	92	124
Flow rate at 35 m ³ /h/m ²	40	54	70	89	107	145
Flow rate at 40 m ³ /h/m ²	45	62	80	101	122	166

D - Outer diameter (mm)	1225	1425	1625	1820	2000	2320
d - Inner diameter (mm)	1200	1400	1600	1795	1975	2295
S - Filtration surface area (m ²)	1.13	1.54	2.01	2.53	3.06	4.14
H - Overall height (mm)	2030	2255	2415	2470	2460	2620
F - Tank height (mm)	1100	1100	1100	1100	1100	1100
E - Height at outlet (mm)	215	220	287	355	344	358
A - Inlet diameter (mm)	110	110/140	140	160	225	225
R - Outlet diameter (mm)	110	110/140	140	160	225	225
Necessary room height (mm)	2315	2540	2740	2795	2815	2975
Height, bottom outlet - ground (mm)	91	96	138	206	175	189
Outlet interaxial distance (mm)	2060	2280	2424	2411	2455	2601
Weight of empty filter (kg)	150	210	248	315	400	410
Weight of filter medium (kg)	1875	2525	3350	4275	5150	7500
Total weight with media (kg)	2025	2735	3598	4590	5550	7910
Maximum operating pressure (bar)	2.5	2.5	2.5	2.5	2.5	2.5
Test pressure (bar)	3.75	3.75	3.75	3.75	3.75	3.75
Upper diffuser	Deflector					
Rose diffuser	YES					
Man hole Ø 330	YES					
Polyester base plate	YES					

Comment: A margin of approximately 100 mm is allowed for the necessary room height.

+ Weight of the filter media layers for the EH filter (in Kg)

	PP 1200	pp 1400	pp 1600	pp 1800	pp 2000	pp 2350
A	50	50	50	50	50	50
B	50	50	100	125	150	250
C	150	175	275	350	450	800
D	350	475	625	800	975	1350
E	825	1150	1500	1925	2375	3325
F	450	625	800	1025	1250	1725
Total weight	1925	2575	3400	4325	5300	7550

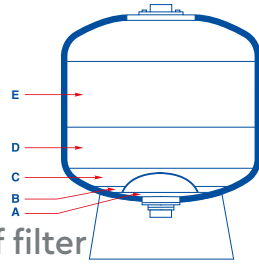
Grain size	
A flint	40 - 80
B flint	20 - 40
C flint	9 - 18
D flint	2 - 4
E flint	0.6 - 1.25
F hydro-anthracite	1.4 - 2.5

+ Transport costs will apply, please enquire
Other connection diameters are also available on request.

FILTRATION MEDIUM, 5 LAYERS, FOR PYTHON POLAR

Family 610

+ Pallets of filter media are complete, numbered and film wrapped. Bags are arranged on the pallets according to how they should be positioned inside the filter.



Weight of the layers of filter media (in Kg)

	PP 1200	pp 1400	pp 1600	pp 1800	pp 2000	pp 2350	Grain size in mm
A	50	50	50	50	50	50	40 - 80
B	50	50	100	125	150	250	20 - 40
C	150	175	275	350	450	800	9 - 18
D	200	275	375	550	750	1250	2 - 4
E	750	1150	1675	2350	2900	4900	0.6 - 1.25
Total weight	1200	1700	2475	3425	4300	7250	-

Filter media – 5 layers of sand:

- Commercial pool grade filtration,
- Through rate 30 to 40 m³/h/m².

Code	Description	Price
240124	For PP-1200 polar filters	1 pallet
240144	For PP-1400 polar filters	2 pallets
240164	For PP-1600 polar filters	2 pallets
240184	For PP-1800 polar filters	3 pallets
240204	For PP-2000 polar filters	4 pallets
240234	For PP-2350 polar filters	6 pallets

+ **PROCOPI TOP TIP**

Our turbidimeter is listed on page 342

Ultra-high filtration performance silica

The new Ultra-High Filtration Performance calibrated silica was formulated especially for Procopi, the super fine filtration it provides plays an important role in meeting the challenges we set; to reduce the consumption of pool chemicals and decrease the consumption of energy.

Our filtration sand & gravel is listed on page 83.



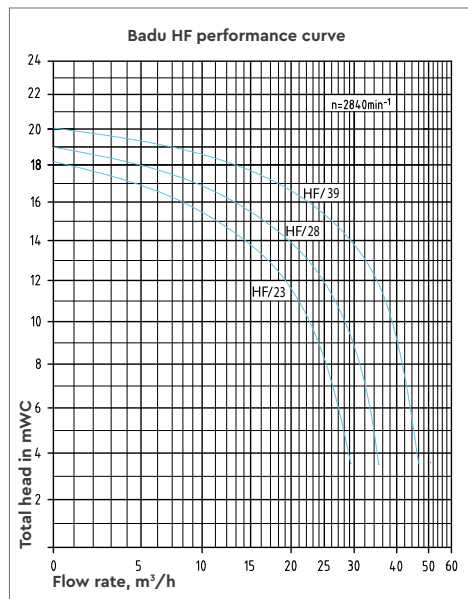
Family 600, 610

FILTRATION SAND AND GRAVEL

Code	Description	Price
Calibrated silica		
247000	UHFP calibrated silica 0.4/ 0.8 mm	25 kg bag
247100	UHFP calibrated silica 0.4/ 0.8 mm	Pallet of 48 bags, that is 1,200 Kg
247500	UHFP calibrated silica 2.5/ 5 mm	25 kg bag
247600	UHFP calibrated silica 2.5/ 5 mm	Pallet of 48 bags, that is 1,200 Kg
Sand and gravel		
241000	High filtration performance sand 0.6/1.25	25 kg bag
241100	High filtration performance sand 0.6/1.25	Pallet of 48 bags, that is 1,200 Kg
243000	High filtration performance gravel 2.0/4.0	25 kg bag
243100	High filtration performance gravel 2.0/4.0	Pallet of 48 bags, that is 1,200 Kg
Anthracite		
248000	Hydro-anthracite 1.4/2.5 *	25 kg bag



SPECK
pumpen

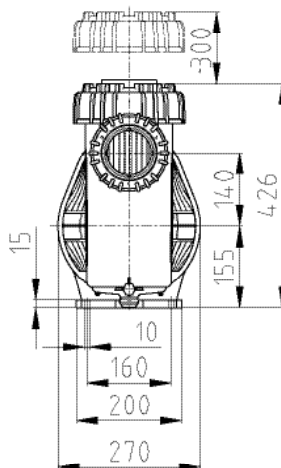
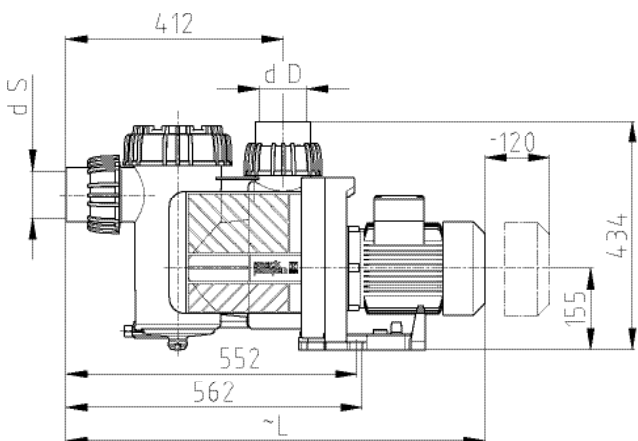


← Maximum length 83 cm (model HF-39) →

Technical data:

- Comes with two 75 or 90 mm, solvent unions depending on the pump model,
- A tool is provided to facilitate opening of the prefilter lid
- Self-priming: On the contrary to many other pumps belonging to this category, these pumps are self-priming and may be installed above the water level,

- Perfectly leaktight, maintenance free mechanical seal
- Now even safer: thanks to the impeller's original design, the motor shaft never comes into contact with water. This means that stray current will never leak into the pool,
- Badu HF pumps are perfectly compatible with pool water treatment by salt electrolysis,
- Power supply: 230/ 400 V 3ph, 50 Hz.

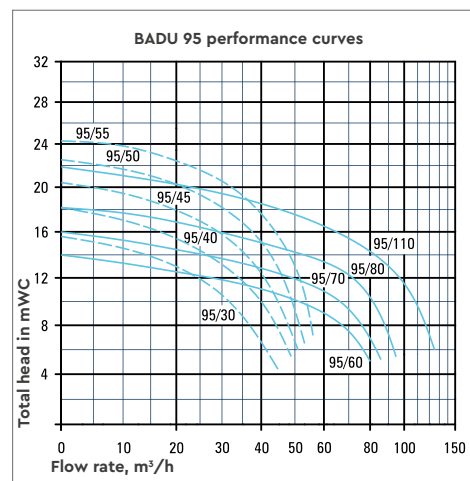


Tool for opening the prefilter lid

Code	Description	Flow rate m³/h	mWC	Max current	P1 kW	P2 kW	Voltage	Ø Outlets		Price
								Suct.	Ret	
52051300	Badu HF/23	23	10	3.3	1.65	1.30	3 ph	75	75	
52052300	Badu HF/28	28	10	3.7	1.90	1.50	3 ph	75	75	
52053300	Badu HF/39	39	10	5.1	2.70	2.20	3 ph	90	90	

P1 indicates the total power consumed by the pump. Thus the value of P1 should be taken into consideration when choosing the thermal magnetic circuit breaker.

P2 indicates the power actually available at the motor shaft. Therefore P2 should be used to define the power of a pump



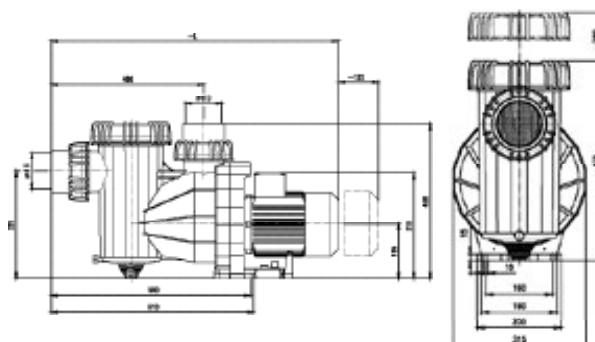
+ Badu 95 salt water pumps are particularly suited to saline environments with 5 to 40 g salt per litre (Balneo, thalasso, etc.).



Tool for opening the prefilter lid

Technical data:

- Comes with two solvent unions, 75 to 110 mm, depending on the pump model,
- A tool is provided to facilitate opening of the prefilter lid,
- Self-priming: On the contrary to many other pumps belonging to this category, these pumps are self-priming and may be installed above the water level,
- Perfectly leaktight, maintenance free mechanical seal,
- Now even safer: thanks to the impeller's original design, the motor shaft never comes into contact with water. This means that stray current will never leak into the pool,
- Badu 95 pumps are perfectly compatible with water treatment by salt electrolysis.



Code	Description	Flow rate m³/h	mWC	Max current (A)	P1 kW	P2 kW	Voltage	Ø Outlets		Price
								Suct.	Ret	
Badu 95 pumps										
52001300	Badu 95/30	32	10	3.7	1.90	1.50	3ph	75	75	
52002300	Badu 95/40	40	10	5.1	2.70	2.20	3ph	90	90	
52003300	Badu 95/45	45	10	6	3.30	2.60	3ph	90	90	
52004300	Badu 95/50	49	10	6.7	3.80	3.00	3ph	110	110	
52005300	Badu 95/55	54	10	8.4	4.80	4.00	3ph	110	110	
52006300	Badu 95/60	54	10	6	3.30	2.60	3ph	110	110	
52007300	Badu 95/70	67	10	6.7	3.80	3.00	3ph	110	110	
52008300	Badu 95/80	82	10	8.4	4.80	4.00	3ph	110	110	
52009300	Badu 95/110	110	10	10.9	6.40	5.50	3ph	110	110	
Badu 95 special salt water pumps *										
52021300	Badu 95/30*	32	10	3.7	1.90	1.50	3ph	75	75	
52022300	Badu 95/40*	40	10	5.1	2.70	2.20	3ph	90	90	
52023300	Badu 95/45*	45	10	6	3.30	2.60	3ph	90	90	
52024300	Badu 95/50*	49	10	6.7	3.80	3.00	3ph	110	110	
52025300	Badu 95/55*	54	10	8.4	4.80	4.00	3ph	110	110	
52026300	Badu 95/60*	54	10	6	3.30	2.60	3ph	110	110	
52027300	Badu 95/70*	67	10	6.7	3.80	3.00	3ph	110	110	
52028300	Badu 95/80*	82	10	8.4	4.80	4.00	3ph	110	110	
52029300	Badu 95/110*	110	10	10.9	6.40	5.50	3ph	110	110	

(*) item available on order and subject to a 30% deposit.

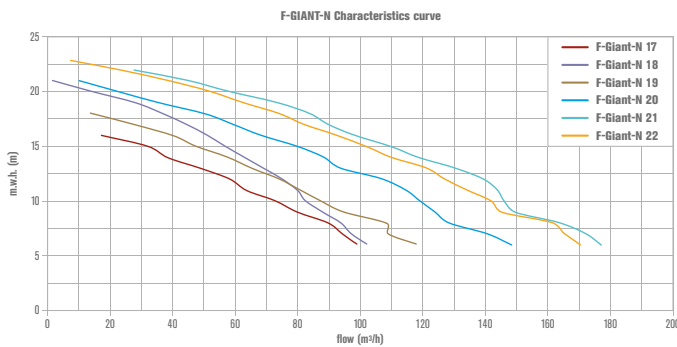


The F-Giant-N pump with plastic impeller is the leading high flow rate pump. Made entirely of plastic, with a logarithmic volute shaped pump body (design patent held by PSH pools), it offers the best hydraulic yield of any pump of this type available on the market. The pump is fitted with a single piece helical impeller developed using innovative technology also patented by PSH POOLS. ...

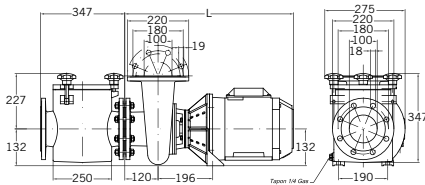
The design of the F-Giant-N plastic impeller pump, and the technology used, has established it as the leading pump of this type available on the market. Ecological and hard-wearing, silent, with no contact between metallic components and water, F-Giant-N plastic impeller pumps are particularly recommended for large aquariums. Given that metallic components do not come into contact with water, F-Giant-N plastic impeller pumps are Class F, compatible with: salt water, salt water electrolyzers and ionisers. These pumps contribute towards responsible water management and the reduction of the consumption of chemicals used to treat the pool water.

Technical data:

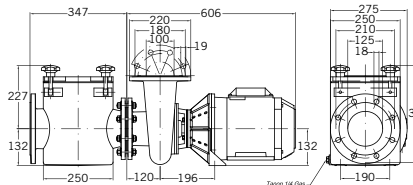
- High hydraulic yield
- Runs silently
- Equipped with a high yield IE2/ IE3 motor in accordance with the standard EU 640/20 09
- Compatible with all types of water
- Particularly suited for use in large aquariums to preserve the health of marine life
- Wall thickness 9mm, ensuring that materials have an extraordinarily long service life
- Very light
- Ecological and hard wearing
- Large capacity pre-filter with a transparent lid that provides easy access for cleaning
- The pre-filter is independent, so the pump can be used without the pre-filter or coupled with another type of pre-filter
- Insulation rating: F
- Ingress protection rating: IP55
- High quality mechanical seal
- Flow rate: up to 213 m³/h
- Available in 50Hz and 60Hz
- Can be completely taken apart and recycled.



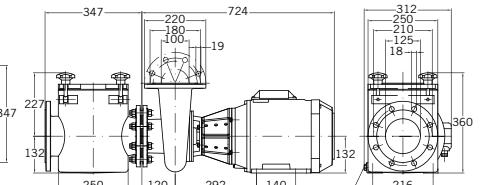
F-Giant-N 17/18



F-Giant-N 19



F-Giant-N 20/21/22



Code	Description	Nominal power		Max current	mWC	Flow rate m ³ /h	Ø Outlets		Price
		kW	HP				A	Suct.	
52200300	Pump F-GIANT-N 17, 4HP 230/400V 50 Hz Y	2.94	4.00	6.66	10	72.6	100	100	
52201300	Pump F-GIANT-N 18, 5.5HP 400/700 V 50 Hz Δ*	4.04	5.50	7.80	10	82.4	100	100	
52203300	Pump F-GIANT-N 19, 5.5HP 400/700 V 50 Hz Δ*	4.05	5.50	8.40	10	87.1	125	100	
52204300	Pump F-GIANT-N 20, 7.5HP 400/700 V 50 Hz Δ*	5.52	7.50	10.50	10	118.9	125	100	
52205300	Pump F-GIANT-N 21, 10HP 400/700 V 50 Hz Δ*	7.36	10.0	13.53	10	146	125	100	
52206300	Pump F-GIANT-N 22, 12.5HP 400/700 V 50 Hz Δ*	9.19	12.5	12.50	10	141.9	125	100	



The F-Giant-N pump with bronze impeller is a leading high flow rate pump that offers the best hydraulic yield of any pump of this type available on the market. The logarithmic volute shaped pump body made entirely of plastic, a perfect alternative to the conventional materials used to manufacture pumps for sea water or salt water pool - bronze and stainless steel.

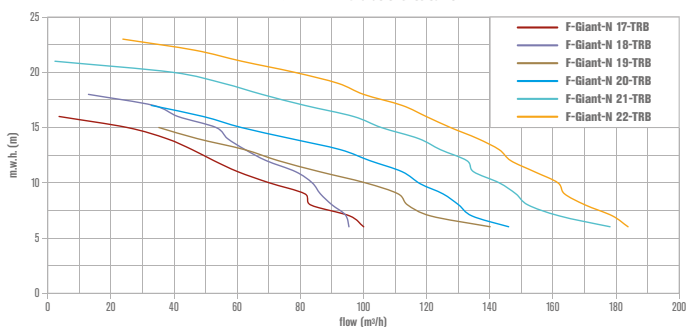
F-Giant-N pumps are compatible with: salt water, salt water electrolyzers and ionisers.

These pump contribute towards responsible water management and the reduction of the consumption of chemicals used to treat the pool water.

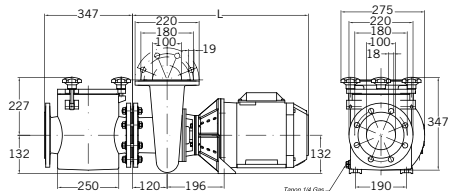
Technical data:

- High hydraulic yield – approx 85%
- Runs silently
- Equipped with a high yield IE2/ IE3 motor in accordance with the standard EU 640/20 09
- Compatible with all types of water
- Wall thickness 9mm, ensuring that materials have an extraordinarily long service life
- Very light
- Ecological and hard wearing
- Large capacity pre-filter with a transparent lid that provides easy access for cleaning
- The pre-filter is independent, so the pump can be used without the pre-filter or coupled with another type of pre-filter
- Ingress protection rating: IP55
- High quality mechanical seal
- Flow rate: up to 180m³/h
- Available in 50Hz and 60Hz
- Can be completely taken apart and recycled.

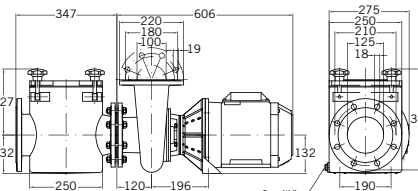
F-GIANT-N-TRB Characteristics curve



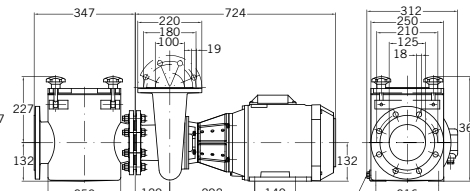
F-Giant-N 17/18



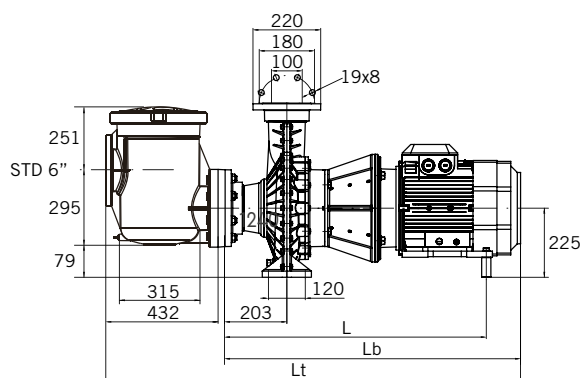
F-Giant-N 19



F-Giant-N 20/21/22



Code	Description	Nominal power		Max current	mWC	Flow rate m ³ /h	Ø Outlets		Price
		kW	HP				Suct.	Ret	
52220300	Pump F-GIANT-N 17 4HP 230/400V 50 Hz Y *	2.94	4.00	6.10	10	70.10	100	100	
52221300	Pump F-GIANT-N 18 5,5HP 400/700 V 50 Hz Δ*	4.05	5.50	7.00	10	83.70	100	100	
52223300	Pump F-GIANT-N 19 5,5HP 400/700 V 50 Hz Δ*	4.05	5.50	8.80	10	100.50	125	100	
52224300	Pump F-GIANT-N 20 7,5HP 400/700 V 50 Hz Δ*	5.52	7.50	10.50	10	118.00	125	100	
52225300	Pump F-GIANT-N 21 10HP400/700 V 50 Hz Δ*	7.36	10.0	13.70	10	142.90	125	100	
52226300	Pump F-GIANT-N 22 12,5HP 400/700 V 50 Hz Δ*	9.19	12.5	19.20	10	161.50	125	100	

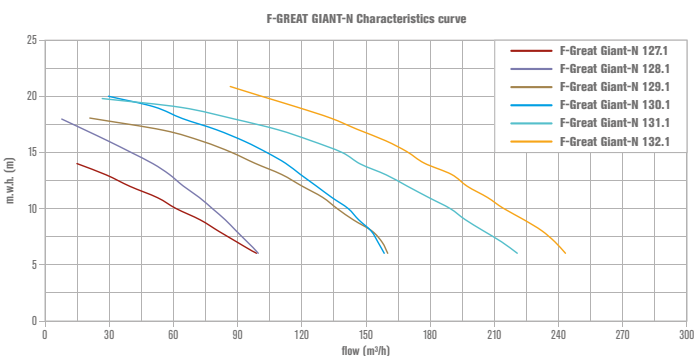


	A	A	A
F-GREAT GIANT-127.1	565	765	1240
F-GREAT GIANT-128.1	565	765	1240
F-GREAT GIANT-129.1	690	890	1365
F-GREAT GIANT-130.1	690	890	1365
F-GREAT GIANT-131.1	690	890	1365
F-GREAT GIANT-132.1	800	1000	1475

The Great Giant pump is the first 1450 RPM high flow rate pump to feature a plastic, logarithmic volute shaped pump body (patent held by PSH POOLS).

Thanks to the shape of the pump body and the low porosity of the materials used, the Great Giant pump offers the best performance data available on the market.

Great giant is suitable for use with sea water and salt water. It offers an excellent alternative to costly bronze and stainless steel pumps traditionally used with this type of water.



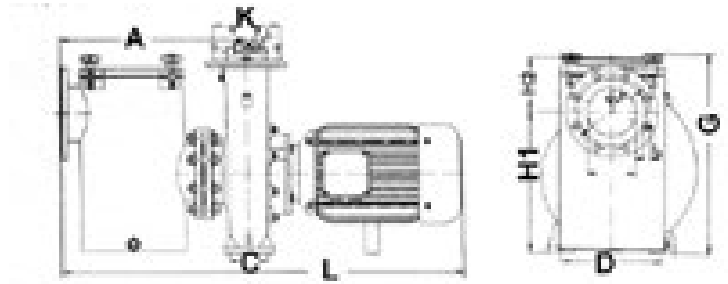
Technical data:

- High hydraulic yield
- Runs silently
- Equipped with a high yield IE2/ IE3 motor in accordance with the standard EU 640/20 09
- Compatible with all types of water
- Particularly suited for use in large aquariums to preserve the health of marine life
- Wall thickness 9mm, ensuring that materials have an extraordinarily long service life
- Ecological and hard wearing
- Can be completely taken apart and recycled.
- Large capacity pre-filter with a transparent lid that provides easy access for cleaning
- The pre-filter is independent, so the pump can be used without the pre-filter or coupled with another type of pre-filter
- Improved filtration capacity
- Ingress protection rating: IP55
- Flow rate: up to 213 m³/h
- Available in 50Hz and 60Hz
- Significant energy savings.

Description	Nominal power		Max current	mWC	Flow rate	Ø Outlets		Code	Price	Code	Price
	kW	HP	Tri 400 V			A	m ³ /h				
F-GREAT GIANT-127.1H 4 HP 230/400V 50Hz Y *	3.00	4.00	6.20	10	61.10	150	100	52250300		52270300	
F-GREAT GIANT-128.1H 5.5HP 400/700V 50Hz Δ*	4.00	5.50	7.90	10	78.30	150	100	52251300		52271300	
F-GREAT GIANT-129.1H 7.5HP 400/700V 50Hz Δ*	5.50	7.50	12.00	10	136.6	150	100	52252300		52272300	
F-GREAT GIANT-130.1H 10HP 400/700V 50Hz Δ*	7.50	10.00	13.90	10	141.5	150	100	52253300		52273300	
F-GREAT GIANT-131H 12.5HP 400/700V 50Hz Δ*	9.20	12.50	16.80	10	189.2	150	100	52254300		52274300	
F-GREAT GIANT-132H 15HP 400/700V 50Hz Δ*	11.00	15.00	20.10	10	213.8	150	100	52255300		52275300	

PSH CAST IRON PUMP WITH FDN PREFILTER- 1,450 RPM

Family 1375

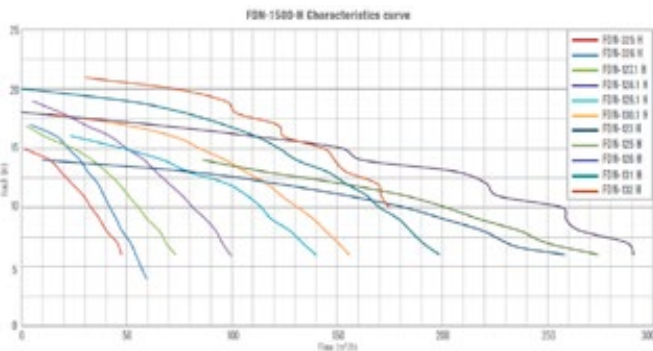


FDN-1500-H pumps are specially designed for commercial and private pools.

The pump is designed to run very silently. All components in contact with water are cathaphoretic treated for long lasting protection. This treatment causes the paint to bond chemically with the layer of iron on the surface of the parts and so prevents the formation of oxydes in cast iron pumps. Cathaphoresis provides one of the highest degrees of corrosion protection for metals, it significantly prolongs the service life of the cast iron.

Technical data:

- Fitted with a high yield IE2/ IE3 motor in accordance with the standard EU 640/2009
- Cathaphoretic coating protects the device against rust and corrosion over the long term
- Runs very silently
- Improved filtration capacity
- Robust and hard wearing
- Ingress protection rating: IP55
- High quality mechanical seal
- The pre-filter is independent, so the pump can be used without the pre-filter or coupled with another type of pre-filter
- Large volume pre-filter and a stainless steel basket that provide easy access for maintenance
- Flow rate: up to 170 m³/h
- Available in 50Hz and 60Hz
- Available in bronze for use with sea water and in pools treated by salt water electrolysis.



Code	Description	Flow rate m ³ /h		Power (HP)	Voltage	DN		Flow rate m ³ /h	Price
		10 mWC	12 mWC			Suct.	Ret		
627600	Pump with prefilter FDN-326H*	42	36	3	3ph	100	50	4	
627700	Pump with prefilter FDN-127.1H*	55	46	4	3ph	100	80	6	
627800	Pump with prefilter FDN-128.1H*	81	70	5.5	3ph	100	80	8	
627900	Pump with prefilter FDN-129.1H*	114	97	7.5	3ph	125	100	11	
628100	Pump with prefilter FDN-130.1H*	131	117	10	3ph	125	100	12	
628200	Pump with prefilter FDN-131H*	169	153	12.5	3ph	150	100	16	
628300	Pump with prefilter FDN-132H*	174	168	15	3ph	150	100	20	

TECHNICAL DATA:

Models	Ka	la	K1	A	C	D	G	H1	H2	L
PSH - FDN-326H	180	19	125	400	95	250	405	180	225	792
PSH - FDN-127.1H	180	19	145	400	120	280	480	200	280	840
PSH - FDN-128.1H	180	19	145	400	120	280	480	200	280	860
PSH - FDN-129.1H	210	19	160	473	120	315	505	200	280	980
PSH - FDN-130.1H	210	19	160	473	120	315	505	200	280	1016
PSH - FDN-131H	240	22	180	755	120	315	505	416	88	1100
PSH - FDN-132H	240	22	180	755	120	315	505	416	88	1200


CAST IRON PUMPS

KSB ESTABLOC CAST IRON PUMPS WITHOUT PREFILTER - 1,400 RPM

Family 1325

To generate a quote, please provide the following information:

- Flow rate in m³/h
- Total head in mWC
- Type of pool treatment (Chlorine or electrolysis)
- Country of installation

 Sea water pumps, please enquire



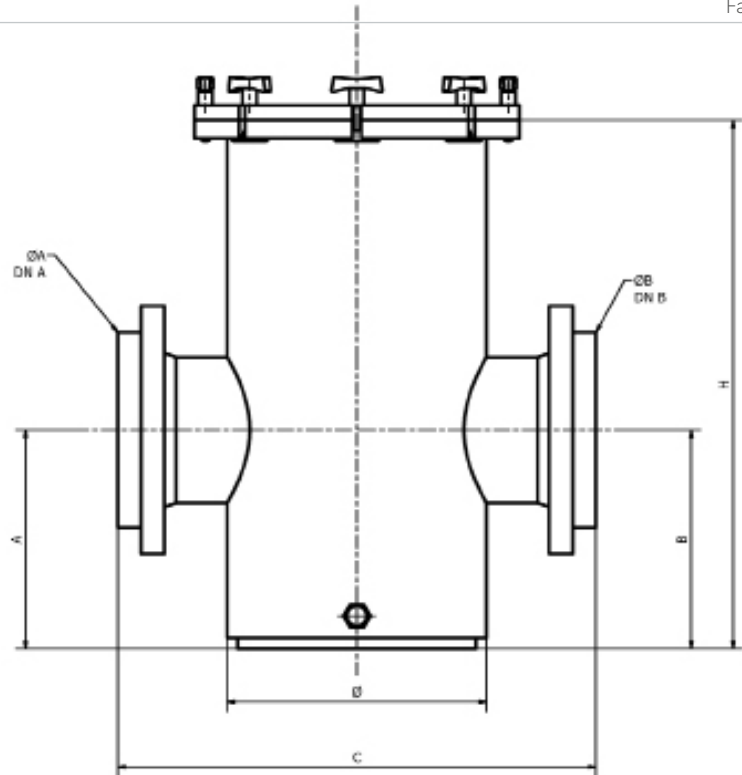
Sample prices

Description	Flow rate m ³ /h	mWC	Treatment	Power supply	Price
Etabloc pump	up to 150	11	Chlorine	50 Hz	
Etabloc pump	up to 150	14	Chlorine	50 Hz	



HDPE PREFILTERS

Family 1350



Technical data:

- Body, base & flanges made of HDPE
- PPFV slip flanges PN10 or PN16 depending on the diameter
- Inlet/ outlet ports aligned as standard
- Transparent PMMA lid to facilitate visual inspections
- 4 to 8 T grips with stainless steel inserts for rapid opening and closing
- Neoprene gasket, \varnothing 10, for a leaktight lid seal,
- Removable grey PPH grate, thickness 8 mm, R5T8 perforations (open area 35%, \varnothing 5 mm mesh) with collection basket
- Air vent via a SS3/8" valve in the lid
- Bottom drain via a plug that may be unscrewed

+ Made to measure in France. Other dimensions available on request. PPH grating to avoid the risk of corrosion or deformation. T grips for rapid opening and closing.

Code	Description	Flowrate QV (m ³ /h)	Connections (mm)					Dimensions in mm				Price
			\varnothing body (mm)	\varnothing A inlet flange	DN A inlet flange	\varnothing B outlet flange	DN A outlet flange	A	B	C	H	
652110	HDPE prefilter, inlet DN100 - outlet DN100*	42	250	110	100	110	100	250	250	510	600	
652140	HDPE prefilter, inlet DN125 - outlet DN125*	66	250	140	125	140	125	250	250	520	600	
652160	HDPE prefilter, inlet DN150 - outlet DN150*	95	250	160	150	160	150	250	250	550	600	

(*) item available on order

ELECTRICAL PANELS

for commercial pools

EACH OF OUR CONTROL PANELS IS MADE OF TOP QUALITY COMPONENTS CAREFULLY SELECTED ON THE BASIS OF THEIR EXCELLENT PERFORMANCE DATA..

A comprehensive range for a precise match to your needs

Our custom built electrical panels can be equipped with a number of modules, among these:

- Powering and control of electrical equipment (1ph and/ or 3ph): Filtration pump, massage pump, booster pumps, heating, water treatment devices, blowers, underwater lights, counter-swim units, fans, etc.
- Filter clogging alarm (system comprising a pressure gauge and visual and/ or aural alarms)
- Pool or buffer tank water level regulation
- Slaving of equipment to filtration pumps (water treatment, heating ,etc.)

Each power supply is equipped with a suitable thermal magnetic circuit breaker. You may choose to add the following modules;

- Clock
- Timer with power reserve (continues to run in the event of a power cut)
- Control switch on the front panel of the cabinet (2 positions if there is no timer, 3 positions if there is a timer)
- Running light
- Fault light
- Timer
- Pneumatic controls

The following modules are also available for your electrical panel:

- Protection by a 30 mA RCD at the head of the line
- External 16A plus
- Cabinet ventilation
- Internal cabinet lighting
- Key switch emergency stop
- Remote installed emergency stop (standard or key type)

Study requests by our Design Office

STUDY REQUEST
Electrical panel
for commercial pool

Corporate name: _____ Client code: _____
 Contact: _____ Study reference no.: _____
 Study request date: _____ Study deadline: _____

LOCATION OF THE ELECTRICAL PANEL

Panel electrical supply: 230 V 400 V Power supply frequency: 50 Hz 60 Hz
 Ambient temperature: _____ °C
 Fit the electrical panel with a 30 mA differential circuit breaker at the head of the line: Yes No
Note: Installation of a 30 mA differential circuit breaker is mandatory. This device may be installed at the head of the line in the electrical panel or upstream from the electrical panel power supply.

ADDITIONAL MODULES IN THE ELECTRICAL PANEL

Clogging alarm: Yes No Number of filters: _____
 Water level regulation RED-1* (for skimmer pool): Yes No Qty
* Delivered with 20 m of cable for the sensor.
 5 sensor water level regulation RED-2** (for buffer tank): Yes No Qty
 7 sensor water level regulation RED-3** (for buffer tank): Yes No Qty
** Delivered with 5 m of cable for each sensor.
 Level regulation with hydrostatic sensor (for buffer tank): Yes No Qty
 desired length of the hydrostatic sensor cable:
 Standard (10 m) No standard (maximum 40 m): _____ m

ELECTRICAL PANEL OPTIONS

Emergency stop on the front panel: Without key (included) With key
 Remote emergency stop: Without key? Yes No Qty
 With key? Yes No Qty
 External 16A 1ph outlet: Yes No Qty
 Ventilation du coffret (163 m³/h): Yes No
Note: The electrical panel ventilation option may be mandatory depending on the location in the panel.
 Electrical panel lighting: Yes No
 Percentage free space left in the electrical panel cabinet for installation of future equipment: _____ %
 Direction of cabinet door opening (by default the hinge is located on the right): Hinge on the left Right
Note: Cabinets under 1000 cm will be fitted with this device.

Notes: _____ executed at _____ date _____
 Signature: _____

Please fill in the information on the following pages. Incomplete study requests cannot be processed by our design office.

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IN THE EVENT THAT SINGLE PHASE EQUIPMENT IS CONNECTED TO A THREE PHASE ELECTRICAL SUPPLY, OUR DESIGN OFFICE WILL TAKE OF BALANCING THE 3 PHASES.

EACH UNDERWATER LIGHT IS EQUIPPED WITH A 230/12V TRANSFORMER IN ACCORDANCE WITH THE STANDARD NF EN 61558-2-6 WITH A THERMAL MAGNETIC CIRCUIT BREAKER ON THE PRIMARY OR SECONDARY CIRCUIT.

Technical data

Irrespective of the options selected, the electrical panel is delivered with the following as standard:

- 1 Waterproof metal cabinet (IP55 rated) with a key lock
- 1 External main disconnect switch
- 1 Pilot light on the front panel
- 1 Emergency stop PALM BUTTON on the front panel
- 1 Wiring and connection diagram
- Cable glands to pass all the cables

Free quotes

for your custom built electrical panel

Procopi can size your custom built electrical panel and provide you with a quote, free of charge. To receive your quote, simply fill out the study request form (available for download from www.procopi.com or from your sales agency) and send it to your Procopi agency.

ELECTRICAL PANELS FOR COMMERCIAL SPAS

Family 8620



Code	Description	Price
2505710	ATD/9T-1 commercial spa electrical panel – 1 pump with buffer tank regulation	
2505760	ATD/9T-2 commercial spa electrical panel – 2 pumps with buffer tank regulation	



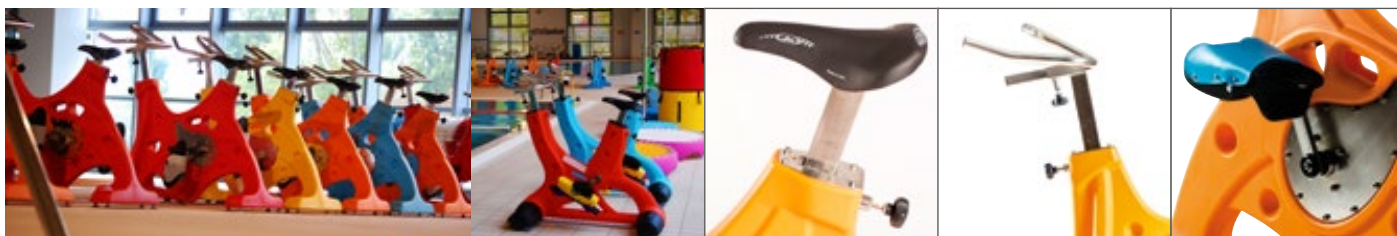
Hexa Bike Optima & Premium

- 2 models
- 7 bright colours
- Modern design
- Made of polypropylene and 316L stainless steel
- Safety and stability
- 8 suction cups

Made of polypropylene, moving parts are made of stainless steel (guaranteed 7 years against corrosion).

Ideal for rehabilitation and fitness sessions
Adapts to a pool depth of between 120 and 170 cm, may be used with or without aquagym shoes:

- Hexa Bike: height and depth adjustable handlebars, height adjustable saddle. Easy to move around thanks to its two front wheels.
- Hexa Bike demountable: the same technical specifications as the Hexa Bike with removable feet.



HEXA BIKE OPTIMA 

Family 2080

Light blue*	Dark blue*	Red*	Green*	Rose*	Orange*	Yellow*	Price per unit	Price for 5, per unit	Price for 10, per unit
818101	818102	818103	818104	818105	818106	818107			

(*) article available on order. Orders for Hexa Bike Premium can include a variety of colours



Code	Description
Weight	16 kg
Frame	Polyethylene
Accessories	Stainless steel
Depth of use	120 - 140 cm
Dimensions	115 × 92 × 66 cm
Suction pads	9
Wheels	2 at the front
Colours	7
Break	Without
Guarantee	1 year



HEXA BIKE PREMIUM 

Family 2080

Light blue*	Dark blue*	Red*	Green*	Rose*	Orange*	Yellow*	Price per unit	Price for 5, per unit	Price for 10, per unit
818201	818202	818203	818204	818205	818206	818207			

(*) article available on order. Orders for Hexa Bike Premium can include a variety of colours



Code	Hexa Bike Premium
Weight	18 Kg
Frame	Polyethylene
Accessories	Stainless steel
Depth of use	120 -170 cm
Dimensions	120 × 160 × 140 cm
Suction pads	9
Wheels	2 at the front
Colours	7
Break	with
Guarantee	1 year



UNIKART 300 

Family 2080

Unikart

The Unikart is a lifting system designed to assist people with physical disabilities or reduced mobility entering and leaving most pools.

Hexagone, the leader in pool solutions, has developed a chair hoist to assist people with reduced mobility entering and leaving the pool. This independent, autonomous chair hoist does not require a power source, battery or anchoring point. On a daily basis, UNIKART can be used over and over again to facilitate access to your pools.

- Always ready to use.
- People may be lowered into the water from any point on the pool deck.
- May be used to help people from the changing room to the pool.
- Simple, limited maintenance.
- Lift load: 136 kg.
- Stainless steel trolley: ABS seat.

JET UNIFIX 

Family 2080

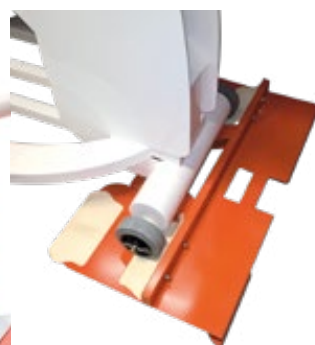


UNIKART DESIGN 

Family 2080



Dual winch.



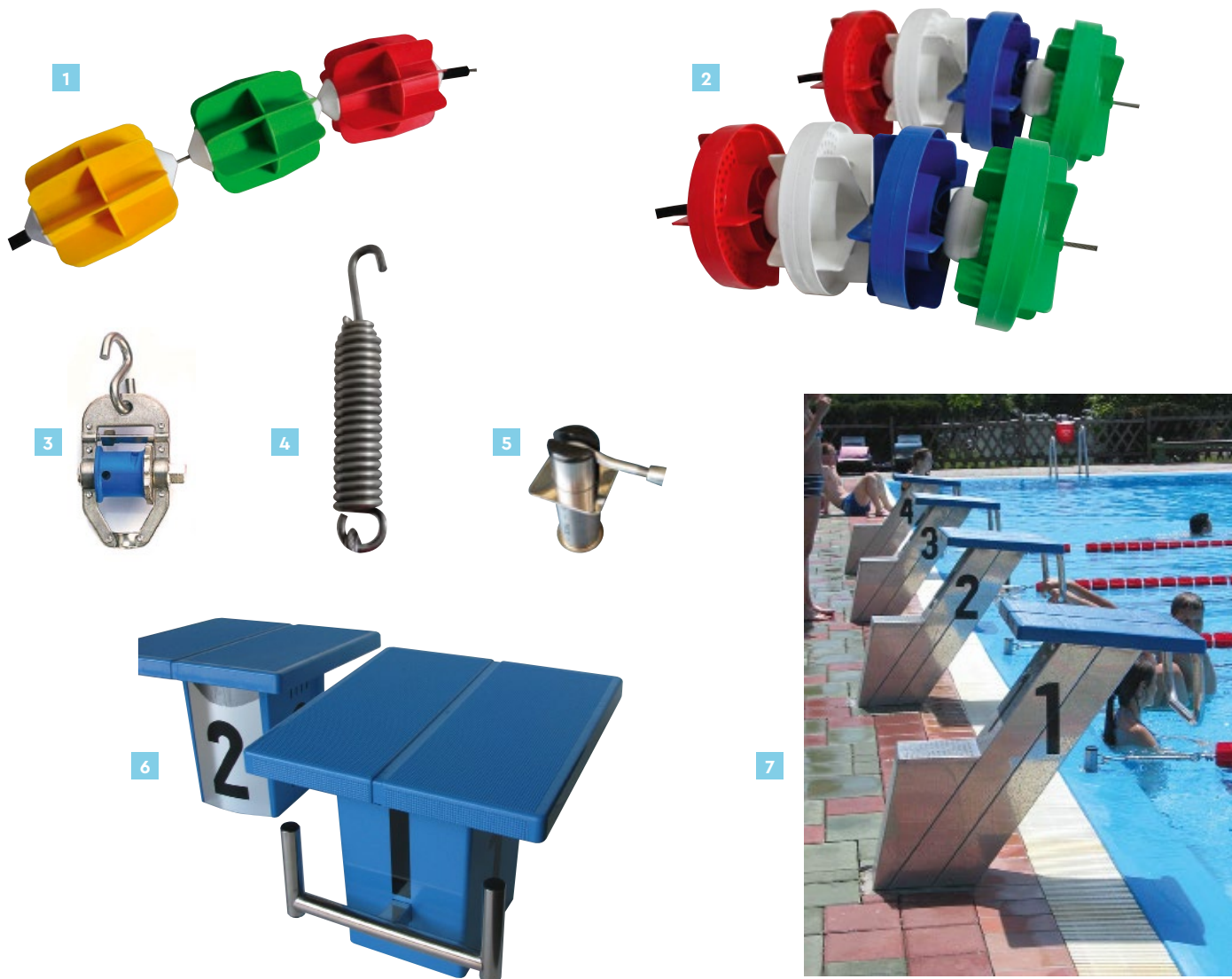
Delivered with a brake mat to be paced at the edge of the pool.

	Code	Description	Price
1	8248600	Chair hoist, Unikart 300*	
2	8248650	Chair hoist, Unikart Design*	
3	8248700	Chair hoist, Jet Unifix*	

(*) article available on order

ACCESSORIES FOR COMPETITION POOLS

+ Please contact your Procopi agency for any specific requirements and to discover our complete range of commercial pool accessories and equipment. The swimming lanes come with steel wire but not the tensioner. Available colours, red, white, blue or green.



	Code	Description	Price
		Swimming lane	
1	8249125	NO-WAVE swimming lane, diam. 110 mm, 25 m *	
2	8249425	ANTI-O swimming lane, diam. 150 mm, 25 m *	
		Swimming lane accessories	
3	8249510	Ratchet tensioner for swimming lanes *	
4	8249520	Spring tensioner for swimming lanes *	
	8249530	Screw tensioner for swimming lanes *	
	8249550	Wall mounted anchoring system for swimming lanes *	
5	8249560	Pop-up deck mounted anchoring system for swimming lanes *	
		Starting blocks	
6	8249800	Low starting block – Start A1 with anchoring system*	
7	8249850	High starting block – Start B2 with anchoring system*	
		Roller	
	8249600	Roller with transport trolley, Lever/X	

(*) article available on order

WATER FEATURES

WATER CANONS

Family 2080

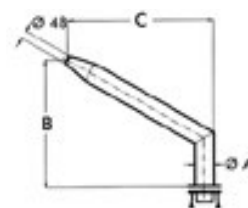


+ Finish: high shine stainless steel

Code	Description	Flow rate	Price
8245400	Water canon, stainless steel, Ø 89 x H 750 (with pool fittings)*	30 m ³ /h	
8245600	Water canon, stainless steel, Ø 114 x H 750 (with pool fittings)*	40 m ³ /h	

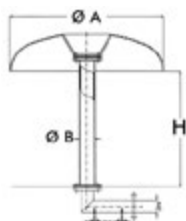
(*) item available on order

Ø A (in mm)	B (in mm)	C (in mm)	m ³ /h	Ø tube (in mm)
89	750	860	30	75
114	750	860	40	90



MUSHROOM FOUNTAINS

Family 2080



Code	Description	Flow rate	Price
8240500	Fibreglass mushroom Ø 1000 mm*	45 m ³ /h	
8240100	Fibreglass mushroom Ø 1200 mm*	60 m ³ /h	
8240700	Fibreglass mushroom Ø 1600 mm*	100 m ³ /h	
8240900	Fibreglass mushroom Ø 2000 mm*	120 m ³ /h	
8240600	Stainless steel mushroom Ø 1000 mm*	45 m ³ /h	
8240200	Stainless steel mushroom Ø 1200 mm*	60 m ³ /h	
8240800	Stainless steel mushroom Ø 1600 mm*	100 m ³ /h	
8241000	Stainless steel mushroom Ø 2000 mm*	120 m ³ /h	
8240350	Mushroom pool fitting Ø 1000 mm*		
8240000	Mushroom pool fitting, Ø 1200 and 1600 mm		
8240950	Mushroom pool fitting Ø 2000 mm*		

(*) item available on order

Ø A (in mm)	Ø B (in mm)	H (in mm)	DN	Ø tube (in mm)
1000	140	2000	65	75
1200	168	2000	80	90
1600	220	2000	125	140
2000	273	2000	150	160

FAN WATERFALLS

Family 2080

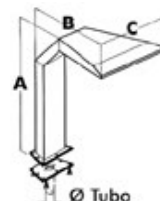


+ Finish: high shine, polished stainless steel

Code	Description	Flow rate	Price
8246800	Fan waterfall, stainless steel, width 600 mm (with pool fittings)*	60 m ³ /h	

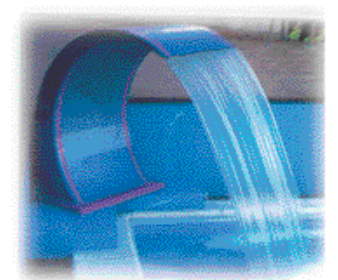
(*) item available on order .

A (in mm)	B (in mm)	C (in mm)	m ³ /h	Ø tube (in mm)
1300	870	600	60	110



HALF-MOON WATERFALLS

Family 2080



+ Finish: metallic silver or light blue or white nacre

Code	Description	Flow rate	Price
8247600	Half-moon waterfall, stainless steel, width 500 mm (with pool fittings)*	45 m ³ /h	
8247800	Half-moon waterfall, stainless steel, width 625 mm (with pool fittings)*	60 m ³ /h	

(*) item available on order

A (in mm)	B (in mm)	C (in mm)	m ³ /h	Ø tube (in mm)
500	800	750	45	90
625	1000	920	60	90



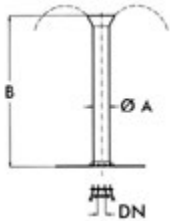
+ Caution! Items available only by order. Leadtime 4 to 8 weeks.
Specific requests: rivers, hydromassage, bubble baths, etc. Please inquire.

UMBRELLA FOUNTAINS

Family 2080

Code	Description	Flow rate	Price
8242000	Umbrella fountain, stainless steel, Ø 170 x H 2500 (with pool fittings)*	60 m ³ /h	
8242200	Umbrella fountain, stainless steel, Ø 220 x H 2500 (with pool fittings)*	100 m ³ /h	

(* item available on order)



Ø A (in mm)	B (in mm)	DN (in mm)	m ³ /h	Ø tube (in mm)
170	2500	100	60	90
220	2500	125	100	110



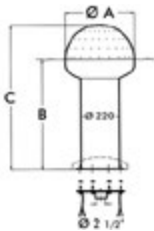
+ Finish: high shine stainless steel

HEDGEHOG FOUNTAINS

Family 2080

Code	Description	Flow rate	Price
8242800	Hedgehog fountain, stainless steel, Ø 500 x H 500 (with pool fittings)*	30 m ³ /h	

(* item available on order)



Ø A (in mm)	B (in mm)	C (in mm)	m ³ /h	Ø tube (in mm)
500	500	740	30	75



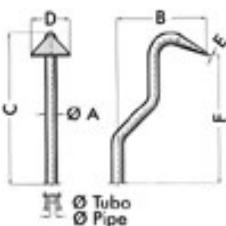
+ Finish: high shine, polished stainless steel

HERON FOUNTAINS

Family 2080

Code	Description	Flow rate	Price
8244000	Heron fountain, stainless steel, Ø 89 x H 1200 (with pool fittings)*	30 m ³ /h	

(* item available on order)



Ø A (in mm)	B (in mm)	C (in mm)	D x E (in mm)	F (in mm)	m ³ /h	Ø tube (in mm)
89	710	1200	300x15	1030	30	75



+ Finish: metallic silver or light blue or white nacre

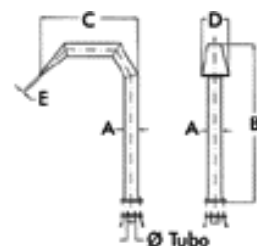
FAN FOUNTAINS

Family 2080

Code	Description	Flow rate	Price
8244600	Fan fountain, stainless steel, Ø 50 x H 900 (with pool fittings)*	30 m ³ /h	

(* item available on order)

Ø A (in mm)	B (in mm)	C (in mm)	D x E (in mm)	m ³ /h	Ø tube (in mm)
50	900	480	170x12	30	63




+ Finish: high shine stainless steel

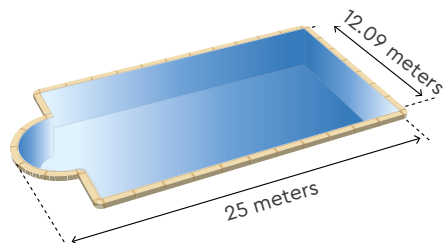
+ Other water features are available on request.



Advantages:

- Purpose designed for public pools,
- Reinforced mechanical assembly
- Motor installed in a dry pit,
- Complies with French safety regulations in effect (NF P 90-308)

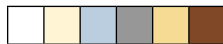
 **CAUTION:** Support brackets are mandatory for Stardeck covers installed on commercial pools.



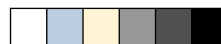
Maximum dimensions

The maximum dimensions of a Stardeck cover are 12.09 m x 25 m (with PL3 motor and Ø 250 mm).

Duckboarding in PVC or wood, 6 colours



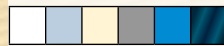
Stardeck beams available in 6 colours



Classic Stardeck

Anodised aluminium axle Ø 150 mm, 180 mm or 250 mm

Slat cover available in 6 colours



Aquamat 3001 or PL3 reduction geared motor and electrical panel

Counterweight

Pit wall available in 6 colours





Advantages:

- The Evodeck bubble cover comprises a 250 mm diameter aluminium axle and injection moulded, fibre glass reinforced end-stands.
- Wiring is integrated into the stand making the Evodeck bubble cover very easy to install, the powerful reduction motor easily rolls up a 25 m x 10 m bubble cover.
- The Evodeck bubble cover is ideal for camp sites, commercial pools and hotels that heat their pools and are looking for an easy inexpensive way to limit heat loss during the night.



Code	Description	Price
38257000	Evodeck mechanical assembly , D 250 mm, motorised, for bubble covers less than 8.10 m long	
38258000	Evodeck mechanical assembly , D 250 mm, motorised, for bubble covers less than 10.10 m long	
38259000	Evodeck mechanical assembly , D 250 mm, motorised, for bubble covers less than 12.10 m long	

*For delivery costs, please inquire.

250 Nm reduction motor integrated into the stand

Fibreglass reinforced polymer stands, height adjustable

Anodised aluminium axle, Ø 250 mm

UV stabilised ABS PMMA casing



Stainless steel couplings

+ The power of a world leader

MITSUBISHI ELECTRIC, a world leader in the field of heat pumps for climate control and heating, have produced several million machines that use Ecodan Power Inverter and Zubadan Power Inverter technologies. These machines are renowned for their reliability and excellent performance levels.

Mitsubishi and procopi decided to pool their core expertise to create two ranges of swimming pool heat pumps, the M.P.I. (Ecodan) range and the M.Z.I. (Zubadan) range, that exploit these technologies to achieve exceptional performance levels, both in terms of noise level and improved coefficient of performance.



Comprehensive range

The BWT Power Inverter range features a variety of power outputs to suit pools of any type and size.

Power inverter system

In comparison to fixed speed compressors installed in conventional on/off machines, inverter compressors can control and adapt their speed (through a range of 11 to 100 Hz, compared to 50 Hz for fixed speed devices) to suit the machine's operating conditions.

While the exterior temperature is low, or while the heating demand is high, the compressor will run at high speed (between 50 and 100 Hz), and inversely, while the heating demand is low, notably when the set point has been reached, the inverter compressor will run at low speeds (between 11 and 50 Hz).

BWT M.P.I. and M.Z.I. heat pumps automatically adjust their compressor speed to adapt to the operating mode and outdoor temperature. There is no need for any intervention by the user.

Running at low speeds, inverter compressors are almost noiseless, provide optimal yield and enjoy a longer service life.

Reversible heat pumps – heating/ cooling

All BWT Power Inverter heat pumps are reversible as standard.

BWT Power Inverter heat pumps can be used to heat or cool the pool water, they are compatible with a 60Hz operating regime.

This feature is particularly appreciated in very hot regions where it can be used to hold swimming pool water at a comfortable temperature or even to lower or maintain the water temperature in aquaculture tanks used to rear and store fish.

Silence

Conventional on/off heat pumps generate a constant sound power level, even when the water temperature hovers around the set point.

On the contrary, Power inverter heat pump compressors slow significantly around the set point with a corresponding drop in the sound power level that is extremely low compared to that of an on/off machine.

This feature is particularly appreciated in situations where the heat pump must be installed at a short distance from neighbours.

Installers should consider the regulations governing neighbourhood noise abatement in the country of installation.

Low intensity starting

BWT Power inverter heat pumps are fitted with a "soft start" system and an acceleration ramp to prevent over currents on start-up along with their inherent negative impact on electrical and electronic devices in the home.

Completely automated

BWT Power inverter heat pumps are designed for simple installation and ease of use

Systematic quality control

To guarantee complete reliability, all BWT Power Inverter heat pumps are tested before being shipped.



PROCOPI TOP TIP



Our heating solutions are listed on page 267



Innovation 2017 :

Procopi has developed a new geometry for the titanium exchangers equipping BWT MPI and MZI heat. Two gas injection baffles greatly improve the exchange between the primary and secondary circuits, to the point where the machines' power has been increased by 8% and their COP by 18%. In addition, the new design of the spiral plates cuts load losses in half.



BWT MITSUBISHI ZUBADAN - M.P.I. & M.Z.I.



Family 5 330



BWT Mitsubishi Zubadan Inverter (M.Z.I.) heat pumps share many of the characteristics of the BWT M.P.I. heat pump. However, on the contrary to conventional On/Off heat pumps, a BWT M.Z.I. heat pump can provide 80% of its heating capacity when the outdoor ground temperature is far below zero. BWT M.Z.I. heat pumps are real all season machines specifically intended for indoor pools that are used year round and that require a constant nominal heating power.

Operating principle

BWT M.Z.I. heat pumps compensate for extremely low outdoor air temperatures by injecting hot gas from an additional bottle directly at the compressor.

Technical specifications

- Improved heat pump and COP (coefficient of performance).
- Reversible machine, can be used to heat or chill the pool.
- The pool water temperature, set point and heat or cool operating mode are displayed on the remote control.
- Automatic defrosting by cycle inversion, the heat pump runs at temperatures down to -15°C



The table opposite shows the heating power of a pool air/water heat pump as a % of its nominal power at a range of outdoor temperatures

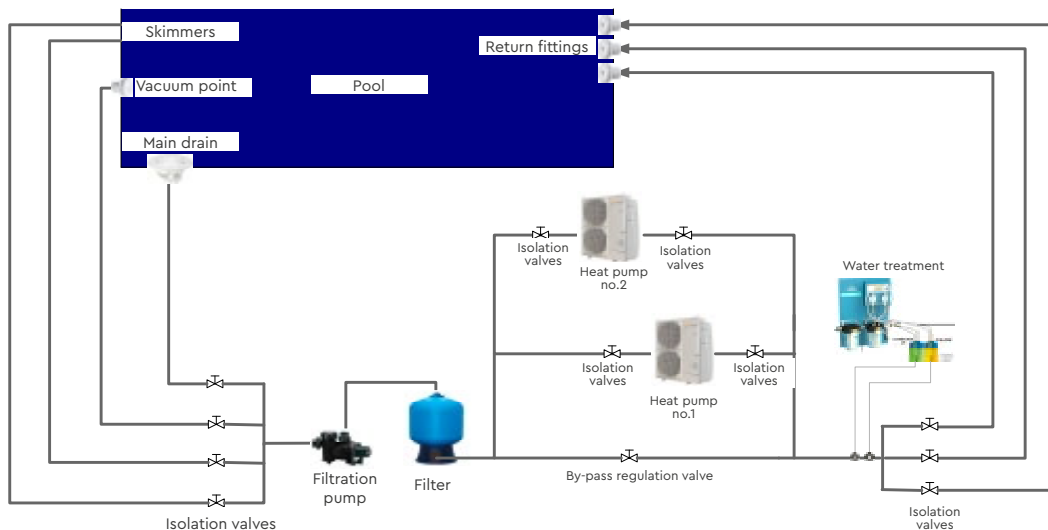
Heat pump types		
Outdoor temperatures	All or Nothing	MZI
15°C	100%	100%
12°C	91%	99%
7°C	79%	89%
-7°C	54%	86%
-10°C	-	82%
-15°C	-	75%

FLOW PATTERN - HEAT PUMP IN PARALLEL

+ Commercial pools frequently require a high heating power, for this reason, we developed a solution with the machines connected in parallel in a Tickelmann loop that distributes load loss equally across the heat exchangers to ensure that each machine is solicited to the same extent in order to get maximum from the inverter system.

This solution offers a number of advantages:

- Quieter operation,,
- Longer service life,
- It is possible to continue to heat the pool, even while one of the machines is being maintained.



DUAL FLOW THERMODYNAMIC DEHUMIDIFIERS

The evaporation of water from indoor pools causes the air to become saturated with water. Streaming of condensation, associated with very high humidity, can cause structural damage to the pool room. In addition, people find very high humidity hard to bear. The air in the room must be dehumidified.

PCP thermodynamic pool dehumidifiers were purpose designed for the dehumidification of commercial and medical pools (municipal pools, hotel pools, balneotherapy, etc.). The thermal power is reduced to a minimum, to optimise both operation costs and bather comfort.

A dual flow dehumidifier with:

- Automated intake of fresh air controlled by a CO2 sensor
- Heating of fresh air with recovery of heat from extracted air

The PCP is a multi-function dehumidifier that can:

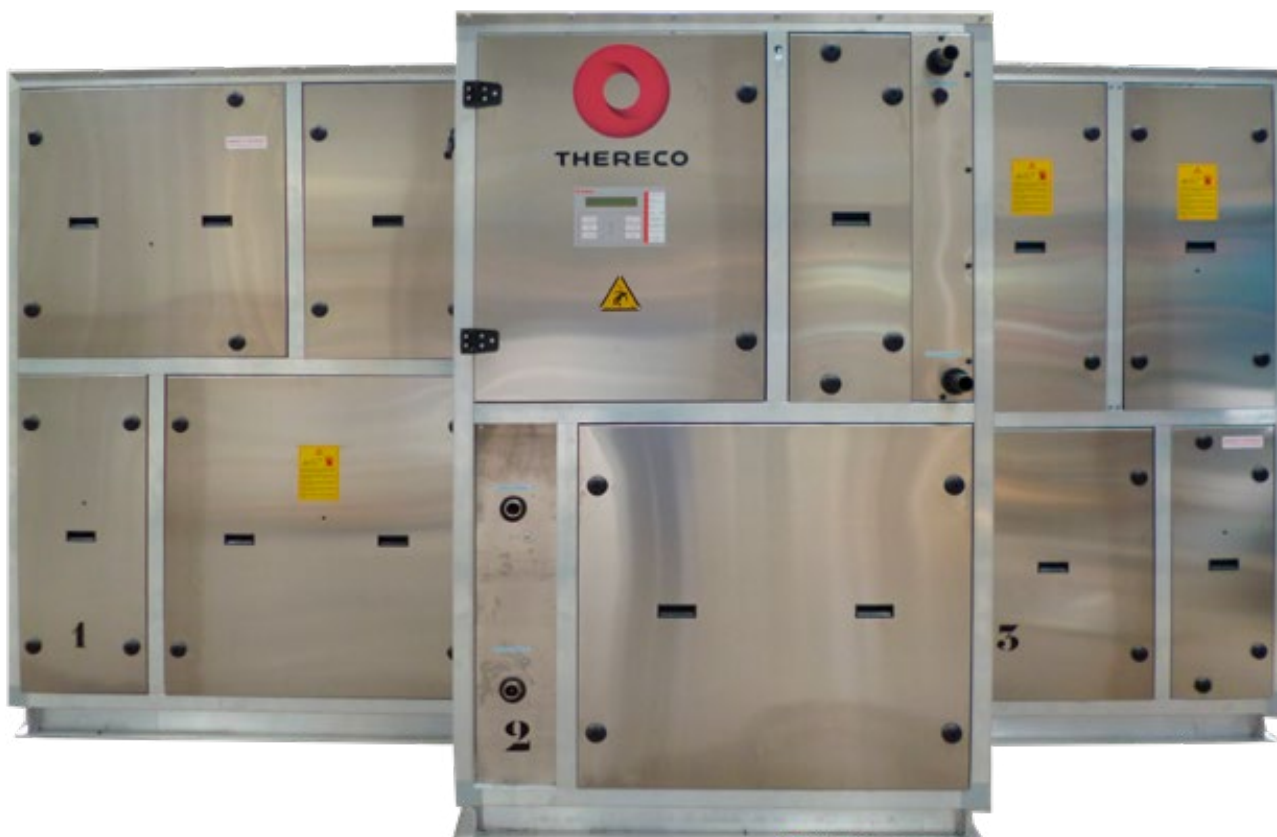
- Heat the pool room
- Heat the pool water (when the pool room air temperature set point is reached)
- Cool the pool room
- Ventilate the pool room

The PCP dehumidifier automatically and independently manages all the pool room parameters:

- Hygrometry
- Air temperature
- Air renewal

The PCP optimises energy consumption:

- The intake of fresh air can be modified according to the pool room occupancy,
- Transfer of calories to heat the pool water when the air temperature is high enough
- A heat pipe reduces power consumption
- Dehumidification by intake of fresh air when conditions allow (compressor stopped)



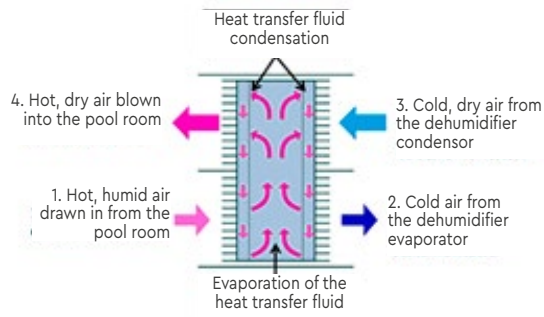
HEAT PIPES PRINCIPAL

Family 4810

Heat pipes accomplish the transfer of heat without consuming energy by using a heat transfer fluid. At the bottom of the heat pipe, the fluid is in liquid phase. It captures heat from the air coming from the pool room and evaporates. It then ascends the heat pipe. At the top of the heat pipe, the gas gives up its heat to the air. It then reverts to liquid phase and falls back to the bottom of the heat pipe.

Thus the heat pipe permits:

- Reduction of the size of the compressor and thus the dehumidifier's consumption,
- Improvement of the COP of the thermodynamic part by pre-cooling the air before it arrives at the evaporator.





Contact our design office

Procopi's design office can carry out dehumidification studies.

Using purpose designed software that includes optimisation of the aerualic flow, the design office draws up a comprehensive, optimised, balanced diagram of the ductwork. A hard copy and soft copy of this diagram is provided.

PROCOPI TOP TIP

Contact our design office
+33 2 99 61 24 64
 or by e-mail: betech@procopi.com



AG3 Aluminium casing

AG3 Aluminium casing comprising:

- A frame made of aluminium profiles,
- A watertight floor made of aluminium with siphons running to the periphery of the frame through PVC tubing and thermal insulation provided by closed cell polyethylene foam,
- A welded structure with sound and thermal insulation of the air treatment section provided by rigid panels of M0 glass wool and aluminium foil
- Double walled aluminium service hatches with M0 glass wool insulation, mounted on aluminium hinges and 1/4 turn locking.

The whole structure forms a rigid monobloc with excellent weather resistance, the casing is guaranteed 10 years against corrosion.

Ventilation

- Direct-drive radial fan,
- Electronically commutated motor, or asynchronous motor fitted with a frequency converter depending on the machine size,
- High yield,
- Versatile configuration,
- Easily regulated to adjust to the load losses of the air handling system.

Filtration

- High efficiency EUROVENT filters, G4 type,
- Low load loss,
- Ecologically responsible products,
- Easy to dismantle,
- M1 fire classification.

3-way mixing box

- Three opposed blade dampers, made entirely of aluminium profiles with leaktight seals, bearings and polypropylene toothed wheels,
- Two (or three) modulating actuators to precisely control their movement.

Auxiliary heating (option)

- Hot water battery; copper tubing, aluminium fins with epoxy resin, anti-corrosion coating,
- Frost protection thermostat supplied and mounted,
- Three way modulating valve, supplied mounted or not depending on the siting of the dehumidifier.

Static recuperator

- Gravitational heat pipe made of copper tubing with epoxy resin coated aluminium fins.

Thermodynamic dehumidification unit

One or two thermodynamic circuits each comprising:

- A SCROLL compressor,
- An epoxy coated aluminium fin and copper tube evaporator with aluminium frame,
- An epoxy coated aluminium fin and copper tube air condenser with aluminium frame,
- A water condenser (optional),
- Externally pressure equalized thermostatic expansion valve,
- A sight glass and a drier,
- LP/HP pressure gauges.

Electrical equipment – safety

- Electrical board located in the technical compartment regrouping the control, protection and safety components as well as regulation of the automatic operation,
- Touch screen display to view and set machine operating parameters and view the error log,
- Standard power supply: 3ph 400V 50Hz + earth without neutral,
- Cut-off switch located outside the cabinet,
- Isolating transformer with screen, 400/ 230/ 24 V,
- Overcurrent and short circuit safety and power switches with high breaking capacity,
- THERAUTO programmable PLC,
- Smoke detector with autonomous triggering sensor as of 10,000 m³/h
- Filter clogging sensor,
- Air flow controller.

OPTIONS

- Delivered in sub-assemblies to be fitted together on side,
- Smoke damper located at the blower and slaved to the ionic autonomous triggering detector,
- Electrical battery comprising stainless steel shielded elements, with a safety thermostat and air flow sensor,
- Thermodynamic reversibility to operate in cooling mode,
- Lighting of the technical compartment,
- Acoustic treatment depending on the installation site,
- Water condenser (auxiliary heating of the pool water),
- Hot air battery (heating the air in the pool room).

Siting:

- PCP dehumidifiers may be installed in a plant room or outdoors.

DUAL FLOW THERMODYNAMIC DEHUMIDIFIERS

TECHNICAL DATA, PCP MODEL

Family 4810

	PCP 7	PCP 9	PCP 11	PCP 12	PCP 16	PCP 18	PCP 22	PCP 24	PCP 32	PCP 38	PCP 50	PCP 60
Capacity (litres/hour), air temp 30°C, RH 70% *	20.7	29.7	32.6	39	47.3	59.9	65	79	97.5	108.4	140.8	173.8
Capacity (litres/hour), air temp 28°C, RH 70% *	19.9	28.1	31	37.3	45.1	56.8	62.2	75.6	90.1	102.8	136.4	170.5
Power consumed by the compressors	4.9	6.6	7.3	8.7	11.3	13.4	14.7	17	21.9	26.4	36.8	45.5
Heating power at the air condenser (1)	26	35	39.3	46.5	58.1	70.4	79.2	94.4	118.9	135.7	182.1	226.6
Power transferred by the heat pipe (1)	6.6	9.6	10.2	12.8	14.2	19.4	20.6	25.9	28.6	32.9	43.3	53.2
Total power transferred (1)	32.3	44.6	49.6	59.3	72.2	89.8	99.7	120.3	147.5	168.6	225.4	279.7
Number of circuits/ compressors	1/1	1/1	1/1	1/1	1/1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Refrigerant fluid	R407C											
Nominal air flow (m³/h)	3900	4900	5750	6600	8200	9800	11500	14000	17500	20500	26000	31500
Blower motor power (2) (kW)	2.2	2.2	3	3	5.5	5.5	5.5	7.5	11	11	2 × 7.5	2 × 11
Exhaust motor power (2) (kW)	2.2	2.2	3	3	4	4	5.5	5.5	7.5	11	2 × 7.5	2 × 7.5
Pressure available, blowing (Pa)	400	400	400	400	400	400	400	400	400	400	400	400
Pressure available, exhaust (Pa)	300	300	300	300	300	300	300	300	300	300	300	300
Maximum current (2) (A)	24.8	33.8	38	40.7	55.7	58.2	63.7	72.9	102.3	115.5	154.4	199
Power supply	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V
Water condenser option												
Heating power, water (1) (kW)	26.4	35.8	40.3	47.2	59.7	72	80.9	95.6	121	138.7	186	233
Water flow rate, condenser (m³/h)	2.4	2.9	3.5	4.1	5	5.8	7	8.3	10.2	11.8	15.9	20
Water condenser load loss (mWC)	3.2	2.3	3.0	4.0	3.5	2.3	3.0	4.2	3.7	3.3	4.2	4.9
Number of circuits/ compressors	1/1	1/1	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2
Cooling option												
Cooling power (3)	19.3	26.2	29.5	34.8	42.6	52.6	59.2	71.3	87.5	100	132.4	164.2

(1) : Technical data quoted for 100% recycled air (air temperature 28°C, RH 70%, water temperature 28°C).

(2) : Power and current values quoted at a nominal air flow and available pressure of 400 Pa at the blower fan and 300 Pa at the intake fan. The maximum operating current should be used to size the power cables for each device.

(3) : Technical data quoted for all fresh air (32°C 40% RH) and all extracted air (28°C 70% RH) operation.

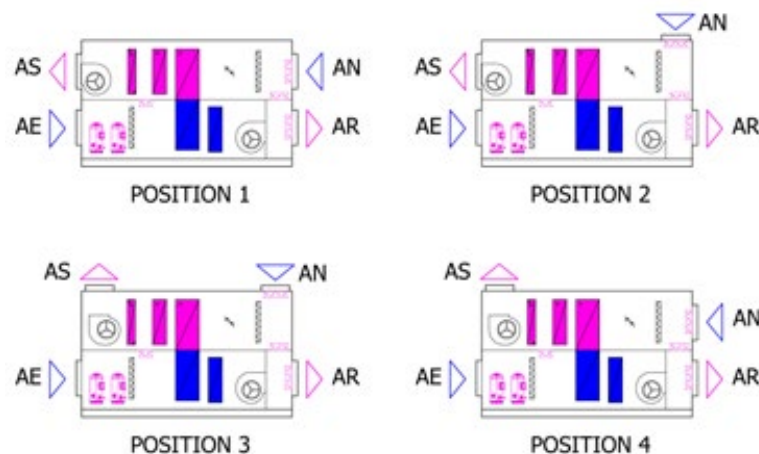


The standard range presented is not exhaustive. On request, Procopi can study all adaptations and provisions as well as powers and air flows greater than and less than the nominal values.

Contact our design office
+33 2 99 61 24 64
 or by e-mail: betech@procopi.com

STANDARD CONFIGURATIONS

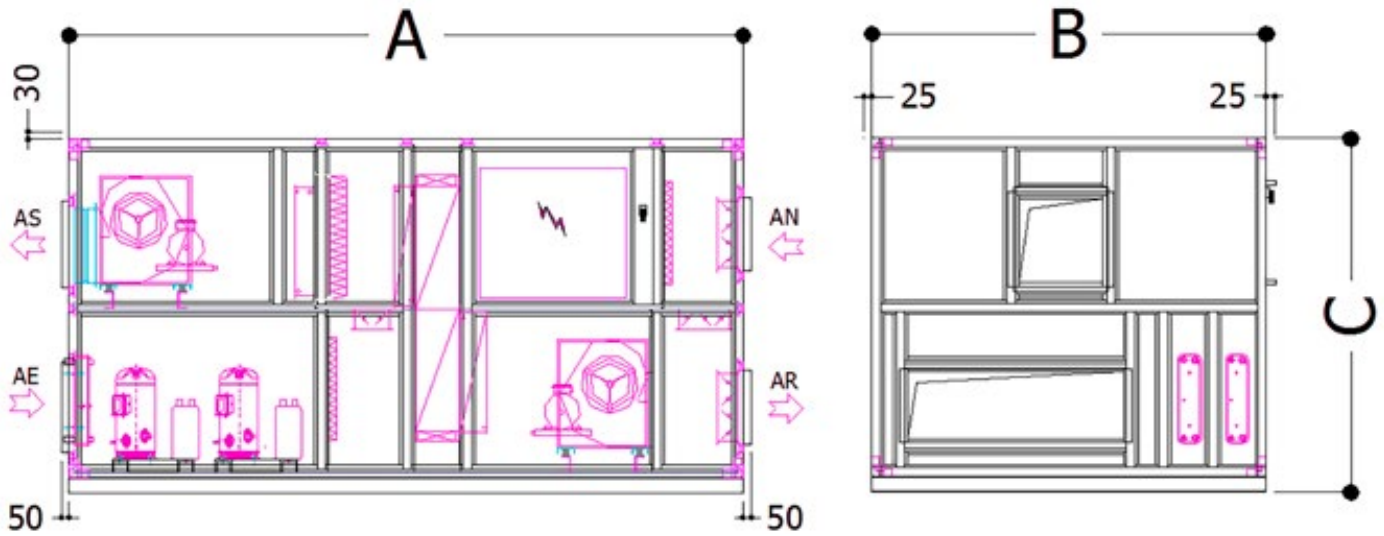
Family 4810



AS	Blown air
AE	Extracted air
AN	Fresh air
AR	Exhaust air

PCP FOOTPRINT & WEIGHT

Family 4810



Type of machine	PCP 7	PCP 9	PCP 11	PCP 12	PCP 16	PCP 18	PCP 22	PCP 24	PCP 32	PCP 38
A-Length (mm)	3200	3350	3350	3600	3600	4100	4100	4400 *	4400 *	4600 *
B-Length (mm)	1500	1650	1650	1950	1950	2400	2400	2400 *	2400 *	2400 *
C-Height (mm)	1500	1750	1750	1850	1850	2150	2150	2475 *	2475 *	2650 *
Weight (Kg)	1030	1180	1180	1350	1350	1850	1950	2270	2350	2550

*Double skin casing wall as standard 50mm

+ Dimensions and weights below are provided for information purposes, they reflect standard configurations and may be varied depending on the configuration and options selected. Technical data may be modified to adapt to the project.



OPTIMA HEATERS

Family 4810

- Free-standing or wall mounted, easy to install.
- Very safe operation.
- Robust, hard wearing design.
- Digital read out of the flow rate, no connection to the pump required,
- Low Watt Density technology on the elements reduces build-up of dirt and guarantees long term reliability.
- Titanium elements – guaranteed 3 years against co, housed in BS 316 stainless steel (Titan Optima).
- Dual cascade wired Schneider contacts on each element bank, the element banks are energised in a staged, cascaded sequence thus avoiding a voltage drop on start-up.
- Digital timers for staged energisation.
- Digital controls provide more accurate control.
- Epoxy powder coated aluminium cabinet.

+ Optima heaters are only available on order.

Code	Description	Price
9361000	Optima Titanium 400V-3ph heater, 18 kW*	
9361100	Optima Titanium 400V-3ph heater, 24 kW*	
9361200	Optima Titanium 400V-3ph heater, 30 kW*	
9361300	Optima Titanium 400V-3ph heater, 36 kW*	
9361400	Optima Titanium 400V-3ph heater, 45 kW*	
9361500	Optima Titanium 400V-3ph heater, 54 kW*	
9361600	Optima Titanium 400V-3ph heater, 60 kW*	
9361700	Optima Titanium 400V-3ph heater, 72 kW*	
9361800	Optima Titanium 400V-3ph heater, 96 kW*	
9361900	Optima Titanium 400V-3ph heater, 120 kW*	

(*) item available on order

HANDHELD, BATTERY RUN POOL VACUUMS



- No need to plug a floating hose into your filtration system or search for a vacuum point. No need for priming, no water channelled to waste, no back washing of the pool filter.
- Ready to go in less than a minute, can be used anywhere, any time. This new vacuum is light and portable, it runs off a battery and can be used to clean pools of all types.
- Fitted with 4 wheels that can pivot through 360 ° and an autonomous filter, it cleans every corner of the pool quickly and efficiently. Large debris, and large quantities of sand can be trapped in the filter bag without any loss of power.
- Delivered with a transport trolley. The pump and the battery are marine grade.



- 4 wheels that pivot 360°
- Transport trolley
- No priming
- Autonomous
- 4 types of filter



Filter

Battery

QUICK VAC' WADING POOL

Family 3665



- Width: 40 cm,
- Suction power: 40 m³/h,
- Trolley/Frame: painted aluminium/ UNBS
- Cable length: 14 m,
- Weight outside the water: 5 kg,
- Pump: 250 W,
- Filtration (microns): 100, 250, 1000
- Filtration capacity: 2 kg,
- Autonomy : 3 h,
- Power supply: 12 V – Battery,
- Min water depth: 15 cm.

Code	Description	Price
1020900	Quick Vac' paddling pool*	

QUICK VAC' CLASSIC

Family 3665



- Width: 40 cm,
- Suction power: 40 m³/h,
- Trolley/Frame: painted aluminium/ UNBS
- Cable length: 14 m,
- Weight outside the water: 5 kg,
- Pump: 250 W,
- Filtration (microns) : 100, 250
- Filtration capacity: 4 kg,
- Autonomy: 3 h,
- Power supply: 12 V – Battery,
- Min water depth: 30 cm.

Code	Description	Price
1020950	Quick Vac' Classic*	

PEPS 200

- 1 casing width
- Cable length 20 m
- Stainless steel transport trolley
- Choice of 4 filtration grades

TECHNICAL DATA	PEPS 200
Pool length	Up to 25 m
Robot width	40 cm
Scanning rate	16 m/mn
Suction power	37 m ³ /h
Weight out of water/ weight in water	14 kg/ 2 kg
Cable length	20 m
Transport trolley	in stainless steel (included)
Filtration capacity	6 kg of sand
Infra red (wall detection)	2
Power supply	110 v-240 v / 24 v-



- Professional pool robot, 14 kg, 37 m³/h pump.
- Peps 200 is the result of research and development by Hexagon into professional pool cleaning.
- Hexagon is the leader in commercial pool cleaning: the Peps 200 pool robot is the latest entry into the semi-commercial market (hotels, camp sites; schools, residential housing, sports clubs and exacting home owners).

The 3 main reasons to choose Peps 200:

1/ Construction

Hard wearing aluminium alloy casing. Robust, easy to clean design. Withstands daily use by multiple people.

2/ Performance

With a 37m³/h pump, the Peps 200 pool robot is extremely powerful and has the best filtration capacity of any robot available on the market (the filter can hold up to 6 kg of sand).

With its rapidly rotating Stiff Bristle brushes and powerful suction, it is the ideal pool cleaning partner.

3/ Intelligent

Fitted with a gyroscopic controller and two IR sensors, its automatic learning mode makes the Peps 200 pool floor robot quick and efficient, a cleaning cycle for a 15m x 10m pool takes less than 25 minutes. Peps 200 pool floor robots are efficient and easy to use.

Peps 200 pool floor robots are delivered with a remote control and transport trolley.

PEPS 200

Family 3665

Code	Description	Price
1020800	Peps 200	





Chrono MP3 M & XL

- Automatic cleaning mode following an intelligent Magellan cross cleaning pattern,
- Long range, shock proof, watertight, 8 function remote control,
- Simplified cleaning of the filter without touching impurities,
- Self diagnostic system facilitates maintenance.



Magellan system



This intelligent pool robot adapts to pools of any shape.

Over 20,000 lines of code, 10,000 hours of programming to create an intelligent, powerful and efficient robot that keeps your pool clean and guarantees your peace of mind.



CHRONO MP3 M

Family 3665

1



Technical data	MP3 M
Pool length	up to 25 m
Robot width	50 cm
Scanning rate	10 m/mn
Suction power	50 m ³ /h
Weight out of water/ in water	22 kg/ 3 kg
Cable length	25 m
SS transport trolley (3 types)	Reel
Filtration capacity	3.1 kg
Infra red (wall detection)	2 or 4
Power supply	110 v-240 v / 24 v-

CHRONO MP3 XL

Family 3665

2



Technical data	MP3 XL
Pool length	50/60 m
Robot width	75 cm
Scanning rate	14 m/mn
Suction power	55 m ³ /h
Weight out of water/ in water	24 kg/ 3 kg
Cable length	40 m
SS transport trolley (3 types)	roller
Filtration capacity	3.1 kg
Infra red (wall detection)	2 or 4
Power supply	110 v-240 v / 24 v-

	Code	Description	Price
1	1019200	Chrono MP3 M with transport trolley and 25m cable*	
2	1019400	Chrono MP3 XL with transport trolley and 40m cable*	

MAGNUM JUNIOR

Family 3665



1



2



Magnum Junior is designed to clean every inch of your pool. This robot is ideal for pools up to 25 long. Magnum Junior is the only pool robot to offer so much functionality for such a small Price. It has a scan rate of more than 400 m²/hour. 3 cleaning cycles: 3, 4 or 5 hours,

- 16 programmes,
- Vacuums and cleans the pool floor,
- Autonomous remote controlled cleaning robot,
- 1 filtration bag with a 2 micron mesh, reusable,
- Does not get stuck at the base of the pool walls,
- Comes with a metallic transport trolley,
- Power supply: 230 V / 50 Hz,
- Floating cable, 30 m
- Operates at a depth of up to 4.5 m,
- Guaranteed 2 years,
- Width: 37.4 cm.
- Weight: 10.2 kg.

	Code	Description	Price
1	1017600	Magnum junior, with transport trolley and 30 m cable	

MAGNUM

Family 3665



Magnum is designed to clean every inch of your pool. This robot is ideal for pools up to 25 m long. Magnum features an on-board Aqua Smart System for fast cleaning of the entire pool. Its PVA foam brushes are compatible with all types of pool waterproofing: concrete, liner, polyester shell and tiles.

Magnum robots are fitted with two drive motors, a 22 m³/h filtration pump and a large capacity filtration bag that can capture impurities as small as 2 microns. It has a scan rate of 650 m²/hour.

- 3 cleaning cycles: 3 hours, 4 hours or 5 hours,
- 16 programmes,
- Cleans and vacuums the pool floor,
- 1 reusable filtration bag
- No installation required : just drop it into the pool,
- Autonomous and radio controlled automated cleaner,
- Does not get stuck at the base of the wall,
- Compatible with all types of pool waterproofing finishes: concrete, liner, polyester shell and tiles,
- Comes with its metallic transport trolley,
- Power supply: 230V/ 50 Hz,
- Floating cable, 30 m,
- Operates at a depth of up to 4.5 m,
- Guaranteed 2 years,
- Width: 46.8 cm,
- Weight: 12.8 kg.

	Code	Description	Price
2	1017700	Magnum, with a transport trolley and 30 m cable	

ULTRAMAX JUNIOR

Family 3665



2



With its compact size, UltraMax Junior is particularly suited to commercial and public pools up to 40 m long.

The robot vacuums at a rate of more than 720 m²/hour. With its 2 micron filter bag, your pool water is crystal clear in no time.

It comes with a remote control as standard to allow you direct the robot to zones that require more.

- UltraMax Junior features Aqua Smart System technology, this ensures that the robot covers the entire pool floor, vacuuming all debris, in a single cycle. 3 cleaning cycles: 3 hours, 4 hours, 6 hours, 3 cleaning cycles: 3, 4 or 5 hours,
- 19 programmes,
- Cleans and vacuums the pool floor,
- Autonomous and radio controlled automated cleaner,
- 1 filtration bag with a 2 micron mesh, reusable,
- Does not get stuck at the base of the pool walls,
- Comes with a metallic transport trolley
- Power supply: 230 V / 50 Hz,
- Floating cable, length 36 m,
- Operates at a depth of up to 4.5 m,
- Guarantee 2 years
- Width: 47.6 cm,
- Weight: 18.5 kg.



	Code	Description	Price
1	1017800	UltraMax junior, with transport trolley and 36 m cable	

ULTRAMAX

Family 3665

The UltraMax robot is purpose designed for private and commercial pools up to 50 m in length. It's on-board "Aqua Smart System" ensures impeccable, swift cleaning of the entire pool. Fitted with PVA foam brushes, it is compatible with all types of pool waterproofing finishes: concrete, liner, polyester shell and tiles.

UltraMax offers a list of 19 programmes, you can choose the perfect programme for your pool: the cleaning intensity, the pool dimensions and the pool waterproofing finish, etc..

- It has a scan rate of 865 m²/hour. 3 cleaning cycles: 3, 4 or 6 hours,
- 19 programmes,
- Cleans and vacuums the pool floor,
- Autonomous and radio controlled automated cleaner,
- 2 reusable filtration bags,
- Does not get stuck at the base of the wall,
- Comes with its metallic transport trolley,
- Power supply: 230V/ 50 Hz
- Floating cable, 36 m or 45 m on order,
- Operates at a depth of up to 4.5 m,
- Guarantee 2 years
- Width: 70.5 cm,
- Weight: 20.4 kg.

	Code	Description	Price
2	1017900	UltraMax, with transport trolley and 36 m cable	



WATER TESTING SOFTWARE

Label Soft is a test station intended for professionals who want to offer comprehensive, dynamic pool water testing service to their clients. The Label Soft test station comprises a PoolTest 9, a laptop loaded with the Label Soft application developed by Procopi and a printer.

With the Label Soft test station you can;

- Manage a data base containing the details of each client's pool (volume, water treatment system, chemicals used, etc.).
- Manage and keep a log of all tests carried out and recommendations made for each client in the data base.
- Print out the results of water testing with a reminder of previous values recorded and a comparison with allowed limits: Free and total Chlorine, Bromine, Ozone, pH, Cyanuric acid, TH, TA, Copper and Iron.

The application can also measure water equilibrium according to the Palintest or Langelier indices.

- Print customised recommendations for each client based on the values obtained after testing.

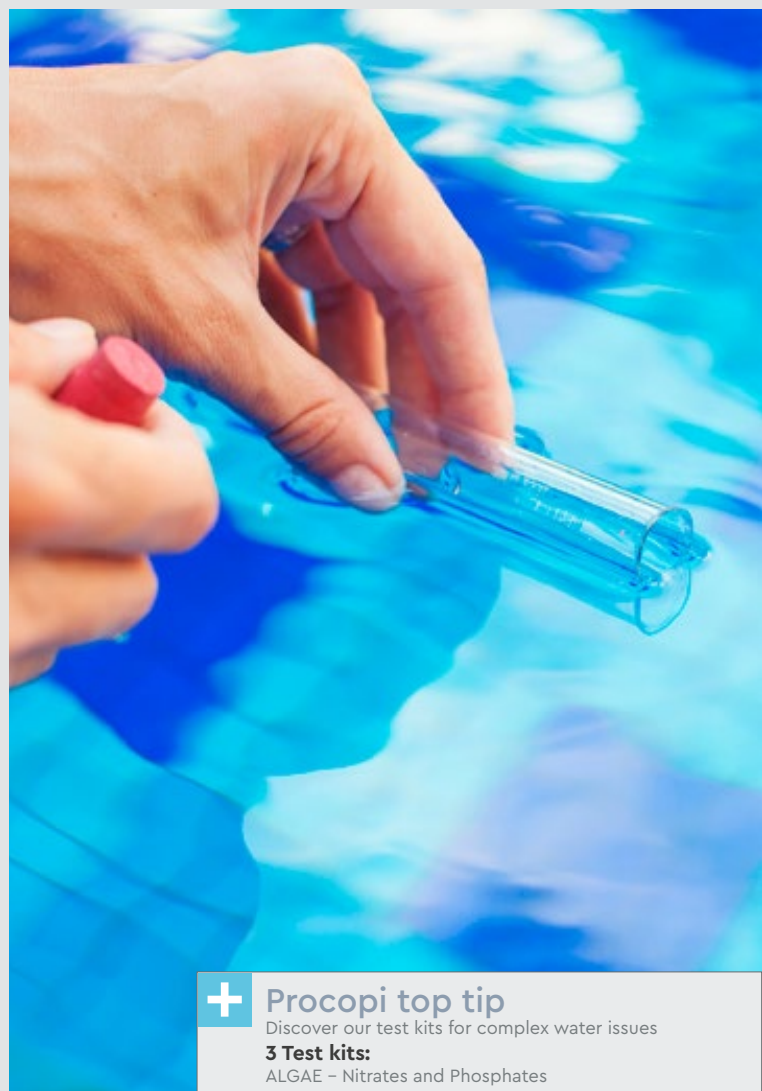
Updates to the Label Soft application are entirely free of charge.



+
PROCOPI TOP TIP



PoolTest 25 (807950) is listed on page 341



+ **Procopi top tip**
Discover our test kits for complex water issues
3 Test kits:
ALGAE – Nitrates and Phosphates
METALS – Copper, Manganese, Iron
WELL WATER

BWT COMMERCIAL OFFERS A RANGE OF PURISSIMEAU POOL CHEMICALS DEVELOPED SPECIFICALLY TO EFFICIENTLY TREAT COMMERCIAL POOLS (POOLS, HOTELS, CAMP SITES, ETC.).



Disinfection

Disinfectants to eliminate micro-organisms such as algae, bacteria and fungi from the pool.

Balance

Products to maintain correct water balance, key to the proper maintenance of your pool water.

Maintenance

Products dedicated to the upkeep of your pool, the water line, walls and liners.

Algaecide

Preventative and curative algicides to counteract the growth of algae in the pool water.



Code	Description	Sold as	Price per unit	Units per paller	Unit price per pallet
8790110	BWT Commercial slow release Chlorine, 25 Kg	1		18	
8790200	BWT Commercial liquid Chlorine 48°, 20 L	1		28	
8790260	BWT Commercial 20g Chlorine shock treatment, 25 Kg	1		18	
8790310	BWT Commercial Chlorine shock treatment, granules, 25 Kg	1		18	
8790670	BWT Commercial pH Minus liquid, 25 Kg	1		28	
8790690	BWT Commercial pH Plus liquid, 25 Kg	1		28	
8790710	BWT Commercial stabiliser, 25 Kg	1		18	
8790730	BWT Commercial TAC +, 25 Kg	1		18	
8790750	BWT Commercial TH+, 5Kg	1		88	
8790780	BWT Commercial Hydrochloric acid, 24 Kg	1		18	
8790800	BWT Commercial Algicide, 20 L	1		18	



These are ready-to-mount panels containing everything you need for a commercial pool water treatment installation.

The various components are assembled and pre-mounted on a bakelite plate 1000 × 800 mm (L x W). The panel can be customised (screen painted) with the installers name.

Pre-mounted installation panels are available for three pool dimensions:

- Pools less than 300 m³*,
- Pools from 300 m³ to 800 m³*,
- Pools larger than 800 m³ (contact us).

* Caution, data is provided for information purposes only, the choice of panel will depend on the intensity and frequency of use as well as the pools geographical location. Your Procopi agent will be able to provide you with more detail.

Description	Pool < 300 m ³		Pools 300 to 800 m ³		Pools 300 to 800 m ³	
LD Cl and pH digital free chlorine regulator	1	included	1	included	1	included
LCOMM-1 communication module	X	option	X	option	X	option
Cl, pH and T° probe housing + PEF-1 flow control	1	included	1	included	1	included
Amperometric probe for free chlorine ECL3S/10	1	included	1	included	1	included
EPHS pH sensor	1	included	1	included	1	included
ETEPT temperature sensor	1	included	1	included	1	included
Filter cartridge NFIL/60	1	included	1	included	1	included
Active carbon cartridge for '0' calibration	1	included	1	included	1	included
Buffer solution, for calibration of pH 4 and pH 7	1	included	1	included	1	included
Electrolyte solution for the amperometric cell	1	included	1	included	1	included
Dosing pump FIS, 0 to 10 litres/hour – 230 volts •	1	included	-	-	-	-
Dosing pump GIS, 0 to 20 litres/hour – 230 volts •	1	included	1	included	-	-
Dosing pump GIS, 0 to 50 litres/hour – 230 volts •	-	-	1	included	1	included
Dosing pump GIS, 0 to 70 litres/hour – 230 volts •	-	-	-	-	1	included
Storage tank, 50 litres, no stirrer	X	option	-	-	-	-
Storage tank, 120 litres, no stirrer	X	option	X	option	-	-
Storage tank, 200 litres, no stirrer	-	-	X	option	Set of 2	option
Stirrer	X	option	X	option	X	option
Code	9145400 *		9145700 *		9145900 *	
Total cost of the panel mounted installation						

(X) : This equipment is recommended but not included in the price..

(•) CAUTION: flow rates can vary as a function of the exact pool volume.

(*) item available on order

CHLORINE AND PH DOSING PUMP

Family 4710

Our proportional , electromagnetic dosing pumps are fitted with PVDF injection heads (chlorine model). They have a protection rating of IP-65 signifying that they are immune to dust and jets of water.

Proportional pumps:

the pump operates at a percentage of its capacity, the percentage is determined based on the difference between a value measured in the pool water and the set point value. The higher this value, the greater the quantity that will be injected with each pulse and vice versa.

Electromagnetic pumps:

The pump is fitted with an electromagnet that transmits pulses to a PVDF membrane. The pulse frequency varies between 0 and 160 pulses per minute. The piston movement created is less than 1 mm.

PVDF:

PolyVinylidene Fluoride a very hard-wearing thermoplastic. Unlike other fluorine polymers, it withstands high temperatures, U.V. irradiation and corrosive environments.



+ The GIS chlorine and pH dosing pumps are delivered with:
A suction/filtration strainer, A tank low level sensor, An injection rod, Flexible suction, drainage and purge hoses

Code	Description	Price
	Chlorine and pH dosing pump	
9151200	GIS dosing pump, 0 to 20 litres/hour – 230 volts*	
9151400	GIS dosing pump, 0 to 50 litres/hour – 230 volts*	
9151600	GIS dosing pump, 0 to 70 litres/hour – 230 volts*	
	pH dosing pump	
9152100	FIS dosing pump, 0 to 10 litres/hour – 230 volts*	
9152200	GIS dosing pump, 0 to 20 litres/hour – 230 volts*	
9152400	GIS dosing pump, 0 to 50 litres/hour – 230 volts*	

ACCESSORIES FOR DOSING PUMPS

Family 4710

Suction strainers and injection fittings are equipped with a screen filter and balls to prevent flowback.

Code	Description	Price
9149037	PVC suction strainer 8x5mm*	
9149038	PVC suction strainer 12x9mm*	
9149019	PVC injection fitting 8x5 mm*	
9149020	PVC injection fitting 12x9 mm*	
9149033	Polyethylene dosing line 8x5mm*	
9149034	Polyethylene dosing line 12x9mm*	



STORAGE TANKS

Family 4710

	Code	Description	Ø in mm	Height in mm	Price
1		Storage tanks for dosing pumps			
	9149014	120 litre storage tank	510	730	
	9149015	200 litre storage tank	570	980	
2		Holding tank for storage tanks			
	9149009	120 litre holding tank*	570	730	
	9149010	200 litre holding tank*	610	920	
3		Electric stirrer			
	9149001	Slow electric stirrer, stainless steel/PVC, 65 RPM L 63, 73 83 cm*			
	9149002	Fast electric stirrer, stainless steel/PVC, 1400 RPM L 63, 73 83 cm*			
4		Manual stirrer			
	9149003	Hand stirrer, length 60 cm, max*			



Tanks are graduated and fitted with screw tops.

+ **Procopi top tip**
Other equipment and accessories are listed as of page 351.

(*) item available on order and subject to a 30% deposit.

WATER TREATMENT

ACCESSORIES

Family 4710

	Code	Description	Price
1	9149070	Suction fitting for a storage tank 60 cm high*	
1	9149071	Suction fitting for a storage tank 80 cm high*	
1	9149072	Suction fitting for a storage tank 115 cm high*	
2	9149040	Cl, pH and T° housing + PEF-1 flow control*	
3	9141740	Amperometric sensor, free Cl, closed cell, SVCL*	
	9141735	Regenerated amperometric sensor SVCL3S/20*	
4	9149066	pH sensor EPHS*	
5	9149067	Temperature sensor ETEPT*	
6	9149128	Active carbon cartridge for '0' calibration*	
	9141745	Electrolyte solution for amperometric sensor SCL *	



LOG BOOK

Family 4710



Code	Description	Price
806200	Log book to record pH and Chlorine values	
806200	Log book to record pH and Chlorine values Set of 12, per unit	

PEDICHLORE

Family 4710



Code	Désignation	Prix H.T.
8890300	Pedichlore	

(*) item available on order

UV reactor BIO-UV for commercial pools & spas


Approved by the French minister for health

Today, most commercial pools and spas are treated with chlorinated products that are good oxidising agents but that give rise to unpleasant by-products like chloramines. These compounds are irritants, corrosive and have an unpleasant odour. These are bad for our health and can provoke respiratory ailments in life guards, babies and competitive swimmers.

For these reasons, PROCOPI selected a range of UV reactors designed to eliminate these harmful by-products from the water in commercial pools and spas.

This range of devices ensures:

- 80% reduction in the concentration of combined Chlorine,
- Improved air quality for the well-being and health of bathers and personnel,
- A more pleasant bathing experience thanks to the elimination of by-products that would otherwise irritate the eyes and mucous membranes,
- Reduction of the volume of water to be renewed: savings of as much as 60%, depending on the pool and by following our recommendations.

 For your UV reactor study, please contact your Procopi agency

LOW PRESSURE UV REACTORS

Family 4710

	Description	Price
	9115100 UV reactor 3205 - 3x87 W - 15 m ³ /h - 63 mm connections*	
1	9115150 UV reactor 3205 HO - 3x87 W - 22 m ³ /h - 75 mm connections*	
	9115200 UV reactor 4205 HO - 3x87 W - 30 m ³ /h - 75 mm connections*	
	9115300 UV reactor 5205 HO - 4x87 W - 37 m ³ /h - 75 mm connection*	
	9115400 UV reactor 6205 HO - 5x87 W - 43 m ³ /h - 75 mm connections*	
	9115450 UV reactor 6205 HO+ - 6x87 W - 67 m ³ /h - 75 mm connections*	



MEDIUM PRESSURE UV REACTORS

Family 4710

	Description	Price
	9116100 UV reactor MPL030 EL 1x400 W - 20 m ³ /h - Connection ND 100*	
2	9116200 UV reactor MPL030 EL 1x600 W - 30 m ³ /h - Connection ND 100*	
	9116300 UV reactor MPL030 EL 1x1 kW - 50 m ³ /h - Connection ND 100*	
	9116400 UV reactor MP 100 TS 1x1 kW - 80 m ³ /h - Connection ND 125*	
	9118100 UV reactor MP 100 TS 1x1 kW - 80 m ³ /h - Connection ND 125*	
	9118200 UV reactor MP 125 TS 1x3 kW - 140 m ³ /h - Connection ND 150*	
3	9118300 UV reactor MP 140 TS 1x3 kW - 300 m ³ /h - Connection ND 200*	
	9118400 UV reactor MP 240 TS 2x3 kW - 450 m ³ /h - Connection ND 250*	



(*) item available on order




Manoa 250 spa

6 Massage stations, 32 jets

Technical data

- Seating capacity: 6
- Number of massage jets: 32
- Shell dimensions (cm): 250 × 250
- Water volume (litres): 1000
- Shell weight (kg): 180
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1



Manoa 280 spa

8 Massage stations, 32 jets

Technical data

- Seating capacity: 8
- Number of massage jets: 32
- Shell dimensions (cm): 280 × 280
- Water volume (litres): 1400
- Shell weight (kg): 220
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1



Rainbow 225 spa

7 massage stations, 32 jets

Technical data

- Seating capacity: 7
- Number of massage jets: 32
- Shell dimensions (cm): 226 × 226
- Water volume (litres): 1050
- Shell weight (kg): 200
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1



Spa Rainbow 250

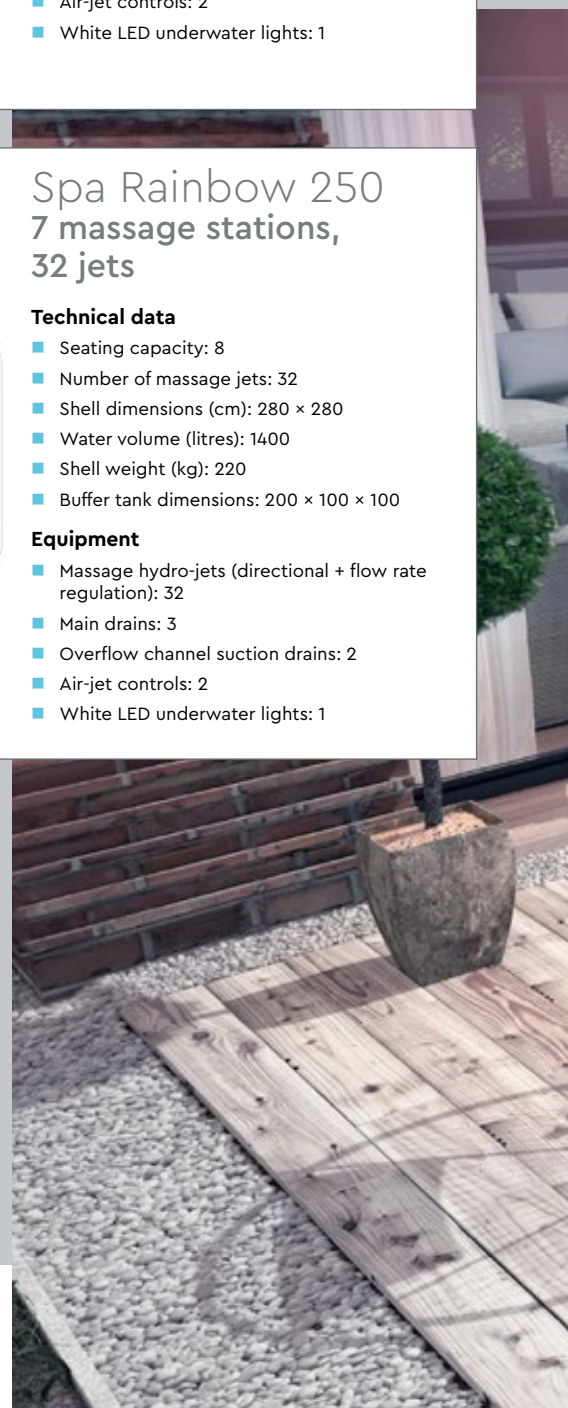
7 massage stations, 32 jets

Technical data

- Seating capacity: 8
- Number of massage jets: 32
- Shell dimensions (cm): 280 × 280
- Water volume (litres): 1400
- Shell weight (kg): 220
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1





Rainbow 290 spa 7 massage stations 32 jets

Technical data

- Seating capacity: 7
- Number of massage jets: 32
- Shell dimensions (cm): 290 × 290
- Water volume (litres): 1600
- Shell weight (kg): 200
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1



Spa Waimea 250 7 massage stations 32 jets

Technical data

- Seating capacity: 6
- Number of massage jets: 32
- Shell dimensions (cm): 250 × 250
- Water volume (litres): 1000
- Shell weight (kg): 180
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- White LED underwater lights: 1



Iguazu 300 spa 7 massage stations 13 jets

Technical data

- Seating capacity: 7
- Shell dimensions (cm): 249 × 249
- Water volume (litres): 2100
- Shell weight (kg): 220
- Buffer tank dimensions: 200 × 100 × 100

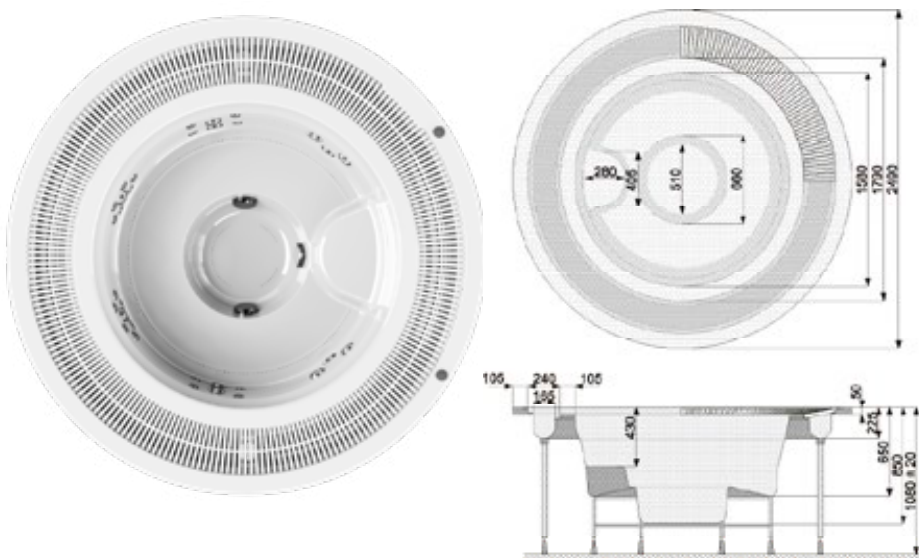
Equipment

- Massage hydro-jets (directional + flow rate regulation): 13
- Main drains: 4
- Overflow channel suction drains: 2
- Air-jet controls: 2



MANOA 250 SPA - 6 MASSAGE STATIONS - 32 JETS

Family 8620

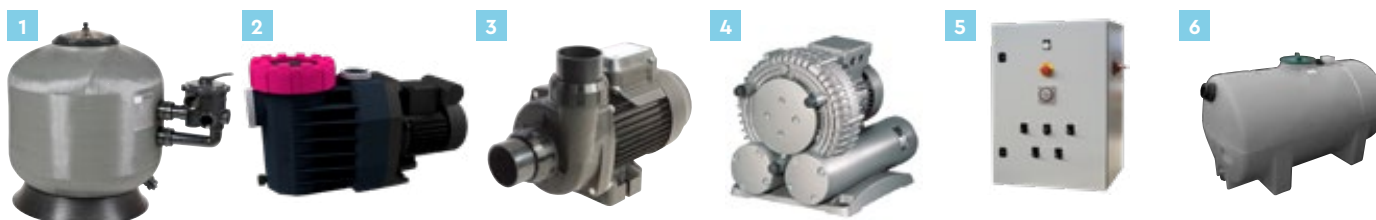


All our commercial spas are fitted with stainless steel jets as standard.

White

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2488950	Manoa 250, shell only, 32 jets - white	250 × 250	111	
82200	Commercial spa transport costs		Net price exVAT	
Overflow spa with sand filter and buffer tank				
2488960	Manoa 250, shell only, 32 jets - white	250 × 250	111	
82200	Commercial spa transport costs		Net price exVAT	



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II 200 pump, 18 m³/h,
- 3** 2 Massage pump, 27 m³/h 1ph,
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

- Seating capacity: 6
- Seating capacity: 32
- Shell dimensions (cm): 250 × 250
- Water volume (litres): 1000
- Shell weight (kg): 180
- Buffer tank dimensions: 200 × 100 × 100

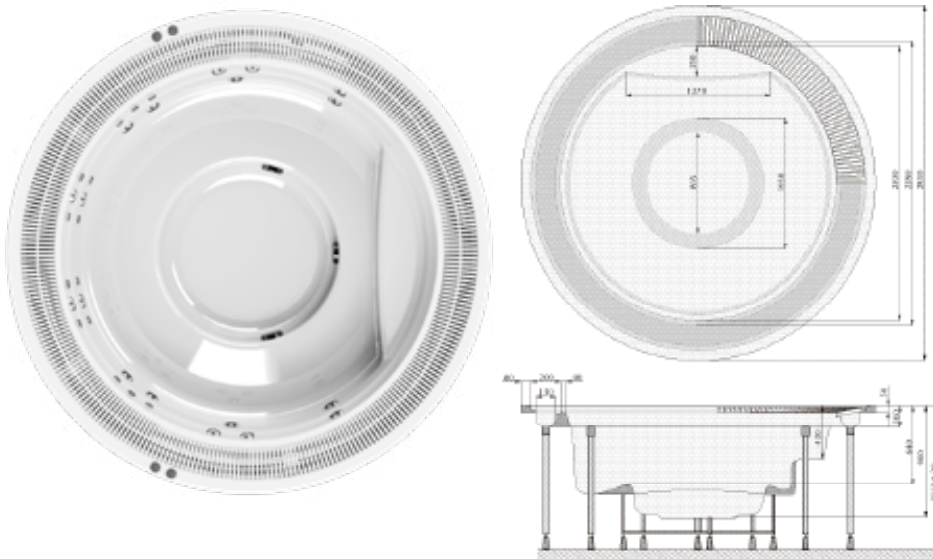
Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- Shell weight (kg): 1



MANOA 280 SPA - 8 MASSAGE STATIONS - 32 JETS

Family 8620

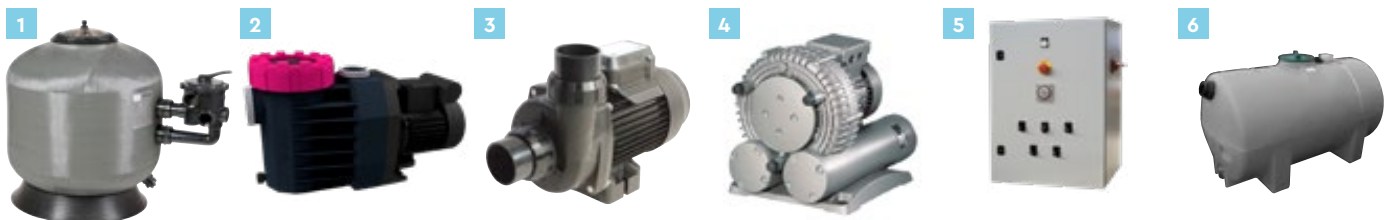


All our commercial spas are fitted with stainless steel jets as standard.

White

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2489950	Manoa 280, shell only, 32 jets – white	280 × 280	118	
82200	Commercial spa transport costs			Net price exVAT
Overflow spa with sand filter and buffer tank				
2489960	Manoa 280, shell only, 32 jets – white	280 × 280	118	
82200	Commercial spa transport costs			Net price exVAT



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II 200 pump, 18 m³/h,
- 3** 2 Massage pump, 27 m³/h 1ph,
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

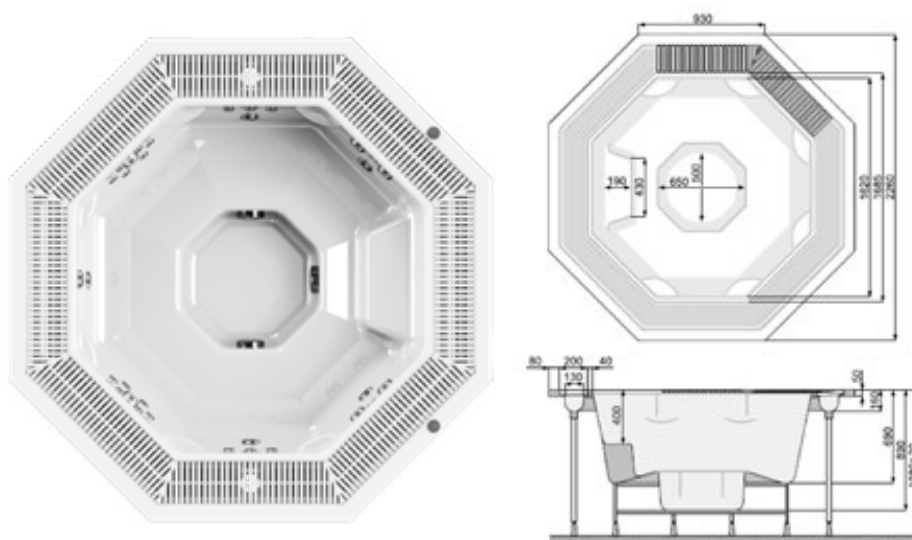
- Seating capacity: 6
- Seating capacity: 32
- Shell dimensions (cm): 250 × 250
- Water volume (litres): 1000
- Shell weight (kg): 180
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- Shell weight (kg): 1

RAINBOW 225 SPA - 7 MASSAGE STATIONS - 32 JETS

Family 8620

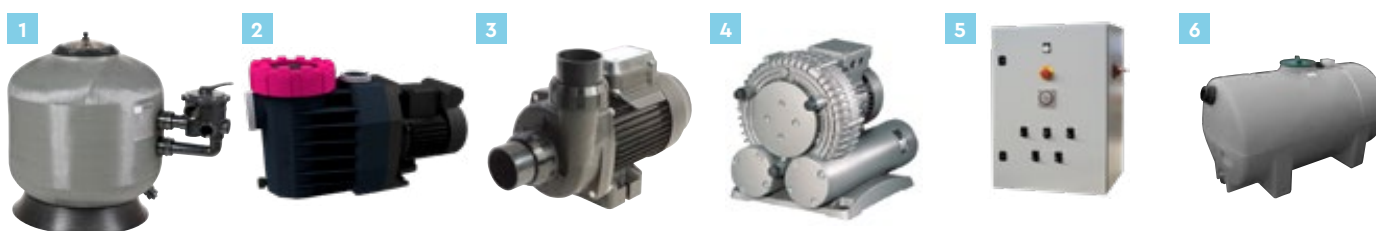


White

All our commercial spas are fitted with stainless steel jets as standard.

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2495950	Rainbow 225, shell only, 32 jets - white	226 × 226	108	
82200	Commercial spa transport costs		Net price exVAT	
Overflow spa with sand filter and buffer tank				
2495960	Rainbow 225, shell only, 32 jets - white	226 × 226	108	
82200	Commercial spa transport costs		Net price exVAT	



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II pump, 3ph
- 3** 2 Shell weight (kg):
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

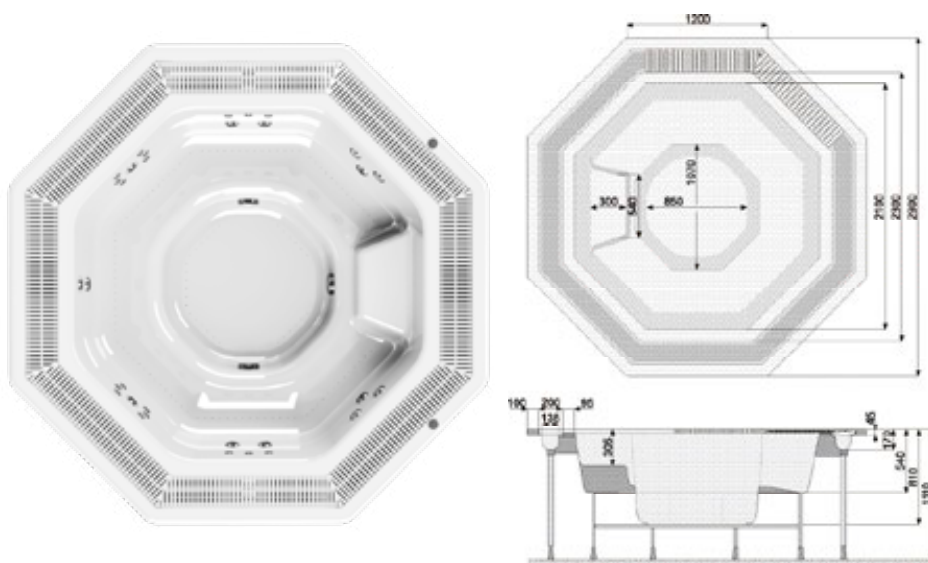
- Seating capacity: 7
- Seating capacity: 32
- Shell dimensions (cm): 226 × 226
- Water volume (litres): 1050
- Shell weight (kg): 200
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- Shell weight (kg): 1

RAINBOW 290 SPA - 7 MASSAGE STATIONS - 32 JETS

Family 8620

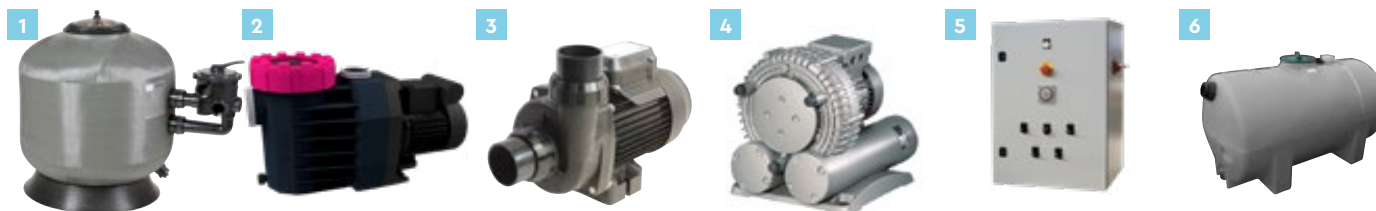


All our commercial spas are fitted with stainless steel jets as standard.

White

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2487950	Rainbow 290, shell only, 32 jets - white	290 x 290	111	
82200	Commercial spa transport costs			Net price exVAT
Overflow spa with sand filter and buffer tank				
2487960	Rainbow 290, shell only, 32 jets - white	290 x 290	111	
82200	Commercial spa transport costs			Net price exVAT



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II 200 pump, 18 m³/h,
- 3** 2 Massage pump, 27 m³/h 1ph,
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

- Seating capacity: 7
- Seating capacity: 32
- Shell dimensions (cm): 290 x 290
- Water volume (litres): 1600
- Shell weight (kg): 220
- Buffer tank dimensions: 200 x 100 x 100

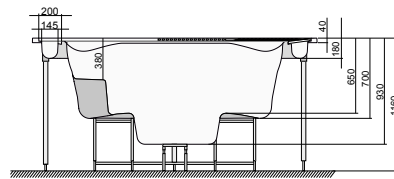
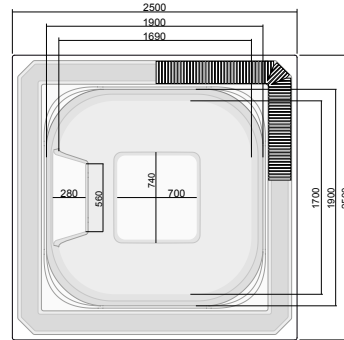
Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- Shell weight (kg): 1



SPA WAIMEA 250 - 7 MASSAGE STATIONS - 32 JETS

Family 8620

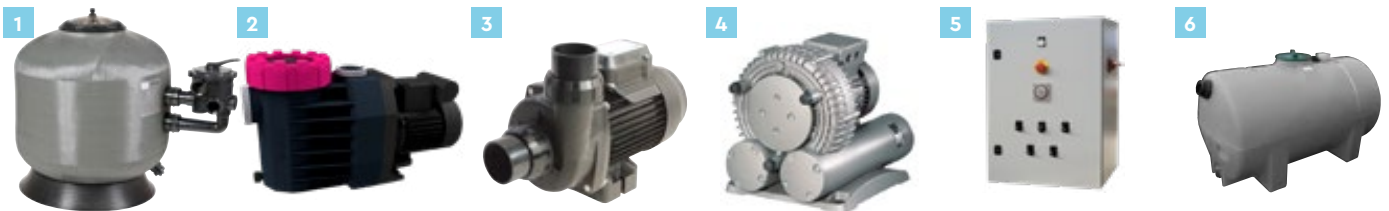


All our commercial spas are fitted with stainless steel jets as standard.

White

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2497950	Waimea 250, shell only, 32 SS jets, White	250 x 250	116	
82200	Commercial spa transport costs		Net price exVAT	
Overflow spa with sand filter and buffer tank				
2497960	Waimea 250, 32 SS jets, White	250 x 250	116	
82200	Commercial spa transport costs		Net price exVAT	



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II 200 pump, 18 m³/h,
- 3** 2 Massage pump, 27 m³/h 1ph,
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

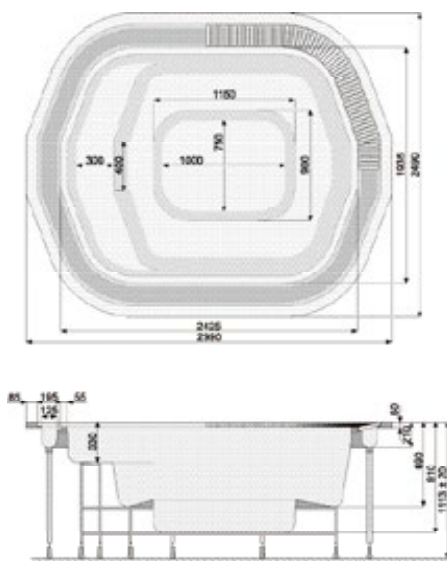
- Seating capacity: 6
- Seating capacity: 32
- Shell dimensions (cm): 250 x 250
- Water volume (litres): 1000
- Shell weight (kg): 180
- Buffer tank dimensions: 200 x 100 x 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 32
- Main drains: 3
- Overflow channel suction drains: 2
- Air-jet controls: 2
- Shell weight (kg): 1

IGUAZU 300 SPA - 7 MESSAGE STATIONS

Family 8620



All our commercial spas are fitted with stainless steel jets as standard.



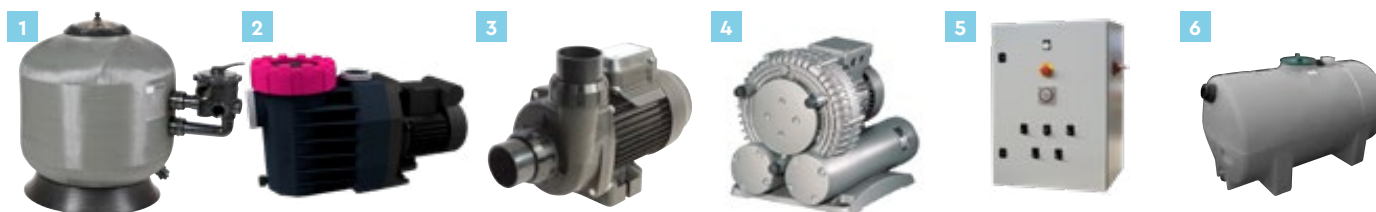
White



Ocean wave

+ All our commercial spas come with adjustable feet.

Code	Description	Overall dimensions in cm	Height in cm	Price
Overflow spa, pre-equipped shell only				
2490900	Iguazu 300, shell only - white	249 × 299	111.3	
2490901	Iguazu 300, shell only - ocean wave			
82200	Commercial spa transport costs			Net price exVAT
Overflow spa with sand filter and buffer tank				
2490990	Iguazu 300 - white	249 × 299	111.3	
2490991	Iguazu 300 - ocean wave			
82200	Commercial spa transport costs			Net price exVAT
option				
2522100	Option - Stainless steel underwater light (factory assembled)			



+ Commercial spa filtration must run round the clock. All our commercial spas are delivered with a hydraulic optimisation study to help minimise electrical consumption.

TECHNICAL DATA, SAND FILTER WITH BUFFER TANK

- 1** 1 Python S760 filter, 22 m³/h with a smooth, anti-bacterial inner surface for more hygienic filtration
- 2** 1 Eurostar II 200 pump, 18 m³/h,
- 3** 2 Massage pump, 27 m³/h 1ph,
- 4** 1 Blower, commercial, 1.25 kW 3ph,
1 Heater, 12 kW, 3ph
- 5** 1 Overflow spa electrical panel ADT/9T with 7 sensor buffer tank regulation
2 pneumatic push buttons
- 6** 1 Buffer tank 1,000 l

Technical data

- Seating capacity: 7
- Shell dimensions (cm): 249 × 299
- Water volume (litres): 2100
- Shell weight (kg): 220
- Buffer tank dimensions: 200 × 100 × 100

Equipment

- Massage hydro-jets (directional + flow rate regulation): 13
- Main drains: 4
- Overflow channel suction drains: 2
- Air-jet controls: 4



Spa Iguazu 300

MR. STEAM - CT SEMI-COMMERCIAL

Family 8620

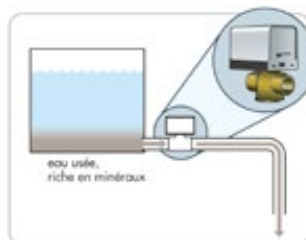
Designed for steam rooms between 4 and 20 m³. Ideal for commercial facilities used less than 6 hours per day by more than 2 people at a time.

1 iSteam 3 ou air tempo



- Air Tempo touch control pad
Controls the iSteam 3 Bluetooth audio system.
- Air Tempo controller
Ergonomic, sensitive key
- Programming of the session duration and steam room temperature,
- Controls the AromaSteam and Chromasteam options,
- 2 user preference settings can be saved to memory,
- Very low voltage power supply,
- May be installed inside or outside the steam room (when used with the remote temperature sensor),
- Delivered with a matching AromaSteam steam head,
- Can be controlled with the iGenie remote control.

4 Automatic flush



The system is flushed after every use to ensure clean steam every time, the automatic flush system detects the end of the steam bath; it waits for the water to cool and then automatically flushes it to waste. This reduces the build up of sediment and thus increase the service life of the generator.

2 Aroma pump

- It diffuses a calming fragrance into the steam that stimulates and soothes the spirit. The pump automatically inject essential oil into the steam line
- Reservoir capacity, 1 litre
- Choice of 4 fragrances: Eucalyptus, Orange, Elinya and Mint
- Controlled using an iSteam 3® or iTempo Plus controller
- Requires installation of an Air Tempo controller

3 CT steam generator

- Made of 100% recyclable stainless steel,
- Runs silently and economically.




6 Loud speakers



- May be installed in any shower or steam room,
- May be installed inside or outside the steam room or shower,
- Built in speaker, marine grade, made of polypropylene,
- Power 30 Watts,
- Square underwater light 17.9 cm x 17.9 cm,
- Round underwater light: Ø16.5 cm,
- ABS frame,
- Compatible with most audio inputs.

+

PROCOPI TOP TIP



Steam room accessories are listed on page 378



Illustrations are for information purposes only.
We recommend that you consult with an architect, designer and/ or building contractor.

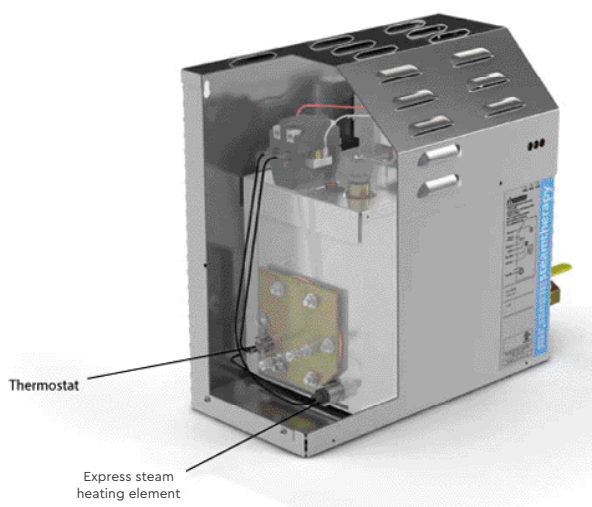


+ All Mr Steam CT series steam generators are delivered with an iTempo Plus controller, a matching steam head, an automatic flush, a SteamStop switch and a drip tray.

CT series steam generators are ideal for smaller steam rooms in space conscious commercial facilities. They are designed for rooms no larger than 19.6 m² that are occupied by no more than two people at a time, and in operation less than six hours a day.

CT series steam generators must be installed with an AirTempo timer and a steam head (included with the steam generator).

All Mr Steam CT series steam generators come with the following as standard.



EXPRESS STEAM™

All CT series steam generators are fitted with an Express Steam system as standard. The Express Steam system includes a built-in thermostat to maintain a constant water temperature to bring up steam more quickly yet still allows water to be safely drained.

Technical data

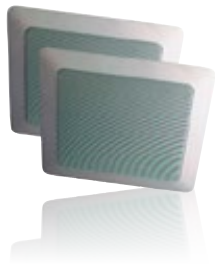
CT series steam generators provide space-conscious spa facilities with high performance, low maintenance steam room solutions.

- Designed to operate up to 6 hours per day,
- For steam rooms with a seating capacity of 2,
- Maximum dimensions of the steam room – 19.6 m³
- Compact, practical and robust design,
- CT generators are operated by an AirTemp or iSteam 3 controller,
- The controller may be installed inside the steam room or outside the steam room at a distance of up to 18 m. If the controller is installed outside the steam room, a temperature sensor must be installed in the steam room,
- A SteamStop button located inside the steam room allows the user further control over their session,
- All CT steam generators are equipped with the ExpressSteam system as standard.

Code	Description	Voltage	Power in kW	Volume in m ³	Cons (A)	Price
1889000	CT-6 steam generator	230V 1ph	6	4	25	
1889200	CT-9 steam generator	230V 1ph	9	10	42	
1889400	CT-12 steam generator	400V 3ph	12	17	30	
1889600	CT-15 steam generator	400V 3ph	15	20	38	

MR STEAM CU AND CT SERIES ACCESSORIES

	Code	Description	Price
1	1881950	Square speakers for steam rooms	per pair
2	1881800	Chromatherapy underwater light	
3	1881860	Audio Wizard system for iSteam 3* controller	
4	1888600	Electronic fragrance dispenser for MS/ CT steam generator (delivered separately)	
5	1888760	Essential oil, Eucalyptus, steam rooms, 500 ml - Respiration	
	1888770	Essential oil, Orange, for steam rooms, 500 ml - Calming	
	1888780	Essential oil, Mint, for steam rooms, 500 ml - Refreshing	
	1888790	Essential oil, Elinya, for steam rooms, 500 ml - Slimming	
6	1899100	Water filter with polyphosphate cartridge	
6	1899200	Spare polyphosphate cartridge	



1

Round and square speakers

- May be installed in any shower or steam room
- May be installed inside or outside the steam room or shower
- Built-in speaker, marine grade, made of polypropylene
- Power 30 W
- Square speaker, 17.9 cm x 17.9 cm
- Round speaker, diam.16.5 cm
- ABS frame
- Compatible with most audio inputs.



2

Chromatherapy lights

- Flat light, set into the wall/ floor, with 72 colour LEDs
- May be installed in the steam room or shower
- Steam proof
- Integrated, low voltage transformer
- Microprocessor to manage colour selection, controlled via the iSteam 3 or iTempo Plus controller.



3

AudioSteam 3* system

- Compatible with most audio inputs (Smart Phone equipped with Bluetooth, tablets, computers, etc.)
- Wall mounted practical casing containing an amplifier, power supply and controls
- May be paired with up to 8 Bluetooth devices
- Outputs for up to 4 loud speakers
- Controlled via a control panel installed in the shower or steam room.



4

Fragrance diffuser

- System that diffuses a constant stream of essential oil into the steam produced by the generator
- Delivered with the flexible hoses, unions and an oil vaporiser,
- Operation of the aromatherapy unit is controlled by a iSteam3® or iTempoPlus® controller



5

Essential oils (500 ml)

- 100% pure essential oils
- No synthetic fragrances
- Natural raw materials
- Manufactured in a manner that is respectful of the environment and sustainable development
- Supports traditional production methods



6

Water filter with polyphosphate cartridge

1/4 TURN PVC VALVES	398	AQUALINER 0.75 MM - FRIEZES AND TILE BANDS	144
2 IN 1 LEAF RAKE (SURFACE + POOL FLOOR)	319	AQUALINER 0.75 MM - PATTERNED	143
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3 PIECE ADAPTOR UNION, THREADED	66	AQUALINER 0.75 MM - TILE BANDS	145
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90° ELBOW, SOLVENT	63	AQUASTEP CORNER STEPS	117
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REQUEST TO OPEN A CUSTOMER ACCOUNT

Corporate name:..... Companies Register no. :

Company registration no.:.....

VAT no. :..... Legal form :

Date of incorporation : ___ / ___ / ___ Capital :

Name of the managing director or chairman of the board :

Billing address : 1.....
2.....

Delivery address : 1.....
2.....

Office Tel. : __ / __ / __ / __ / __ Mobile Tel. : __ / __ / __ / __ / __

Fax : __ / __ / __ / __ / __ e-mail :

Bank domiciliation : 1.....
2.....

Main suppliers : 1..... 2..... 3.....

Preferred method of payment: Direct bill of exchange Cheque Direct credit transfer
 Cash on delivery Payment in advance (before goods are shipped or picked up)

Delivery slip with prices : Yes No

(mandatory for trades people, optional for companies)

Surname and name of the requesting party : Date of birth: ___ / ___ / ___

Home address : 1.....
2.....

Owner Renter

Requests to open a business account.

Our company hereby reserves the right to cancel or suspend an account if the holder fails to abide by our general sales conditions.

This request to open an account implies acceptance of our general sales conditions.

I have read and accept the general sales conditions set out at the end of this catalogue. Requests to open a business account.

Company stamp

Name of the signing party, Date and signature

You must enclose your banking details, a sheet of letterheaded paper, a certificate of good standing less than 3 months old. Furthermore, for this request to be processed, you must supply your business registration numbers, as well as your intra community VAT number.

(During the time necessary for the account to be opened, payment will be made on delivery.)

RESERVED FOR SALES ADMINISTRATION

Sales rep name: Sales Rep code: Profession:

Authorised credit limit incl. :

Method of payment (accepted) :

Article 1 – Waarning

In order to improve the quality of its products, Procopi hereby reserves the right to modify the technical data of items it manufactures at any time and without advance notice.

The sketches, photos, texts and illustrations included in the catalogues, Aquasoft DVD, ProcoShop and the Procopi internet site or communicated by any other means by Procopi, are provided for information purposes only and may under no circumstances be considered contractually binding. All copying or representation of the sketches, photos, texts or illustrations published in the catalogues, Aquasoft DVD, ProcoShop or on the Procopi internet site, even partial and irrespective of the means, shall be construed as illegal and fraudulent unless authorised explicitly by Procopi.

Article 2 – General provisions

Clients and Procopi hereby mutually recognise each other's status as professionals dealing in the products, materials and services sold.

The general sales terms and conditions hereto shall only govern commercial dealings between Procopi and its dealers, hereinafter referred to as the client or clients. They shall under no circumstances govern contractual dealings between Procopi dealers and consumers.

Orders placed with Procopi and contracts dealt with by the latter shall be subject to the general sales terms and conditions set out hereinafter that shall cancel and supersede all clauses contained in documents issued by clients and co-contractors.

Consequently, no other term or condition shall nullify the effect of the general terms and conditions hereto unless Procopi explicitly agrees to said in writing.

Article 3 – Acceptance of orders

No person shall claim or benefit from any sort of tacit understanding with Procopi. Only orders accepted by Procopi are valid.

As regards orders placed on-line via Procopi's internet site (ProcoShop), acceptance of the order and conclusion of the sale are construed as having taken place upon receipt, by the client, of the electronic acknowledgement of receipt.

Article 4 – Sales terms and conditions

The prices indicated in Procopi's catalogues, price lists, the Aquasoft DVD and ProcoShop and Procopi internet sites are quoted in Euro ex VAT and any other tax. Invoices are payable in Euro and, unless indicated otherwise in the specific terms and conditions, Procopi ex-warehouse.

Said prices are susceptible to modification without prior notification at any time to reflect the evolution of the national and international economic and monetary climate.

Any sales terms and conditions granted to clients by Procopi's Sales Reps and/ or Regional Managers must be confirmed in writing.

In the event of a discrepancy or a dispute arising between Procopi and one of its clients concerning the application of these sales terms and conditions, only offers confirmed in writing will be taken into consideration.

Article 5 – Payment

Invoices are payable in full, without discount, at the address indicated on the invoice. As regards export sales, goods are payable prior to shipment or by confirmed irrevocable letter of credit drawn on a leading French bank.

However, a discount of 2% shall be applied for settlement by cheque enclosed with the order.

A discount may also be applied, by virtue of specific terms and conditions, for advance payment. The percentage represented by this discount will be indicated on the invoice.

In the event that a discount is allowed, only VAT on the price actually paid will give rise to a discount.

Upon opening a credit line reserved for sustained commercial dealings, invoices shall be payable, without any discount, by Electronic Bill of Exchange payable without prior acceptance, at

30 days end of month as of the date upon which the merchandise was shipped. Electronic Bills of Exchange forwarded for acceptance should be returned within one week of their receipt by the client.

Any delay in payment will, in full right, entail invoicing of late payment penalties to the client as of the day following the date of payment indicated on the invoice and up until the date on which payment of said is made. Late payment charges shall be calculated based on the entire sum outstanding at the rate of 1% per month, or part of month, late, any month begun being due.

Furthermore, any discount previously agreed will be cancelled.

Credit granted to a client shall be construed as a payment facility and may be revoked at any time. Any significant alteration of the client's economic or financial situation may entail the revision of payment conditions, even subsequent to partial execution of orders.

Refusal to accept Electronic Bills of Exchange or failure to pay a trade bill or negotiable instrument upon its due date shall render the whole debt payable immediately and in full without any prior notice and shall entail the suspension of deliveries. Failure to settle an accepted trade bill or negotiable instrument upon its due date will entail the suspension of all terms of credit (delivery upon payment). In the event of late payment, a fixed fee of € 40 exVAT will be charged to cover collection costs.

Article 6 – Delivery lead times and charges

Article 6.1 – Charges

6.1.1 – General orders

The delivery charges indicated in the version of the Procopi catalogue that is currently in effect will be invoiced for every order worth less than €380 ex VAT (or €110 ex VAT for spare parts orders).

Orders worth more than €380 net ex VAT (or €110 net ex VAT for spares) delivered in one shipment within "mainland France" (metropolitan France, excluding Corsica and the islands not linked by road to the mainland) to the Client's premises or to a Procopi agency (for collection by the client) shall be delivered free of charge.

For those orders constituting the subject of this article 6.1.1, should the client wish the delivery to be made within "mainland France" to an address other than those stipulated in the previous paragraph (Procopi agency or Client premises):

- The client hereby undertakes to be present at the agreed location at the time of delivery to receive the merchandise;
- A fixed charge of €22.00 ex VAT per shipment will be invoiced for modifying the delivery address;

In the event of a COD delivery, collection charges stipulated in the catalogue currently in effect will be payable by the client.

Express deliveries are also available. However, transport charges will be payable by the addressee.

6.1.2 Specific orders

As an exception to the provisions set out in article 6.1.1 hereinafter:

- Pick-up of reconstituted coping and flagstones, sand, gravel, salt, steps, saunas, spas, wooden pools, BWT automatic covers, Calypso, Mambo and CBE-650 bar covers, prefabricated plant housings, pool structures (BlokIt, Procobloc

pools) or Python Polar filters from one of our manufacturing plants or agencies will be invoiced €1 exVAT.

- Delivery of reconstituted stone coping and flagstones, sand, gravel, salt, steps, saunas, spas, wooden pools, BWT automatic covers, Calypso, Mambo and CBE-650 bar covers, prefabricated plant housings, pool structures (BlokIt, Procobloc pools) or Python Polar filters to an address stipulated by the Client, other than a Procopi manufacturing plant or agency, will be subject to the transport charges outlined in the Procopi catalogue currently in effect, it being stipulated that the Client hereby undertakes to be present at the agreed location upon delivery to receive the merchandise.

- Goods considered dangerous by carriers are, due to this fact, subject to specific transport costs.

6.1.3 – Ancillary costs

The costs incurred by packaging or customs formalities; inspections or consular visas specific to dangerous goods (liquid PVC, glue, water treatment products, etc.) will be invoiced to the client. The cost of visas for orders worth more than €15,000 ex VAT, excluding freight charges and delivered in one shipment and to one address, will be paid by Procopi.

Article 6.2 – Delivery lead times

Delivery leadtimes are indicated for information purposes, delays shall not entail the cancellation of the order.

However, in the event of a delivery delay, the client may formally request by registered letter that Procopi deliver the goods within a time period of 15 days as of the date on which said registered letter is received. Upon expiry of this deadline, the client may cancel the order in question.

Article 7 – Transfer of ownership

In accordance with the legal provisions in effect, transfer of ownership of the goods delivered shall take place at the time at which the price of said goods is paid in full.

However, risks shall be transferred to the client as of such time as the goods are made available to the client, to the client's representative or to the carrier.

Article 8 – Acceptance and complaints

Goods travel at the risk and responsibility of the addressee.

In the event of any dispute or discrepancy concerning the delivery by the carrier the addressee must:

- Note the dispute or discrepancy on the delivery stub: missing package, damaged package, damp package, etc. and under no circumstances: "reserved subject to opening" which is too vague and will be rejected by carriers,
- Notes such as "package broken", "package wet" etc are not acceptable. Under such circumstances, open the package, identify the exact nature of the damage to the article and record this on the delivery stub,
- Send confirmation of the reservations indicated on the stub to the carrier (not Procopi) by registered mail with a copy to Procopi, within three working days as of delivery,
- Forward the original of the delivery stub to Procopi as quickly as possible, along with a copy of the registered letter sent to the carrier.

CAUTION: A complaint will not be accepted unless these three points have been respected to the letter.

Article 9 – Returns

Clients may return spare parts within a 30 day period, this does not apply to goods made to order, (BWT covers, liners, etc.) goods that are discontinued (#) or good available only on order (*).

Past this one month time delay, we reserve the right to refuse the return. In the event that the return is accepted, the materials returned will be subject to depreciation as follows:

- Return > 1 month: taken back for 90% of the original value, less any reductions
- Return > 2 months: taken back for 80% of the original value, less any reductions
- Return > 3 months: taken back for 70% of the original value, less any reductions
- Return > 4 months: taken back for 60% of the original value, less any reductions
- Return > 5 months: taken back for 50% of the original value, less any reductions

After 6 months, returns will not be accepted. In the event of a return, said return must:

- be previously agreed to by Aqueservice, said agreement to be embodied by the communication of a goods return number,
- concern goods featured in the Aqueservice catalogue in effect at the time that the goods are returned,
- be accompanied by either the invoice or delivery slip as well as a statement of the grounds for the return,
- be sent post paid,
- be in its original packaging and accompanied by the original documents.

CAUTION: Failure to abide by the aforementioned conditions shall entail either refusal of the goods returned or acceptance of the goods returned with a 25% reduction of the price invoiced.

Article 10 – Contractual guarantees

All items manufactured or distributed by Procopi (Superliner, Climexel heat pumps, etc.) are covered by a 2 year guarantee, under the terms and conditions set out in the guarantee enclosed at delivery. These guarantees enter into effect on the client invoice date.

Guarantees are effective subject to the condition that equipment items are installed, maintained or repaired by qualified professionals who abide by the rules of the art laid out in the operating and installation instructions and other standard documents (DTP "Directives Techniques Piscines" (pool technical directives), AFNOR (French standards association) standards, etc.).

The repair under guarantee of any item manufactured or distributed by Procopi will in no way alter the date on which the contractual guarantee covering said item, and calculated based on its date of invoice, expires.

Similarly, the replacement under guarantee of any item manufactured or distributed by Procopi will in no way alter the expiry date of the contractual guarantee covering the replacement item and that is calculated based on the initial invoice date of the latter

Unless otherwise stipulated, coverage shall be limited to the replacement of the part or equipment item acknowledged as defective in our workshops, labour included. Freight costs, call out charges and other damages are not included in the scope of the guarantee. In the event of an intervention by the client, coverage shall be limited to the supply of the part or equipment item acknowledged as defective. Freight costs, call out charges and other damages are not included in the scope of the guarantee.

Repairs carried out by Procopi's after sales services outside the scope of any guarantee will themselves be guaranteed 6 months as of the date on which the repair was invoiced. Consumable items (chemicals, maintenance accessories, etc.) and wear parts (seals and gaskets, baskets, belts, bulbs, etc.) are not covered by any guarantee.

Neither the effects of normal wear and tear (Poolbag, cartridges, incandescent bulbs, maintenance accessories, pool paint, above ground pool liners and covers) nor the repercussions of inappropriate usage are covered by any guarantee.

The following are specifically excluded from any guarantee; damage not attributable to the pool or pool equipment, such as that occasioned by impact,

fire, frost, infestation by termites or any other parasite, lightning, flooding or any other natural catastrophe.

Should it prove impossible to ascertain the exact cause of the malfunction hindering correct operation of an equipment item, and at the client's explicit request, Procopi may send one of its technicians to perform troubleshooting. In all cases an intervention slip, duly accepted by the client, setting out the intervention in detail will be drafted for such interventions.

Following said troubleshooting, and depending on whether or not the cause of the malfunction falls within the realm of Procopi's responsibility or not, Procopi may or may not invoice the client labour costs and call out charges as well as any spare parts required.

NOTA BENE: Guarantee claims from professional clients will only be accepted after diagnostics carried out on the installation site or in the work shop by a technician accredited by Procopi.

Information communicated by the professional client in good faith, by the Hotline or by any other Procopi employee prior to the aforementioned diagnostics are under no circumstances opposable by the latter.

CAUTION:

- The presence of salt in the pool water is considered to increase the risk of corrosion of metallic equipment items such as the ladder, heater, heat exchanger, condenser, automated cover axle, etc.

The Redox value varies depending on the type of oxidising agent used (stabilised or non-stabilised), the pH and the concentration of Isocyanuric acid. In order to avoid fading of pigments in the waterproofing membrane and corrosion of metals and alloys, the Redox potential must be kept under 750 mV at all times.

Otherwise, resulting corrosion and/ or fading will under no circumstances be covered by the guarantee.

- The quality of the water in the pool must at all times comply with the public water supply, notably in terms of its metallic salt content (Copper, iron, manganese, etc.), its mineral salts content (Calcium, magnesium, etc.), and its pH, etc.

- Bad quality water in the pool can initiate or facilitate the corrosion of metallic equipment items and premature ageing of waterproofing.

Before filling the pool with water from another source, the client must ensure that the physico-chemical characteristics of said alternative pool water supply comply with those of the public water supply.

Groupe Procopi hereby reserves the right to fully or partially suspend the guarantee in the event that non-compliant water is used to fill the pool.

Article 11 – Liability and insurance

The client and Procopi hereby mutually recognise each other's status as professionals dealing in the products sold.

The client hereby acknowledges that Procopi sells equipment subsequently incorporated into an operational assembly by the client.

The client, in its capacity as a swimming pool professional, has sole responsibility regarding the selection of the product, the product's integration into the assembly and its correct usage according to the rules of the art, regulations in effect and the results the client is endeavouring to achieve.

Procopi shall under no circumstances be held to any obligation regarding the final result.

The client must advise Procopi of any defects attributable to the product immediately, providing evidence in support of the latter.

The client must provide Procopi every opportunity to investigate alleged defects and remedy said.

Procopi will be released from its obligations in the event of Force Majeure.

The following shall be understood to constitute Force Majeure and as such to suspend or nullify Procopi's obligations without any recourse by the client: accidents effecting production and storage of the products, the total or partial interruption of procurement, a fault committed by the carrier, fire, flood, machine breakdown, total or partial strike, administrative decisions, acts attributable to third parties, war and any other act beyond Procopi's control likely to delay or prevent performance of contractual commitments or render said financially unviable.

Procopi has taken out policies insuring it for the usual risks associated with its activities and to the level usual for this profession. Valid certificates and guarantee tables are available to its clients.

It is hereby explicitly agreed that the client will renounce all recourse of any kind above the ceiling of the guarantee taken out by Procopi. This constitutes a substantive clause of the agreement hereto.

Article 12 – Jurisdiction of competence

Any discrepancy or dispute arising from the construction hereto shall be brought before the Commercial Courts of RENNES (France) who shall have sole jurisdiction in such matters.

Neither the client's purchasing terms and conditions, if any, nor the location of execution of the order or the contract, nor, more generally, any concession regarding the general sales terms and conditions shall have any effect on this clause attributing jurisdiction of competence, even in the event of a guarantee claim or in the case of multiple defendants.

Last updated: 19th of October 2018

Note : These sales conditions apply to customers of Procopi SAS.

The subsidiary companies of Procopi (Procopi UK, Procopi GmbH, Procopi Benelux, Procopi Middle East, Procopi FWI) have separate sales conditions which are available on request and may vary from these conditions.

Display the BWT colours!

2018 season

Formula 1
Formula 2
Formula 4
Porsche Supercup
DTM
GT Masters
Forze project

Stade Rennais league 1
Alpine ski
Ski jumping
etc.





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