

CATALOGUE 2017



WATER TREATMENT

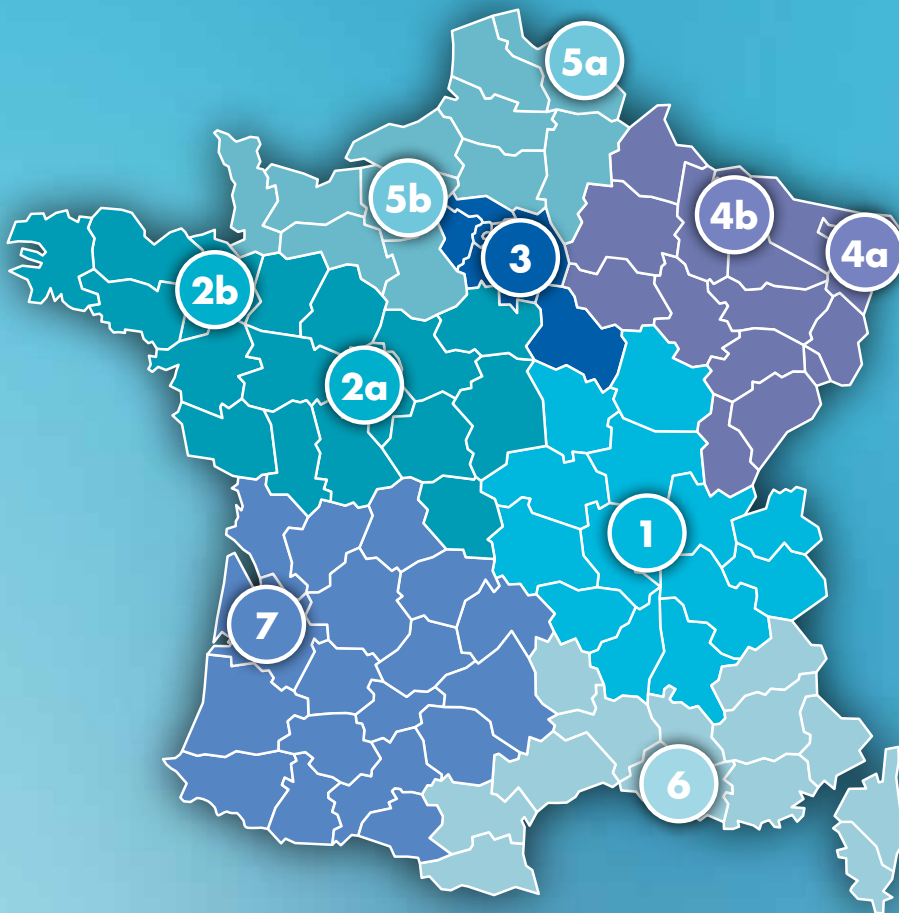
- WATER FOR HUMAN CONSUMPTION
- WATER FOR AIR CONDITIONING SYSTEMS

For You and Planet Blue.



580 employees

7 Regional departments



YOUR REGIONAL CONTACTS

BWT CENTRE EST

1 Lyon (69)
Tel.: 04 72 73 98 80
bwt.centre-est@bwt.fr

BWT CENTRE OUEST

2a Chambray-lès-Tours (37)
Tel.: 02 47 74 74 50
bwt.centre-ouest@bwt.fr

2b Laillé (35)
Tel.: 02 23 61 48 50
bwt.centre-ouest@bwt.fr

BWT ÎLE-DE-FRANCE

3 Nanterre (92)
Tel.: 01 46 49 01 01
bwt.idf@bwt.fr

BWT NORD EST

4a Strasbourg (67)
Tel.: 03 88 62 60 64
bwt.nord-est@bwt.fr

4b Vandœuvre-lès-Nancy (54)
Tel.: 03 83 67 61 89
bwt.nord-est@bwt.fr

BWT NORD-NORMANDIE

5a Templemars (59)
Tel.: 03 20 16 03 80
bwt.nord-normandie@bwt.fr

5b Heudebouville (27)
Tel.: 02 32 63 32 32
bwt.nord-normandie@bwt.fr

BWT MÉDITERRANÉE

6 Rousset (13)
Tel.: 04 42 66 75 80
bwt.mediterranee@bwt.fr

BWT SUD OUEST

7 Le Haillan (33)
Tel.: 05 56 13 02 18
bwt.sud-ouest@bwt.fr

EXPORT

BWT FRANCE, EXPORT SALES DEPARTMENT

103 rue Charles Michels
93206 Saint-Denis Cedex
Tel.: +33 (0) 1 49 22 46 55
bwtexport@bwt.fr

BWT INDIAN OCEAN

Tel.: +262 (0) 262 325 277
bwtreunion@bwt.fr

BWT MOROCCO

Tel.: +212 (0) 522 666 552
bwtmaroc@bwt.fr

A LOCAL NETWORK

- **A SALES DEPARTMENT:**
design and commercial proposals, field assistance and sales assistance.
- **A CLIENT DEPARTMENT:**
order entry and tracking, product availability, lead times, delivery tracking
- **A TECHNICAL DEPARTMENT:**
technical assistance, repairs, commissioning, servicing and maintenance.



In 1990, Andreas Weissenbacher created the BWT Group based on a vision to "develop an innovating company at the service of a water market that is potentially vital for our future".

Our group has been built up step by step over the past 27 years.

Our often unique innovation in water treatment and our integrated business concept are the basis for our growth which is focussed on the individual and the elixir of life, which is Water.

We are currently present in all European countries; BWT has 3,600 employees of which 575 work in France.

BWT also has 4 Research and Development sites in which our products are designed, 5 production centres and over 70 sales subsidiaries that provide technical and sales support.

Even though the past few years have been major challenges for us - population growth, constantly changing safety, health and hygiene standards, global warming issues, tension in the economy - our mission remains unchanged: "our commitment for the present is to improve, the key to our future is innovation".

This is also what our clients and partners expect, the answers to the need to adapt our lifestyles:

- *innovation in terms of product development, especially at the service of the environment and energy performance,*
- *innovation in terms of sales organisation through our network which groups together 7 major regions around the two Construction and Industry expertise centres,*
- *innovation in terms of client support through a specific department for order givers, BIM development, the availability of client Intranet networks, a central laboratory,*
- *innovation in terms of services through the set-up of an adapted organisation (PESOS) the objectives of which are to strengthen our local presence and increase our availability and reactivity,*
- *innovation in terms of updating our commercial offer to include new services (audits, disinfection, laboratory analyses, etc.).*

Dear clients and partners, this BWT catalogue is dedicated to you. Please put as much energy into reading it and using it as our employees did in building it up over the past quarter century.

Be a relay for the ambition described by our name BWT "Best Water Technology" and our BWT message "For You and Planet Blue".

*Alain Mulet
Director of BWT FRANCE operations*

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BWT, ALL THE WATER TREATMENT SOLUTIONS



→ **As the European leader in water treatment**, BWT group puts its know-how at your disposal, whether you are an industrial sector professional, in charge of community level infrastructure, or simply a private individual. Our technology and innovations provide you with the water treatment suited to your needs at the same time as improving hygiene, safety and energy control, at the service of public health and of our environment.

→ A wide range of solutions



SOFTENING, FILTRATION, LIME SCALE, CONDITIONING, DISINFECTION, ETC.

THE STRENGTH OF A MANUFACTURER



HEADQUARTERS SAINT-DENIS (93)

- A development centre
- A Production & Logistics centre
- An ISO 9001 certified analysis laboratory
- An approved training body

THE BWT GROUP

The European water treatment leader, BWT Group designs, manufactures and accompanies water treatment solutions. Globally, the BWT group is:

- **7** production sites
- **2,800** employees
- **500 M€** turnover
- **4%** of turnover invested in R&D

BWT, CERTIFIED TRUST



ISO 9001: 2008 n° 1994/2604: AFNOR has certified that our water treatment quality management system is compliant with the standard.



Our products (softeners, filters, anti-scale) have achieved, or are in the process of achieving French Sanitary Compliance Certification. (ACS, or Attestation de Conformité Sanitaire). This is a safety certificate for all products sold in France that come into contact with water intended for human consumption.



Our BWT residential softeners, manufactured on our Saint-Denis BWT production site are certified "Guaranteed French Origin". The guarantee that the products bearing the logo were made in France.



The purpose of the certification is to certify compliance with technical specifications, described in a reference, and services linked to the installation or maintenance of a product or process that is the subject of a Technical Approval. Our complete SoluTECH for Commercial market treatment solution has an ATEC issued by CSTBat for all metal heating services including aluminium.

BWT TRAINING

→ The increasing number of activities embodied by the water treatment trade has led us to offer a training curriculum. **Depending on your training needs, BWT can propose a knowledge acquisition programme.** Water treatment, the choice, sale and installation of high performance BWT equipment will have no secrets for you.



TRADESPeOPLE, INSTALLERS, DESIGN OFFICES,
PROJECT OWNERS, OPERATORS, ETC.



KNOWING ABOUT WATER TREATMENT
The basis of water treatment and analytical monitoring



Understanding water treatment techniques

- Filtration
- Softening
- Reverse osmosis
- Demineralisation
- Disinfection techniques
- Treating circuits



Choosing & using the equipment

- Filters
- Softeners
- Anti-scale
- Osmosis units
- Electro-deionisation
- Dosing stations



Increase your sales of domestic softeners

- DPC Training
- Discover
- Pitch
- Close

IMPLEMENT WATER TREATMENT AND OPERATE AN INSTALLATION

INSTALLATION MONITORING, OPERATION AND MAINTENANCE AND BESPOKE MODULES

A MEDIA PLAN TARGETING THE GENERAL PUBLIC

BWT is arriving on television and the web to boost its visibility to private individuals and generate even more contacts.

- **TV campaign** on major channels
- **Web campaign** on privileged web sites
- **Over 1,000 requests for quotes** and contacts with our approved installers



JOIN THE NETWORK IN 2017!

→ THE BWT INSTALLERS CLUB IS CHANGING

Are you a tradesperson, plumber, bathroom or heating installer?

Do you want to increase your business with BWT?

Join the "Water professionals network" to increase your activity:

- **Exclusive privileges:** personalised support, loyalty offers, sales training, events
- **Exclusive services on your smartphone:** quotation requests from private individuals, spare part orders at preferential prices, merchandising orders
- **The highlighting of your "Approved installer" label:** visibility by private customers and contacts with leads

Have a chat about it with your Technical Salesperson!



A TOOL FOR KEY AUDIENCES

→ The new tool for key audiences is online on www.bwtprescription.fr

A unique work area reserved for

key audience professionals in the collective building sector.

Prepare your specifications document in just a few clicks!



You save time



You benefit from the water treatment leader's expertise



You are guided towards solutions adapted to your needs



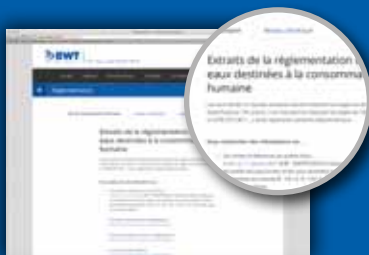
→ Direct access to diagrams

All the diagrams for equipment or for standard installations of a circuit viewable online and downloadable in pdf or Autocad format.



→ Access to full product information

Download the full product sheets for our equipment to draw up your specifications documents.



→ Access to applicable regulations

All the regulatory information you need in just a few clicks.



→ Direct access to personalised quotation requests

Your personalised study request in 2 minutes, our experts can answer you in record time.



1

WHY RECOMMEND FILTERING PRODUCTS?

Filtering is a major step in the water treatment process. Filters trap impurities and other undesirable components of water (taste, odour, bacteria, etc.). By removing these elements from the water, the protection of the services and user comfort are guaranteed.

FILTRATION

→ **For sustainable comfort** thanks to high quality water, piping and diffusers protected from deposits, no more unpleasant tastes or odours, and rainwater ready to reuse. BWT offers you proven solutions.

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You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

HOW TO BEST CHOOSE YOUR FILTER TO REMOVE IMPURITIES



TYPE		BWT E1	BWT CRISTAL 4
Applications			
Flow rate	m ³ /h	0.3 to 3.6	0.3 to 1.8
Filtration grade	µm	90	20
Product pluses		<ul style="list-style-type: none"> • Pressure regulator and gauge • Check valve • Water cut-off lever • Cartridge change warning indicator light • Easy cartridge change: no tools and no contact with the water 	<ul style="list-style-type: none"> • Compatible with all 10" cartridges
Care		 Cartridges changed with no tools in 30 seconds	 Cartridge changes
Health and safety			
		P. 14	P. 16

HOW TO BEST CHOOSE YOUR MULTI-FUNCTION FILTER

Impurity filtration + taste and odour removal functions



BWT DIFLO

Protects installations from impurities and eliminates odours and taste from the water (especially chlorine)

P. 18



Impurity filtering + anti-scale and corrosion functions



BWT DIPHOS

Protects installations from impurities, prevents scale deposits and protects from corrosion

P. 61



Rainwater and borehole water filtering



BWT PLUIE

3 actions:

- Water clarification
- Filtering of impurities
- Elimination of unpleasant odours

P. 19





BWT FINE	BWT AVANTI WF	BWT INFINITY FILTER
0.3 to 4	3.5 to 32	5 to 85
90	90	90/110
<ul style="list-style-type: none"> Built-in purge system Horizontal or vertical mounting Withstands a pressure of 8 bars Connectors supplied 	<ul style="list-style-type: none"> Strong: bronze head Clear bowl to check clogging level Impurity evacuation using a purge system Connectors supplied Easy maintenance not requiring special tools 	<ul style="list-style-type: none"> Directional connector head 2-Phase filter washing system (backwash and rinse) A choice of 2 models (manual and automatic) A continuous supply of filtered water, even during washing phases
Washable cartridge	Washable screen	Backwash screen cleaning
P. 20	P. 21	P. 22

Good performances Very good performances Excellent performances

HOW TO BEST CHOOSE YOUR DRINKING WATER FILTER

Taste and odour removal drinking water filter



BWT AQA PURA

Under-sink filter:

- Removes the taste from tap water (especially chlorine)

P. 25



Reverse osmosis units to refine drinking water



BWT AQA SOURCE

High tech reverse osmosis unit:

- Removes the taste and odour from water
- Purifies the water of over 95% of impurities (bacteria, virus, metals, pesticides, chlorine, nitrates)

P. 24



BWT E1

PROTECTION STATION



→ **Flow rate:** 3.6 m³/h

PRODUCT PLUSES

- **Complete protection station:** pressure reducer, check valve, cut-off valve, pressure gauge
- **Cartridge changes** are simple, fast and clean, in 30 seconds, with no tools
- **Cartridge change warning indicator light**

OPERATION

The BWT E1 traps water-borne impurities (particles in suspension, sludge, sand).

It is a true protection system for the home, it has a built-in pressure regulator to avoid excess pressure and harmful hammer effects, a pressure gauge, a check valve and a cut-off valve. Its lockable lever makes it possible to change cartridges very quickly (30 seconds) and cleanly (no contact with the water or the filtering element).

APPLICATIONS

The BWT E1 Protection system is the ideal solution for the tap water inlet for private dwellings, houses or apartments.

It protects installations from jamming and abrasion by trapping undesirable water-borne particles (sand, sludge, filings, etc.).

STANDARD EQUIPMENT

Complete station delivered ready-to-install.

- Protective filter with a 90 µm screen
- Built-in pressure regulator
- Built-in check valve
- Built-in cut-off valve
- Cartridge change warning indicator light
- Lockable manual lever
- Bronze and brass connection accessories

CARE

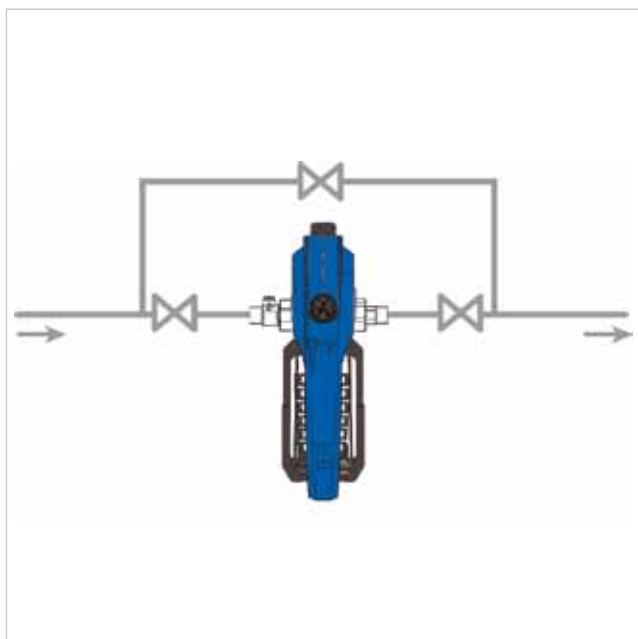
Change the cartridge when the light indicator flashes, or about every 6 months. Very hygienic maintenance, the cartridge is shipped in its packing making it possible to change it without any contact with the water.

TECHNICAL SPECIFICATIONS

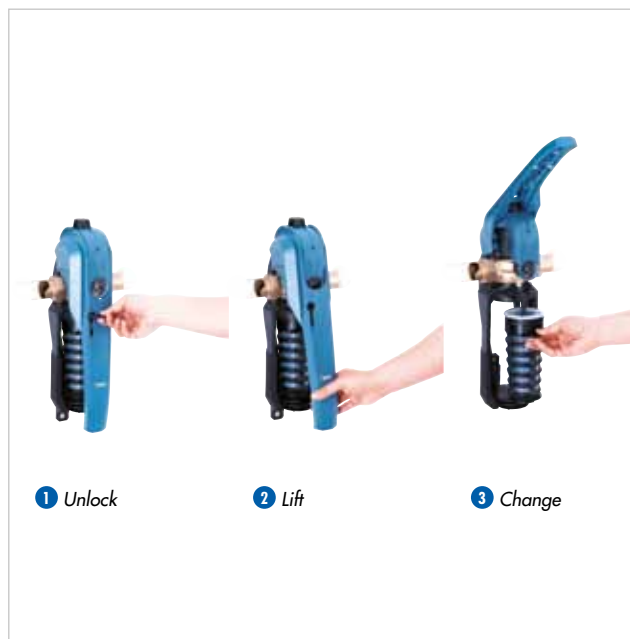
TYPE	BWT E1	
TECHNICAL SPECIFICATIONS		
Coupling diameter	DN/inch	DN 25/1"
Rated flow at $\Delta P = 0.2$ bar	L/h	3600
Max. dynamic pressure	bars	16
Min/max water temperature	°C	5 / 35
Product code		P0010090
Retail price ex VAT ⁽¹⁾		320.00 €
SIZE SPECIFICATIONS		
Width with connector	mm	199
Width without connector	mm	100
Total height with cartridge	mm	567

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



SIMPLE AND QUICK SERVICING



ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Replacement kit (1 filtering element + 1 cartridge)	P0010089	22.00 €
Set of 2 spare filtering elements	P0003333	22.00 €



Replacement kit



Spare filtering elements

BWT CRISTAL 4

IMPURITY FILTER



PRODUCT PLUSES

- **Quick and easy** to install
- **Connectors** with brass threading
- **Filter compatible** with all standard 10" cartridges
- **Cartridge supplied**, a unique design for optimised consumable use

OPERATION

The filter removes water-borne impurities (particles in suspension, sludge, sand).

The BWT CRYSTAL 4 filter includes a head, a bowl and a 20 µm filtering cartridge to trap water-borne impurities.

APPLICATIONS

Installed on the home's general water supply inlet, it protects the installations and equipment from jamming and obstructions.

STANDARD EQUIPMENT

Complete, ready-to-install cartridge filter, delivered with:

- a fixture bracket
- a loosening wrench
- a supporting sleeve
- a 20 µm filtering sleeve

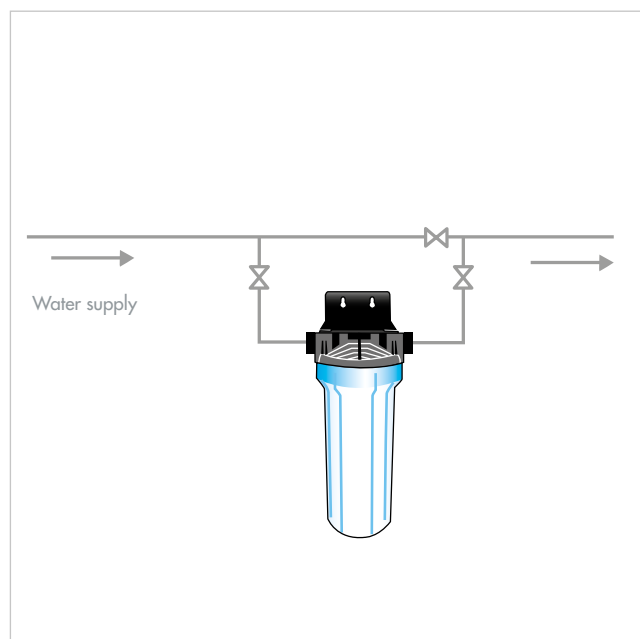
→ **Flow rate:** 1.8 m³/h

TECHNICAL SPECIFICATIONS

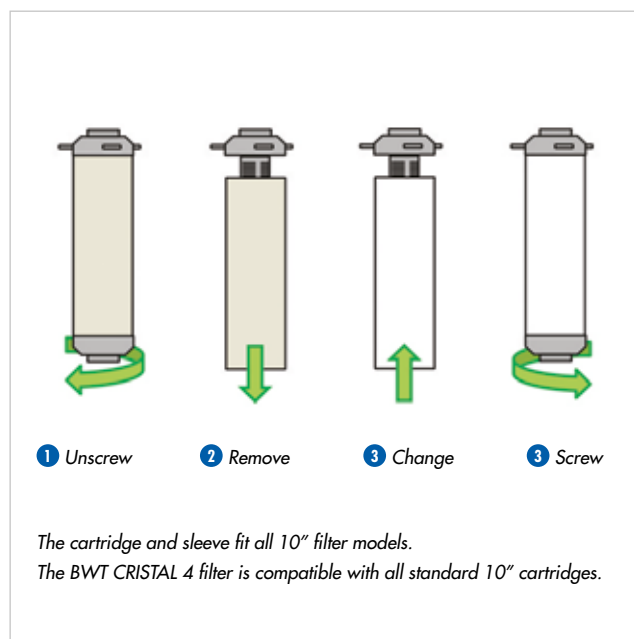
TYPE		BWT CRISTAL 4
TECHNICAL SPECIFICATIONS		
Coupling diameter	DN/inch	DN 20/3/4"
Rated flow at ΔP= 0.2 bar	L/h	1800
Max. dynamic pressure	bars	8
Min/max water temperature	°C	0/40
Product code		P0003350
Retail price ex VAT ⁽¹⁾		37.80 €
SIZE SPECIFICATIONS		
Width	mm	122
Height	mm	373
Depth	mm	126

⁽¹⁾Pieces valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



CHANGING THE FILTER SLEEVE



ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
1 CRISTAL 4 10" 20 µm cartridge (sleeve + holder)	P0003352	26.50 €
1 CRISTAL 4 10" 20 µm sleeve	P0003351	15.80 €
3 CRISTAL 4 10" 20 µm sleeves BOX	P0003354	30.50 €
Removal key + seal	P0003353	21.00 €



CRISTAL 4 Cartridge



Removal key + seal

BWT DIFLO

FILTER FOR IMPURITIES, TASTE AND ODOUR REMOVAL



→ Flow rate: 1.8 m³/h

TYPE		BWT DIFLO
TECHNICAL SPECIFICATIONS		
Coupling diameter	DN/inch	DN 20/3/4" M/M
Rated flow at ΔP= 0.2 bar	L/h	1800
Max. dynamic pressure	bars	8
Min/max water temperature	°C	0/40
Product code		P0003870B
Retail price ex VAT ⁽¹⁾		146.00 €
SIZE SPECIFICATIONS		
W x H x D	mm	404 x 450 x 105

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Removal key + seal	P0003353	21.00 €
2 impurity trapping filters + 1 activated carbon filter	P0003875A	32.60 €
1 impurity trapping filter	P0003351	15.80 €
3 Activated carbon cartridges - BOX	P0003703A	35.70 €

PRODUCT PLUSES

- Delivered complete with by-pass, fixture bracket and removal wrench
- Simple and quick to install

OPERATION

The filter removes water-borne impurities (particles in suspension, sludge, sand) as well as taste and odour.

The BWT DIFLO filter is composed of a head, 2 bowls and 2 filters (20 µm filtering and activated carbon).

APPLICATIONS

The BWT DIFLO filter is a filtering and chlorine removal kit. Installed on the water inlet, it protects installations and equipment from jamming and obstructions, and provides the comfort of tasteless and odourless water.

STANDARD EQUIPMENT

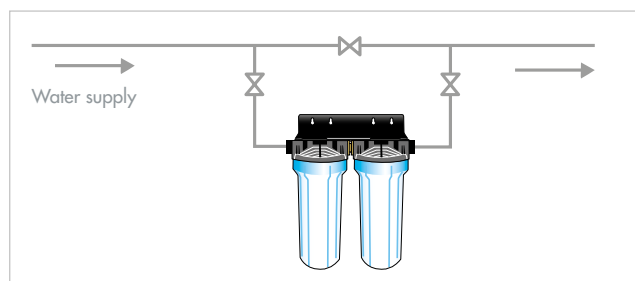
Complete filter delivered fitted with:

- a wall mounting bracket
- a wrench to remove the filter bowls
- the 1st set of cartridges: 1 20 µm impurity trapping filter + 1 activated carbon taste and odour removal filter
- a by-pass (brass connectors – copper tubes – 1/4 turn valves)

CARE

The impurity filter is to be changed every 6 months or more frequently if necessary depending on your water quality. Activated carbon filter to be changed every year.

INSTALLATION RECOMMENDATIONS



Impurity trapping filter



Activated carbon cartridge



Removal key + seal

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT PLUIE

RAIN OR BOREHOLE WATER FILTER



→ Flow rate: 1.8 m³/h

TYPE			BWT PERMOPLUIE
TECHNICAL SPECIFICATIONS			
Coupling diameter	DN/inch	DN 20/3/4" F/F	
Rated flow at ΔP= 0.2 bar	L/h	1800	
Max. dynamic pressure	bars	8	
Min/max water temperature	°C	0/40	
Product code	P0003900		
Retail price ex VAT ⁽¹⁾	136.00 €		
SIZE SPECIFICATIONS			
W x H x D	mm	336 x 373 x 127	

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Removal key + seal	P0003353	21.00 €
Set of 3 replacement cartridges	P0003902	31.60 €

PRODUCT PLUSES

- **Complete kit** to filter rain or borehole water
- **Simple and quick** to install

OPERATION

The BWT PLUIE filter traps impurities and removes the taste and odour from rain or borehole water. It is composed of 3 bowls and 3 cartridges (90 µm filtering, 25 µm filtering and activated carbon).

APPLICATIONS

The BWT PLUIE filter is designed for a domestic rainwater or borehole water treatment installation. It guarantees the water supply for uses that do not require potable water.

It can be used to filter water:

- outside buildings (watering, cleaning patios, walls, cars, etc.)
- inside buildings (WC, cleaning floors, washing machines)

For outside or inside uses of rainwater, the interconnection of the rainwater and the water for human consumption circuits is prohibited.

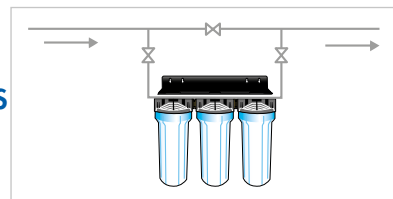
The installation of a disconnecter with full overflow is compulsory and outlets must be indicated and secured (French order of 21/08/2008 on rainwater regulations).

STANDARD EQUIPMENT

Complete kit with 3 standard filters, ready-to-install, with:

- a mounting bracket
- a washable 90 µm pre-filtering cartridge (screening)
- an extruded 25 µm filter (fine particles)
- an activated carbon filter (odour removal)
- a wrench to loosen the filter bowls

INSTALLATION RECOMMENDATIONS



Set of 3 replacement cartridges



Removal key + seal

BWT FINE

IMPURITY FILTER



→ **Flow rate:** 3 to 4 m³/h

TYPE	FINE Y20	FINE Y25
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TECHNICAL SPECIFICATIONS

	DN/inch	DN 20/3/4"	DN 25/ 1"
Coupling diameter	DN/inch	DN 20/3/4"	DN 25/ 1"
Rated flow at ΔP= 0.2 bar	L/h	3000	4000
Threshold/filter density	µm	90	90
Max. dynamic pressure	bars	8	8
Min/max water temperature	°C	5/30	5/ 30
Product code		P0003975A	P0003976A
Retail price ex VAT ⁽¹⁾		99.00 €	103.00 €

SIZE SPECIFICATIONS

	mm	205	215
Width with connector	mm	205	215
Width without connector	mm	120	120
Height	mm	195	195
Height with ground clearance	mm	220	220

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Set of 3 100 µm replacement screens	P0003740A	64.25 €

PRODUCT PLUSES

- **Quick and easy** to install
- **Washable filtering element** and purge tap
- **Horizontal or vertical** mounting
- **Built-in purge** system

OPERATION

The BWT FINE filter traps solid impurities present in tap or borehole water.

The nylon filtering element is washable and the biggest impurities are quickly evacuated using a draining system.

APPLICATIONS

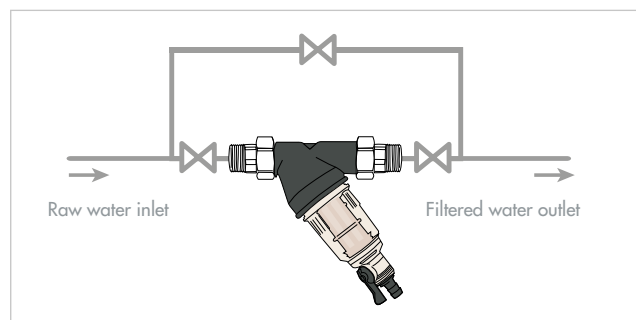
The BWT FINE filter protects equipment, sanitary appliances and household appliances from malfunctions, deteriorations and corrosion caused by foreign particles (rust, sand, filings or sludge).

STANDARD EQUIPMENT

Screen filter delivered fitted with:

- brass threaded connectors (3/4" or 1")
- noryl filter body
- Impurity evacuation purge system
- washable, 90 micron screen

INSTALLATION RECOMMENDATIONS



Screen filter

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT AVANTI WF

IMPURITY FILTER



PRODUCT PLUSES

- **Washable** screen filter
- Threaded or flange connectors for **easy assembly**
- Impurity **evacuation system**



→ **Flow rate:** 3.5 to 32 m³/h

OPERATION

The BWT AVANTI WF filter is a screen filter that traps solid impurities present in tap or borehole water (rust, sand, filings or sludge). The nylon filtering element is washable and the biggest impurities are quickly evacuated using a purge system.

APPLICATIONS

The BWT AVANTI WF filter is installed on the tap water or borehole water inlet to protect equipment, sanitary appliances and household appliances from malfunctions, damage and corrosion caused by foreign particles.

STANDARD EQUIPMENT

Ready-to-connect screen filter.

- Washable, 90 micron screen, low maintenance
- Threaded brass connectors (for 1" to 2" models) or flange connectors (for 2 1/2" to 3" models)
- Bronze filter body
- Purge system
- Pressure gauge included for the 2 1/2" and 3" models

TYPE		AVANTI WF 1"	AVANTI WF 1 1/4"	AVANTI WF 1 1/2"	AVANTI WF 2"	AVANTI WF 2 1/2"	AVANTI WF 3"
TECHNICAL SPECIFICATIONS							
Coupling diameter	DN/inch	DN 25/1"	DN 32/1 1/4"	DN 40/1 1/2"	DN 50/2"	DN 65/2 1/2"	DN 80/3"
Rated flow at ΔP= 0.2 bar	m ³ /h	3.5	4	9	12	25	32
Threshold/filter density	μm	90	90	90	90	25	25
Max. static pressure	bars	16	16	16	16	16	16
Min/max water temperature	°C	0/35	0/35	0/35	0/35	0/35	0/35
Product code		P0003197A	P0003198A	P0003199A	P0003200A	P0003539	P0003540
SIZE SPECIFICATIONS							
Width with connector	mm	184	203	254	274	304	313
Width without connector	mm	100	105	140	140	-	-
Height	mm	239	239	290	290	770	770

ACCESSORIES AND CONSUMABLES

NAME	Product code
Set of 6 replacement filtering elements for BWT AVANTI WF FILTER 1" 1 1/4" (90 μm)	P0003332
Set of 6 replacement filtering elements for BWT AVANTI WF FILTER 1 1/2" 2" (90 μm)	P0003341
Set of 5 replacement filtering elements for BWT AVANTI WF FILTER 2 1/2" 3" (25 μm)	P0003622

BWT INFINITY FILTER

SCREEN FILTER



→ **Flow rate:** 5 to 85 m³/h

PRODUCT PLUSES

- Maintenance **without changing the screen**
- Continuous **supply of filtered water**, even when washing
- Fitted with a **directional connection head**

OPERATION

The BWT INFINITY filter is a backwash cleaning impurity filter that can be triggered manually or automatically depending on the model. This filter is composed of a 90 micron filter density screen that traps particles such as sand, iron oxide, filings, etc. By eliminating the particles it prevents certain types of corrosion.

APPLICATIONS

Ideal for community applications to protect your networks and appliances (taps, softeners, mist devices, industrial processes, etc.)

STANDARD EQUIPMENT

- Permanent screen filter
- 90 Micron filtering element
- Threaded gasket or flange coupling
- Offset, directional connector head close to the wall
- Built-in backwashing filter cleaning system:
 - manual mode: backwashing by simply turning the wheel
 - automatic mode: programmed cleaning frequency (from 1 h to 56 days)
- Control pressure gauges at the filter input and output (2" 1/2 to 4" models) to monitor clogging
- Possibility of programming washing cycles using the automatic version

TECHNICAL SPECIFICATIONS

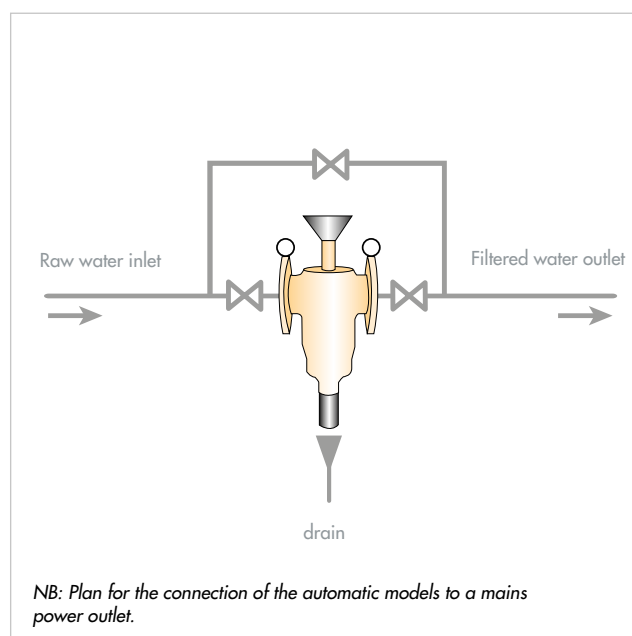
TYPE		INFINITY 3/4"	INFINITY 1"	INFINITY 1"1/4	INFINITY 1"1/2	INFINITY 2"
TECHNICAL SPECIFICATIONS						
Coupling diameter	DN/inch	DN 20/ 3/4 "	DN 25/ 1 "	DN 32/ 1"1/4	DN 40/ 1"1/2	DN 50/ 2"
Rated flow at ΔP= 0.2 bar	m³/h	3.5	4.5	5	9	11
Threshold/filter density	µm	90	90	90	90	90
Max. static pressure	bars	10	10	10	10	10
Min/max water temperature	°C	0/ 30	0/ 30	0/ 30	0/ 30	0/ 30
Manual version product code		-	-	P0010072	P0010073	P0010074
Automatic version product code		P0010075	P0010076	P0010077	P0010078	P0010079
SIZE SPECIFICATIONS						
Width	mm	210	210	218	240	260
Height	mm	550	550	550	550	550

TYPE		INFINITY 2"1/2	INFINITY 3"	INFINITY 4"
TECHNICAL SPECIFICATIONS				
Coupling diameter	DN/inch	DN 65/ 2"1/2	DN 80/ 3"	DN 100/ 4"
Rated flow at ΔP= 0.2 bar	m³/h	22	36	85
Threshold/filter density	µm	90	90	90
Max. static pressure	bars	10	10	10
Min/max water temperature	°C	0/ 30	0/ 30	0/ 30
Manual version product code		PK0033932A	PK0033933A	PK0033934A
Automatic version product code		PK0033936A	PK0033937A	PK0033938A
SIZE SPECIFICATIONS				
Width	mm	220	220	350
Height	mm	550	550	690

ACCESSORIES AND CONSUMABLES

NAME	Product code
Differential pressure gauge	P0097913
Stainless steel 200 µm screen	P0039072
Stainless steel 500 µm screen	P0003511

INSTALLATION RECOMMENDATIONS



BWT AQA SOURCE

REVERSE OSMOSIS UNIT



PRODUCT PLUSES

- Purifies water of **more than 95 % of its impurities** (lead, pesticides, nitrates, chlorine, bacteria, virus, etc.)
- **Easy installation** under the sink

OPERATION

Even though it is potable, tap water can have some taste and odour issues and can be loaded with undesirable impurities (pesticides, nitrates, lead, bacteria, etc.).

The BWT AQA SOURCE reverse osmosis unit eliminates over 95% of the water's impurities thanks to its reverse osmosis technology. It is composed of a treatment unit for a 4-step refining process and a purified water storage tank.

APPLICATIONS

Compact, it can be fitted beneath the sink and is hydraulically pre-connected. The BWT AQA SOURCE reverse osmosis unit instantly produces 2 to 3 litres of purified water per minute (depending on water quality and network pressure). This produces 150 to 250 litres of purified water per day.

STANDARD EQUIPMENT

The BWT AQA SOURCE reverse osmosis unit is composed of:

- micro-filter pre-filtering (5 micron sediment filter + activated carbon 5 micron pre-treatment filter)
- a reverse osmosis module with a membrane
- a 10L capacity pressurised storage tank allowing to store the water away from the light and any pollution
- an activated carbon finishing filter

Quick connection thanks to:

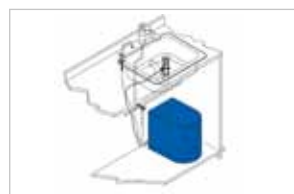
- a connection tap
- a drain connection flange
- a goose neck tap
- a disinfection kit

CARE

Change the pre-treatment filters every year or more frequently if necessary depending on your water quality.

The osmosis membrane should be replaced at least every 2 to 6 years depending on the raw water quality or when there is a significant drop in flow.

INSTALLATION RECOMMENDATIONS



→ **Flow rate: 2 to 3 L/min**

TYPE		BWT AQA SOURCE
TECHNICAL SPECIFICATIONS		
Tap flow rate	L/min	2 to 3
Min/max supply pressure	bars	2.5 / 6
Min/max water temperature	°C	10 / 30
Production capacity	L/d	150 to 250 (20 °C 4 bars)
Tank capacity	L	3.2 (4 bars)
Product code		P0002280
Retail price ex VAT ⁽¹⁾		615.00 €
SIZE SPECIFICATIONS		
W x H x D	mm	252 x 428 x 446

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Kit of 4 cartridges BOX	P0012406	75.00 €
Reverse osmosis module BOX	P0012405	152.00 €

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT AQA PURA

DRINKING WATER FILTER



→ **Flow rate: 180 L/h**

TYPE BWT AQA PURA

TECHNICAL SPECIFICATIONS

Rated flow	L/min	3
Coupling diameter	inches	3/8" M
Min supply pressure	bars	1.2
Min/max service pressure	bars	2/8
Head loss	bars	0.1 to 30 L/h - 0.15 to 60 L/h 0.6 to 100 L/h
Min/max water temperature	°C	5/ 30
Treated water capacity	L	10,000
Product code		P0003667
Retail price ex VAT ⁽¹⁾		143.00 €

SIZE SPECIFICATIONS

Width	mm	125
Cartridge height	mm	240
Total height	mm	300

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
AQA PURA replacement cartridge	P0003668	66.30 €

PRODUCT PLUSES

- **Quick and easy installation** under the sink
- **Directional filter head** and connectors included
- **Long life cartridge** 1 year (10,000 litres)

OPERATION

Tap water can sometimes have taste and odour issues, especially chlorine.

The BWT AQA PURA under-sink filter effectively eliminates the particles that cause unpleasant tastes and odours.

It is composed of a filter head and an activated carbon filter.

APPLICATIONS

The BWT AQA PURA under-sink filter is installed under the sink using a simple connection to the existing installation using a hose.

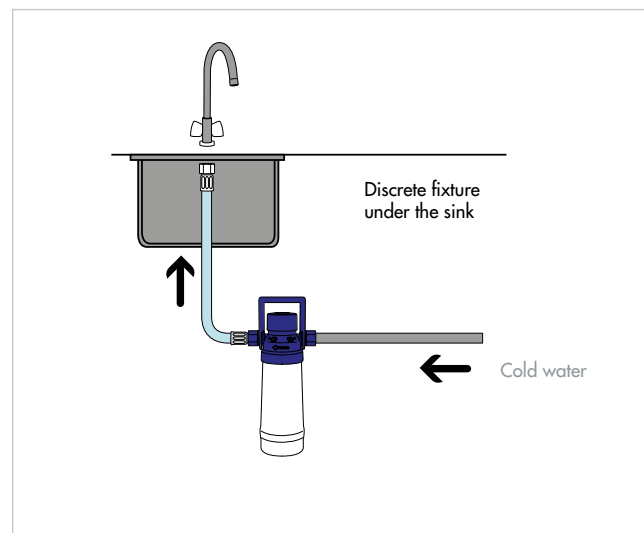
The filtered water is available instantly and on demand from the usual tap.

STANDARD EQUIPMENT

Complete, ready-to-install kit composed of:

- a filter head with its fixture support
- an activated carbon filter cartridge with a protective cover
- a 300 mm connecting hose (3/8" x 3/8")

INSTALLATION RECOMMENDATIONS



BWT 1 000 FILTER



PRODUCT PLUSES

- **Solid appliance**
- **Valve insensitive to corrosion**
- **Simple and user friendly programming**

OPERATION AND APPLICATIONS

BWT 1000 filters are used to treat water for different purposes depending on the selected filtering medium:

- sand or multi-media filtering: entrapment of undesirable particles (according to their size) at the surface of the filtering medium
- activated carbon: entrapment of the organic compounds at the origin of the tastes and odours that alter the water
- neutralite: neutralisation of undesirable water acidity

BWT 1000 filters are used to treat water in many sectors of activity: industry, process, potable water, residential, etc.

STANDARD EQUIPMENT

The BWT 1 000 filters:

- robust appliance with a valve that is insensitive to corrosion
- hydraulically controlled ABS valve
- control box with simple and user friendly programming
- chronometric programming: configurable autonomy
- operating reserve in the event of a power failure for more safety

→ **Flow: 0.25 to 2.5 m³/h**

TECHNICAL SPECIFICATIONS

TYPE		1008 S	1010 S	1013 S	1008 N	1010 N	1013 N	1008 CA	1010 CA	1013 CA
TECHNICAL SPECIFICATIONS										
Coupling diameter	DN / inch	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"
Type of medium		Sand	Sand	Sand	Neutralite	Neutralite	Neutralite	Activated carbon	Activated carbon	Activated carbon
Max flow	m ³ /h	1	1.8	2.5	0.25	0.6	1	0.3	0.75	1.2
Washing flow	m ³ /h	0.6	1	1.6	0.6	1	1.6	0.5	0.75	1.2
Min/max. dynamic pressure	bars	2/6	2/6	2/6	2/6	2/6	2/6	2/6	2/6	2/6
Min/max water temperature	°C	0/35	0/35	0/35	0/35	0/35	0/35	0/35	0/35	0/35
Product code		P0003951	P0003952	P0003953	P0003967	P0003968	P0003969	P0003957	P0003958	P0003959
Retail price ex VAT ⁽¹⁾		1265.00 €	1345.00 €	1530.00 €	1275.00 €	1375.00 €	1683.00 €	1520.00 €	1720.00 €	1990.00 €

SIZE SPECIFICATIONS

Body diameter	mm	210	260	335	210	260	335	210	260	335
Total height	mm	1290	1540	1540	1290	1540	1540	1290	1540	1540
Height from the ground to the I / O axis	mm	1200	1450	1450	1200	1450	1450	1200	1450	1450
Service weight	kg	70	140	200	70	140	200	70	140	200

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT 1010 IRON REMOVAL FILTER

FILTER



PRODUCT PLUSES

- **Better value for money**
- **Compact model**
- **Automatic washing using a double washing cycle (co-current rinsing)**

OPERATION AND APPLICATIONS

The BWT 1010 IRON REMOVAL filter delivers water that has been partially cleansed of iron and manganese thereby protecting your installation equipment.

Thanks to its medium, the BWT 1010 IRON REMOVAL filter oxidises the iron and manganese and makes it possible to recover the iron oxides thus formed.

The BWT 1010 IRON REMOVAL filter is fully automated, simple and easy to use.

Note:

The recommendation of a BWT 1010 IRON REMOVAL filter may require a suitable study of the water quality and the site, whatever the application.

Contact your regional BWT branch to get useful advice.

Precaution:

To correctly treat water, it must be subjected to an analysis showing at least the following:

- the maximum iron (Fe) content
- the maximum manganese (Mn) content
- the acidity level (pH)

NOTE: the minimum authorised iron content for potable water is 0.2 mg/L.

STANDARD EQUIPMENT

- A complete filter equipped with: a valve, a body, a charge
- An injected Noryl hydraulic control block with electronic control box
- The glass fibre reinforced polyester body and ABS or Noryl control block, both insensitive to corrosion
- A single medium

The medium is a grainy filtering substance used as a catalyst to increase the oxidation reaction of iron and manganese dissolved in the water: the compounds thus formed precipitate and can be filtered.

The BWT 1010 IRON REMOVAL medium is not consumed by the reaction and can be regenerated by loosening and washing.

The washes are carried out at a selected time for a given duration and a frequency in days.

→ **Flow:** 0.5 to 2.4 m³/h

TECHNICAL SPECIFICATIONS

TYPE	1010 IRON REMOVAL	
TECHNICAL SPECIFICATIONS		
Coupling diameter	DN / inch	DN 25 / 1"
Max flow	m ³ /h	2.4
Rinsing flow	m ³ /h	1.5 to 2
Min/max. dynamic pressure	bars	2 to 6
Fe / Mn reduction rate	%	99%*
Maximum water temperature	°C	35
Load on ground	kg	140
Packaging	mm	41 x 31 x 138
Product code		P0003978
Retail price ex VAT ⁽¹⁾		1650.00 €

SIZE SPECIFICATIONS		
Body diameter	mm	260
Total filter height	mm	1540
Input/output axis	mm	1450

* Depending on your water quality Maximum cumulated Iron and Magnesium rate: 5 mg/l

2

WHY RECOMMEND SOFTENING PRODUCTS?

Softening is a process that removes scale from water. Softener technology uses the action of resins to trap the elements in water that form scale (calcium and magnesium). The scale is therefore removed from the water to make it softer. BWT proposes a line of softeners for all needs and budgets.



SOFTENERS

→ Unequaled everyday well-being:

the softness of baths and showers, silky hair, sparkling wet-rooms, soft linen, absolute hygiene. BWT offers voluptuous water and watches over your home's energy savings.

- HOUSING SELECTION GUIDE **30**
- FOCUS ON READY-TO-INSTALL **33**
- BWT AQA PERLA DUO **34**
- BWT AQA VISEO **36**
- BWT AQA PERLA **38**
- BWT VOLUMECO **40**
- COLLECTIVE SELECTION GUIDE **42**
- BWT RONDONAT ECOBIO SC **44**
- BWT 5000 SC **46**
- BWT 6000 SC **48**
- BWT 7000 SC **50**
- BWT 9000 SC **52**
- BWT 8000 **54**
- BWT EC **56**

You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

HOW TO BEST CHOOSE YOUR SOFTENER HOUSING



HIGH PERFORMANCE



TYPE		BWT AQA PERLA DUO	BWT AQA VISEO
Applications		HOME	HOME and APARTMENT
Flow rate	m ³ /h	2 to 2.5	1.5 to 2.1
Resin volume	L	2 X 5.2	5.4
Regeneration		Proportional by volume	Proportional by volume
Connection kit		✓	✓
Resin disinfection function		✓	✓
Product pluses		<ul style="list-style-type: none"> • Continuous softening thanks to 2 resin columns 	<ul style="list-style-type: none"> • Compact • Wireless remote display to remotely track salt and water consumption.
Compactness			60 cm high
Autonomy			
Water and salt consumption			

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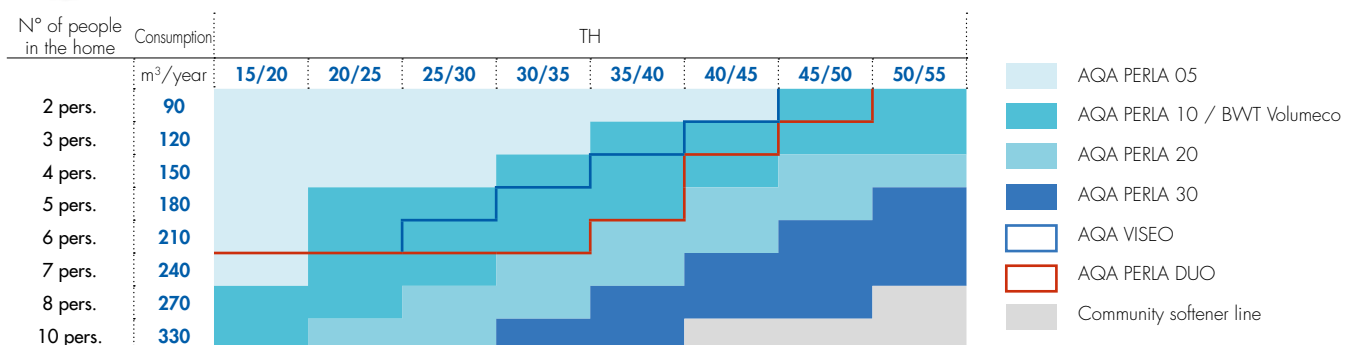
P. 36

Good performances
 Very good performances
 Excellent performances

With all BWT softeners:
 → 10 YEAR WARRANTY on the resins and the salt tank
 → COMMISSIONING by a BWT TECHNICIAN



-sizing TABLE FOR BWT RESIDENTIAL SOFTENERS



New!
CONNECTION INCLUDED
 from January 2017

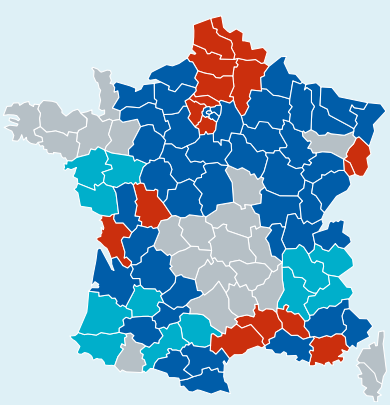
C COMFORT

€ LOW BUDGETS



BWT AQA PERLA	BWT VOLUMECO
HOME and APARTMENT	HOME
2 to 2.5	0.3 to 2
10 to 30	16
Proportional by volume	Volume
✓	✓
✓	✗
<ul style="list-style-type: none"> • Smart functions • Strong and separate salt tank 	<ul style="list-style-type: none"> • Strong
P. 38	P. 40

Good performances
 Very good performances
 Excellent performances



DETERMINE THE HARDNESS OF YOUR WATER

Water hardness varies depending on where you live. It corresponds to the amount of scale the water can produce. It is noted as TH and is expressed in French degrees (°f). This level is called total hardness (TH).

To find out the hardness of your water:

- Locate where you live on the map opposite
- Determine the TH value corresponding to the key below

- Low hardness: 0 °f < TH ≤ 15 °f softener not essential
- High hardness: 25 °f < TH ≤ 35 °f softener recommended
- Average hardness: 15 °f < TH ≤ 25 °f softener preferable
- Very high hardness: TH > 35 °f softener essential



CORNELIUS & GEMMAGENCE

Now the BWT softeners are ready to install:

Just take the minimum you need!

BWT softeners are now **delivered ready to install** with the connection accessories:

- 1 filter and its cartridge
- 1 by-pass valve
- 2 connection hoses

For an easier, cleaner and more protected installation

FOCUS ON

BWT SOFTENERS READY-TO-INSTALL!

NEW!

INSTALLATION
SIMPLER
CLEANER
MORE PROTECTED

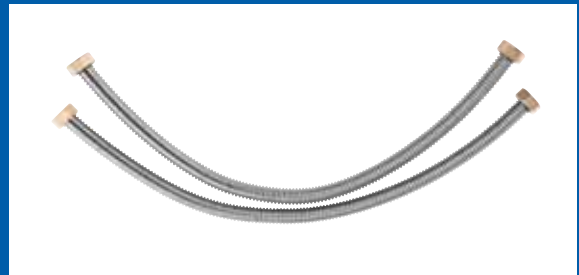
CONNECTIONS INCLUDED



PROTECTION
Cristal cartridge filter

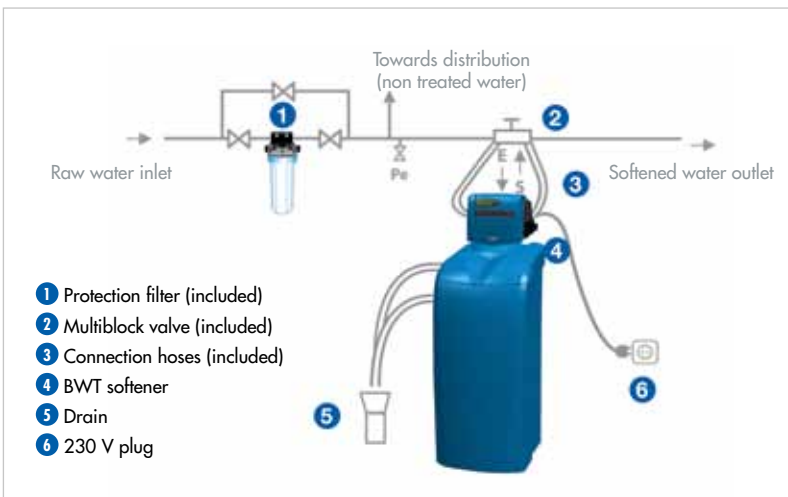


BY-PASS
Brass by-pass valve



CONNECTIONS
New flexible hoses

INSTALLATION RECOMMENDATIONS



READY-TO-INSTALL BWT SOFTENERS

NAME	Product code
AQA Perla 5 Softener	PERLA05017
AQA Perla 10 Softener	PERLA10017
AQA Perla 20 Softener	PERLA20017
AQA Perla 30 Softener	PERLA30017
Volumeco softener	VOLU017

BWT AQA PERLA DUO

WATER SOFTENER



PRODUCT PLUSES

- **Continuous softening**
- **Low consumption** of water and salt
- **Connection kit** included
- **AQA Watch function:** to control water consumption
- **AQA Stop function:** to block the water inlet if a leak is detected



COMMISSIONING
BY A TECHNICIAN
INCLUDED*



→ **Flow rate:** 1.7 m³/h at TH 0°f
2.5 m³/h at TH 10°f

→ **Resin volume:** 2 x 5.2 L

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT AQA PERLA DUO appliance is fitted with two resin columns making it possible to deliver continuous softened water. The appliance's high tech gives it low water and salt consumption. The appliance automatically calculates the quantity of softened water it produces and the remaining autonomy to trigger regeneration depending on needs (volume programming). It has simplified programming using a touch screen control box with a back-lit display.

APPLICATIONS

AQA PERLA line softeners are designed for private homes. In some cases they can also meet community applications or catering needs upstream of the equipment to protect from scale. Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- an internal meter and AQA Watch function
- a residual hardness regulation valve
- a check valve
- A Bio probe to asepticize the resins at each regeneration
- a double, glass fibre reinforced polyester body and an ABS or noryl control block (inert to corrosion)
- a downstream sampling outlet
- a connection kit (multiblock valve and hoses)
- a ground sensor and the AQA Stop function

BWT softeners have a sanitary conformity certificate as per French order of 29th May 1997.

*Commissioning by a BWT SERVICES technician included in Metropolitan France.

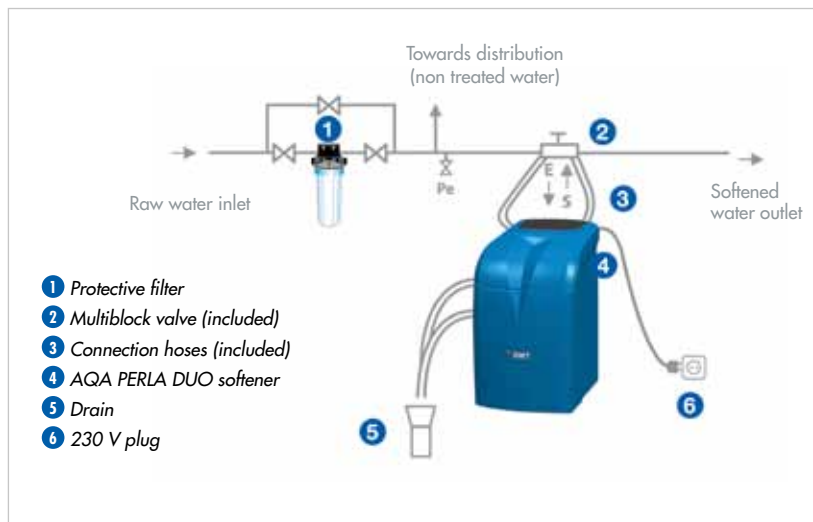
TECHNICAL SPECIFICATIONS

TYPE	AQA PERLA DUO	
TECHNICAL SPECIFICATIONS		
Resin volume	L	2 X 3.2
Exchange capacity	°f.m ³	continuous
Coupling diameter	DN / inch	DN 32 / 1"1/4
Flow rate at TH < 0.2°f	m ³ /h	1
Flow rate at TH = 10°f	m ³ /h	2.3
Min/max. dynamic pressure	bars	2 to 8
Maximum water temperature	°C	25 / 35
First salt charge	kg	50
Salt tank autonomy	no of regens.	150
Load on ground	kg	102
Product code		P0002450
Retail price ex VAT ⁽¹⁾		3110.00 €
SIZE SPECIFICATIONS		
Width	mm	500
Softener height	mm	890
Depth	mm	520

*for raw water TH of 30 °f

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



FOCUS ON

TWO NEW STANDARD FUNCTIONS

AQA WATCH FUNCTION

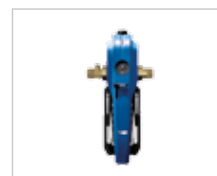
Internal programmable meter to control water consumption. Used to detect even the smallest leaks. If consumption is abnormal, the softener issues a warning signal.

AQA STOP FUNCTION

Using a ground sensor, water or damp is detected. The water inlet is then blocked upstream of the system and a warning signal is issued. And if a cut water supply is detected, the valve shuts the water inlet to prevent damage.

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
CRISTAL 4 filter	P0003350	37.80 €
E1 protection system	P0010090	320.00 €
STERICLEAN 1: water softener resin cleaner (2 x 125 mL)	P0004880	24.50 €
STERICLEAN 2: water softener resin cleaner (4 x 1 L)	P0004881	108.00 €
AQACLEAN: resin maintenance kit (1 cleaner, 1 protector, 1 TH test)	P0004890	54.00 €
SANITABS SALT in an 8 kg bag	P0009235	30.00 €
BWT SALT in a 25 kg bag (price per kilogram)	P0009250	0.62 €
TEST BOX (TH hardness analysis)	P0001561A	30.60 €
TEST PRO (TH hardness analysis)	P5445008	46.00 €
Approved installer inspection case	P0018055	210.00 €
Effluent disconnection drain	P0074702	23.00 €



BWT E1 Filter



STERICLEAN



AQA Clean

BWT AQA VISEO

WATER SOFTENER



PRODUCT PLUSES

- **Compact model:** 60 cm high
- **Monosphere resins for halved water and salt consumption** compared to a traditional softener
- **Offset wireless display**
- **Connection kit included**



COMMISSIONING
BY A TECHNICIAN
INCLUDED*



→ **Flow rate:** 2 m³/h at TH 0°f

→ **Resin volume:** 5.4 L

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. BWT AQA VISEO appliances use high tech and monosphere resins that reduce water and salt consumption. The appliance automatically calculates the quantity of softened water it produces and the remaining autonomy to trigger regeneration depending on needs (volume programming).

It has simplified programming using a control box with a back-lit display.

BWT AQA VISEO is fitted with an offset control box that shows the salt level and the home's water consumption.

APPLICATIONS

The BWT AQA VISEO is designed for use in private homes. It is a very compact model (60 cm high) which is ideal for reduced spaces. In some cases it can also meet community applications or catering needs upstream of the equipment to protect from scale. Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- offset battery powered wireless control box
- monosphere resins
- a dry salt tank
- an internal meter
- a residual hardness regulation valve
- a check valve
- a Bio probe to asepticize the resins at each regeneration
- a glass fibre reinforced polyester body and an ABS or noryl control block (inert to corrosion)
- a BWT CRISTAL 4 pre-filter
- a drain
- a connection kit (multiblock valve + hoses)

BWT softeners have a sanitary conformity certificate as per French order of 29th May 1997.

*Commissioning by a BWT SERVICES technician included in Metropolitan France.

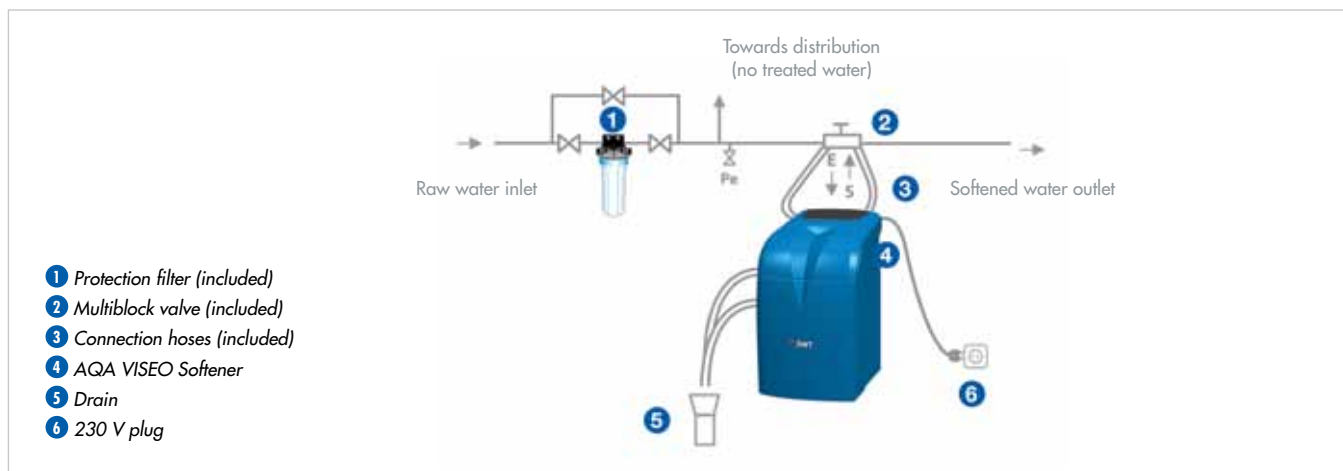
TECHNICAL SPECIFICATIONS

TYPE	AQA VISEO	
TECHNICAL SPECIFICATIONS		
Resin volume	L	5.4
Exchange capacity	°f.m ³	28
Coupling diameter	DN / inch	DN 25/1"
Flow rate at TH < 0.2°f	m ³ /h	2.0
Flow rate at TH = 10°f	m ³ /h	3.0
Min/max. dynamic pressure	bars	2.5/7
Maximum water temperature	°C	35
First salt charge	kg	30
Salt tank autonomy	no of regens.	55 to 60
Load on ground	kg	55
Product code		P0002300A
Retail price ex VAT ⁽¹⁾		2300.00 €
SIZE SPECIFICATIONS		
Width	mm	358
Softener height	mm	600
Depth	mm	480

*for raw water TH of 30 °f

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
STERICLEAN 1: water softener resin cleaner (2 x 125 mL)	P0004880	24.50 €
STERICLEAN 2: water softener resin cleaner (4 x 1 L)	P0004881	108.00 €
AGACLEAN: resin maintenance kit (1 cleaner, 1 protector, 1 TH test)	P0004890	54.00 €
SANTABS SALT in an 8 kg bag	P0009235	30.00 €
BWT SALT in a 25 kg bag (price per kilogram)	P0009250	0.62 €
TEST BOX (TH hardness analysis)	P0001561A	30.60 €
TEST PRO (TH hardness analysis)	P5445008	46.00 €
Approved installer inspection case	P0018055	210.00 €
Effluent disconnection drain	P0074702	23.00 €
Wall fixture for AQA PERLA VISEO	P0011820	178.00 €



AQA Clean



Wall support

BWT AQA PERLA

WATER SOFTENER



COMMISSIONING
BY A TECHNICIAN
INCLUDED*



→ **Flow rate:** 2 to 2.4 m³/h at TH 0°f

→ **Resin volume:** 10 to 30 L

PRODUCT PLUSES

- **Low consumption** of water and salt
- **Bio function** : resin disinfection
- **Connection kit** included

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. BWT AQA PERLA appliances use high tech that reduces water and salt consumption.

The appliance automatically calculates the quantity of softened water it produces and the remaining autonomy to trigger regeneration depending on needs (volume programming). It has simplified programming using a control box with a back-lit display.

APPLICATIONS

AQA PERLA line softeners are designed for private homes. In some cases they can also meet community applications or catering needs upstream of the equipment to protect from scale. Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- an internal meter
- a residual hardness regulation valve
- a check valve
- a Bio probe to aseptinize the resins at each regeneration
- a glass fibre reinforced polyester body and an ABS or noryl control block (inert to corrosion)
- a BWT CRISTAL 4 pre-filter
- a drain
- a connection kit (multiblock valve + hose)

BWT softeners have a sanitary conformity certificate as per French order of 29th May 1997.

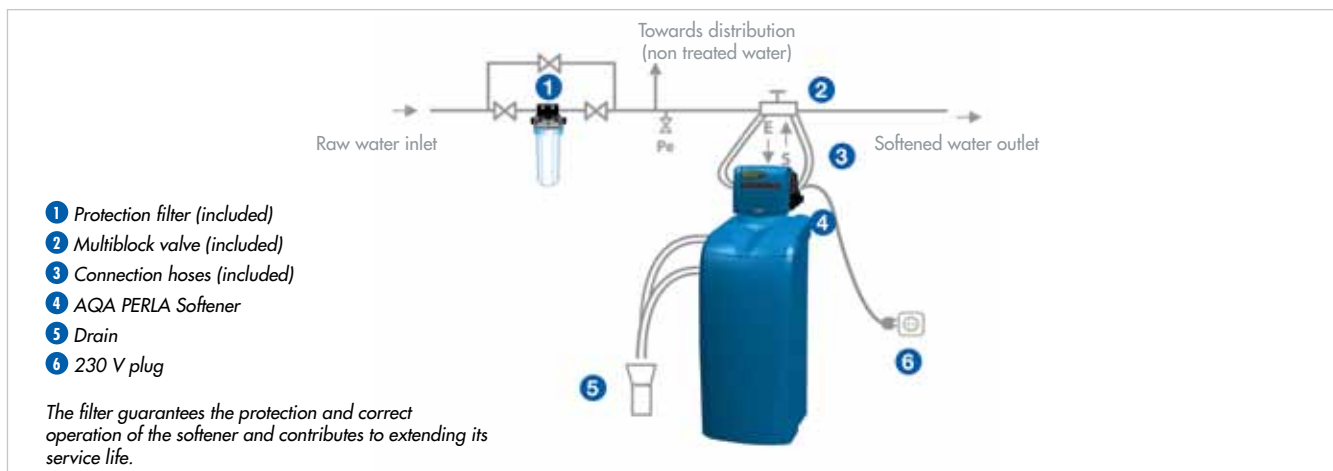
*Commissioning by a BWT SERVICES technician included in Metropolitan France.

TECHNICAL SPECIFICATIONS

TYPE		AQA PERLA 05	AQA PERLA 10	AQA PERLA 20	AQA PERLA 30
TECHNICAL SPECIFICATIONS					
Resin volume	L	10	16	20	28
Exchange capacity	°f.m ³	60	90	120	160
Coupling diameter	DN / inch	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"
Flow rate at TH < 0.2°f	m ³ /h	2.0	2.0	2.5	2.5
Flow rate at TH = 10°f	m ³ /h	3.0	3.0	3.75	3.75
Min/max. dynamic pressure	bars	2.0/7	2.0/7	2.0/7	2.0/7
Maximum water temperature	°C	35	35	35	35
First salt charge	kg	16	60	60	75
Salt tank autonomy	no of regens.	9	14	11	9
Load on ground	kg	55	115	120	135
Product code		PERLA05017	PERLA10017	PERLA20017	PERLA30017
Retail price ex VAT ⁽¹⁾		2160.00 €	2160.00 €	2410.00 €	2520.00 €
SIZE SPECIFICATIONS					
Width	mm	385	385	385	405
Softener height	mm	655	1110	1110	1110
Depth	mm	500	500	500	500

*for raw water TH of 30 °f

INSTALLATION RECOMMENDATIONS



ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
STERICLEAN 1: water softener resin cleaner (2 x 125 mL)	P0004880	24.50 €
STERICLEAN 2: water softener resin cleaner (4 x 1 L)	P0004881	108.00 €
AQACLEAN: resin maintenance kit (1 cleaner, 1 protector, 1 TH test)	P0004890	54.00 €
SANITABS SALT in an 8 kg bag	P0009235	30.00 €
BWT SALT in a 25 kg bag (price per kilogram)	P0009250	0.62 €
TEST BOX (TH hardness analysis)	P0001561A	30.60 €
TEST PRO (TH hardness analysis)	P5445008	46.00 €
Approved installer inspection case	P0018055	210.00 €
Effluent disconnection drain	P0074702	23.00 €



AQA Clean



STERICLEAN

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT VOLUMECO

WATER SOFTENER



COMMISSIONING
BY A TECHNICIAN
INCLUDED*



→ **Flow rate:** 2 m³/h at TH 0°f

→ **Resin volume:** 16 L

PRODUCT PLUSES

- **Solid** appliance
- **Essential functions**
- **Connection kit** included

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using resins. Scale salts (calcium and magnesium) are trapped, softening the water.

The BWT VOLUMECO softener has the essential functions.

The appliance automatically calculates the quantity of softened water it produces and the remaining autonomy to trigger regeneration depending on needs (volume programming).

It has simplified programming using a simple control box.

APPLICATIONS

The BWT VOLUMECO softener is designed for use in private homes.

In some cases it can also meet community applications or catering needs upstream of the equipment to protect from scale.

Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- an internal meter
- a residual hardness regulation valve
- a check valve
- a connection kit (multiblock valve + hoses)
- a BWT CRISTAL 4 pre-filter

BWT softeners have a sanitary conformity certificate as per French order of 29th May 1997.

*Commissioning by a BWT SERVICES technician included in Metropolitan France.

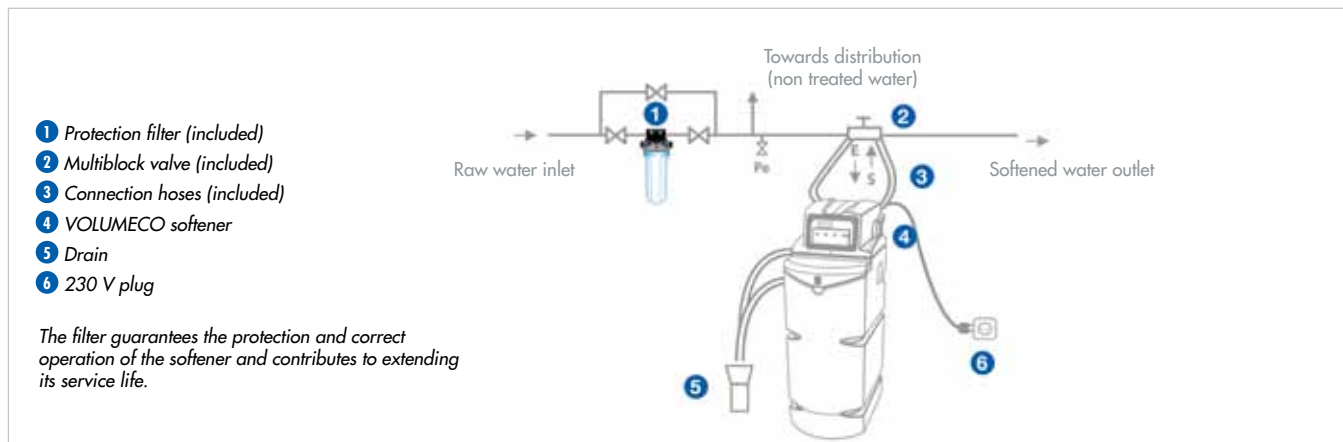
TECHNICAL SPECIFICATIONS

TYPE	VOLUMECO	
TECHNICAL SPECIFICATIONS		
Resin volume	L	16
Exchange capacity	°f.m ³	90
Coupling diameter	DN / inch	DN 25/1"
Flow rate at TH < 0.2°f	m ³ /h	2.0
Flow rate at TH = 10°f*	m ³ /h	3.0
Min/max. dynamic pressure	bars	2/7
Maximum water temperature	°C	35
First salt charge	kg	125
Salt tank autonomy	no of regens.	50
Load on ground	kg	180
Product code		VOLU017
Retail price ex VAT ⁽¹⁾		1490.00 €
SIZE SPECIFICATIONS		
Width	mm	410
Softener height	mm	1,100
Depth	mm	535

*for raw water TH of 30 °f

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
STERICLEAN 1: water softener resin cleaner (2 x 125 mL)	P0004880	24.50 €
STERICLEAN 2: water softener resin cleaner (4 x 1 L)	P0004881	108.00 €
AQACLEAN: resin maintenance kit (1 cleaner, 1 protector, 1 TH test)	P0004890	54.00 €
SANITABS SALT in an 8 kg bag	P0009235	30.00 €
BWT SALT in a 25 kg bag (price per kilogram)	P0009250	0.62 €
TEST BOX (TH hardness analysis)	P0001561A	30.60 €
TEST PRO (TH hardness analysis)	P5445008	46.00 €
Effluent disconnection drain	P0074702	23.00 €



AQA Clean



STERICLEAN

HOW TO BEST CHOOSE YOUR SOFTENER

COMMERCIAL MARKETS



simplyconnect

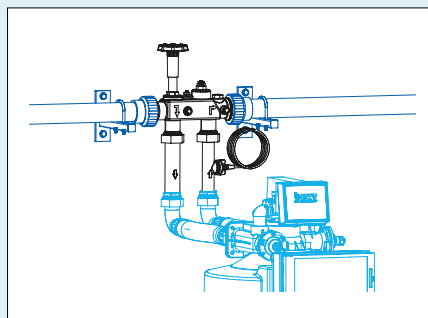


TYPE		BWT RNDOMAT ECOBIO SC	BWT 5000 SC	BWT 6000 SC
Flow rate	m ³ /h	Depending on the models	2 to 2.4	2.4 to 3
Resin volume	L	Continuous	10 to 28	25 to 75
Regeneration		Proportional by volume	Timed Volumetric	Timed Volumetric
Connection kit		✓	✓	✓
Resin disinfection function		✓	✗	✗
Hygiène + option		N.A.	✗	✓
Product pluses		<ul style="list-style-type: none"> • Low consumption of water and salt • Digital display • High tech duplex • Strong and separate salt tank 	<ul style="list-style-type: none"> • Digital display • Composite body inert to corrosion • Strong salt tank built into the softener • General operating fault alarm 	<ul style="list-style-type: none"> • Digital display • Composite body inert to corrosion • Strong and separate salt tank • General operating fault alarm
Compactness		☹☹☹	☹☹☹	☹☹
Autonomy		☹☹☹	☹☹☹	☹☹☹
		P. 44	P. 46	P. 48

simplyconnect

The SIMPLY CONNECT softeners are fitted with:

- By-pass
- Blending valve
- Meter
- Sample-taking outlet



SIMPLY CONNECT SOFTENERS:

- Ready-to-connect
- Easy to install
- Reliable and safe assembly
- Economic

simplyconnect



BWT 7000 SC	BWT 9000 SC	BWT 8000	BWT EC
7 to 9.5	13 to 14	20 to 26	2.7
50 to 150	175 to 300	150 to 1250	17 to 65
Timed Volumetric	Timed Volumetric	Timed Volumetric	Timed
✓	✓	✗	✗
✗	✗	✗	✗
✓	✓	✗	✗
<ul style="list-style-type: none"> Digital display Composite body inert to corrosion Strong and separate salt tank General operating fault alarm 	<ul style="list-style-type: none"> Digital display Composite body inert to corrosion Strong and separate salt tank General operating fault alarm 	<ul style="list-style-type: none"> Digital display Composite body inert to corrosion Strong and separate salt tank General operating fault alarm 	<ul style="list-style-type: none"> Withstands up to 65 °C Strong and separate salt tank Display of the "service" and "regeneration" functions
P. 50	P. 52	P. 54	P. 56

HYGIÈNE OPTION +

Softener resin cleaning and disinfection

PROTECT YOUR INSTALLATION USING THE HYGIENE OPTION +

① AQUACLEAN cleaning kit when the softener is commissioned:

- 1 organic dirt cleaner (biofilm, greases, organic matter)
- 1 mineral dirt cleaner (metal oxides, lime scale deposits)
- 1 hardness measurement test

→ Extends and optimises the effectiveness and performances of softener resins



② A chlorination sensor active each time the softener regenerates:

Installed in the softener's salt tank, the electro-chlorination sensor is used to disinfect the resin by electrolysing the brine intake during the softener regeneration phases

→ Continuous resin disinfection

NAME	Product code
Hygiène + 6000	PK0004895A
Hygiène + 7000	PK0004895B
Hygiène + 9000	PK0004896A

BWT RONDONAT ECOBIO SC

WATER SOFTENER



→ **Flow rate:** 2 to 10 m³/h at TH 0 °f

PRODUCT PLUSES

- **Continuous production** of softened water
- **Exclusive** anti-bacterial technique
- **SIMPLY CONNECT:**
fast, easy and economic connection

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT RONDONAT ECOBIO SC softening stations use high tech to treat high flows of water.

The appliance is fitted with two resin columns making it possible to deliver continuous softened water.

Its technology gives it low water (-50%) and salt (-40%) consumption.

It is fitted with an exclusive bacterial growth prevention system.

This compact, single salt tank station takes up very little space.

APPLICATIONS

The BWT RONDONAT ECOBIO SC is designed for all softened water applications in sensitive environments, for continuous water production:

- community facilities and establishments open to the public
- hospitals
- retirement homes
- industry

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- an automatic, two-bottle valve
- a DN 32 / 1"1/4 or DN 50 / 2' connection
- a glass fibre reinforced polyester body: no risks of corrosion
- a digital IP54 control box: shows the production cycle history and faults, the flow of softened water production; BMS reporting included
- a single, fast dissolving salt tank
- approved food grade resin
- a SIMPLY CONNECT coupling system: built-in meter, by-pass, mixer tap and hoses
- a low salt level detection system

TECHNICAL SPECIFICATIONS

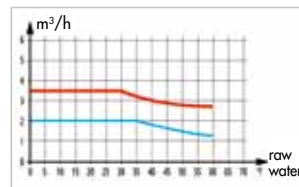
TYPE		ECOBIO 2	ECOBIO 3	ECOBIO 6	ECOBIO 10
TECHNICAL SPECIFICATIONS					
Coupling diameter	DN / inch	DN 32/ 1"1/4	DN 32/ 1"1/4	DN 50/ 2"	DN 50/ 2"
Flow rate at TH < 0.2°f	m³/h	2	3	6	10
Flow rate at TH = 10°f	m³/h	3	4.5	9	15
Min/max. dynamic pressure	bars	2.5/8.0	2.5/8.0	2.5/8.0	2.5/8.0
Maximum water temperature	°C	35	35	35	35
First salt charge	kg	75	75	150	150
Salt tank autonomy	no of regens.	50	22	18	12
Load on ground	kg	200	280	650	780
Product code		BKORONDO2SC	BKORONDO3SC	BKORONDO6SC	BKORONDO10SC
SIZE SPECIFICATIONS					
Softener body diameters	mm	269	269	400	552
Softener height	mm	870	1380	1540	1550
Salt tank diameter	mm	470	470	650	650
Salt tank height	mm	630	630	880	880

*for raw water TH of 30 °f

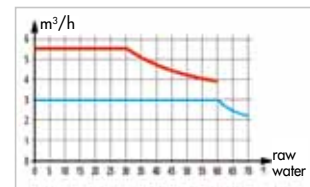
SELECTION OF THE BWT RONDOMAT ECOBIO SC SOFTENING STATION

The BWT Rondomat Ecobio softening station is determined using the:

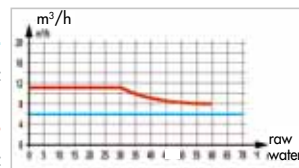
- raw water hardness in °f
- the required residual hardness of the treated water
- the continuous (or nominal) water flow rate to provide in the installation



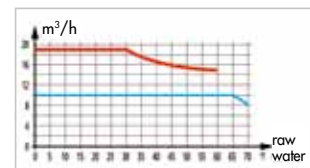
BWT ECOBIO 2 station



BWT ECOBIO 3 station



BWT ECOBIO 6 station

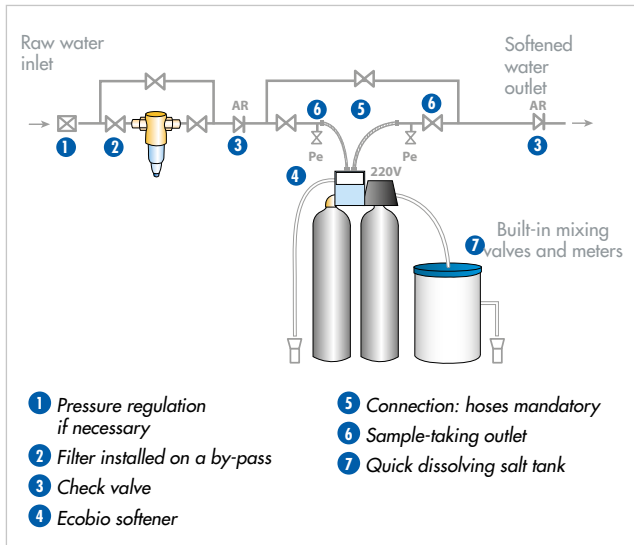


BWT ECOBIO 10 station

For water distributed at TH 0 °f

For water distributed at TH 14 °f

INSTALLATION RECOMMENDATIONS



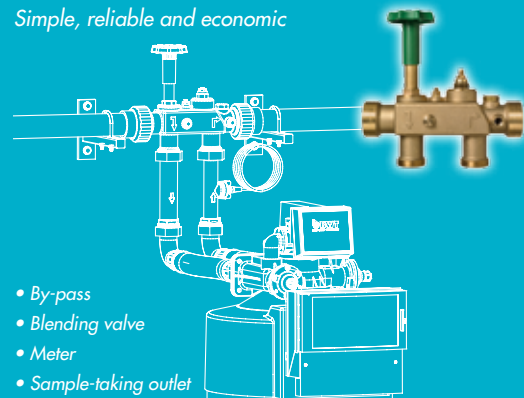
ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY Manual DN 32/ 1"1/4 filter	P0010072
BWT INFINITY Automatic DN 32/ 1"1/4 filter	P0010077
BWT AVANTI WF DN 32/ 1"1/4 filter	P0003198A
BWT INFINITY manual DN 50/ 2" filter	P0010074
BWT INFINITY automatic DN 50/ 2" filter	P0010079
BWT AVANTI WF DN 50/ 2" filter	P0003200A

FOCUS ON

SIMPLY CONNECT SOFTENERS

Simple, reliable and economic



- By-pass
- Blending valve
- Meter
- Sample-taking outlet

NAME	Product code
AQA CLEAN 1 (community softener maintenance kit) for R. ECOBIO 2/3/6	P0004895
AQA CLEAN 2 (community softener maintenance kit) for R. ECOBIO 10	P0004896
Tee connector for TH 0°f SIMPLY CONNECT	P0073402
DN 32/ 1"1/4 mixing valve	P0001923
PROBOX TH Analysis	P0080505

BWT 5000 SC

WATER SOFTENER



→ **Flow rate:** 2 to 2.4 m³/h at TH 0°f

→ **Resin volume:** 10 to 28 L

PRODUCT PLUSES

- **Space-saving** compact softener
- **SIMPLY CONNECT:** fast, easy and economic connection

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT 5000 SC appliance uses high tech that reduces water and salt consumption.

The appliance automatically calculates the quantity of softened water it produces and the remaining autonomy to trigger regeneration depending on needs (volume programming). It has simplified programming using a control box.

APPLICATIONS

The SIMPLY CONNECT line BWT softeners are for community housing, offices, hotels, catering or healthcare establishments for applications to:

- fill heating and air conditioning circuits
- protect washing machines and steam ovens
- produce domestic hot water

BWT 5000 SC softeners are single-part and ideal for reduced spaces in boiler rooms or in kitchens.

Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

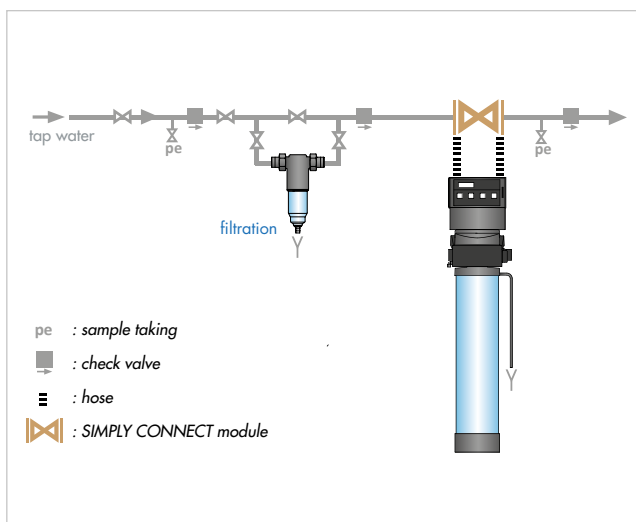
- a polymer (Noryl) valve with built-in meter and mixer
- a DN 25/1" connection
- a glass fibre reinforced polyester body: no risks of corrosion
- an electronic control box
- food grade approved resins
- a SIMPLY CONNECT coupling system: built-in meter, by-pass, mixer and hoses

TECHNICAL SPECIFICATIONS

TYPE		5010 SC	5016 SC	5028 SC
TECHNICAL SPECIFICATIONS				
Resin volume	L	10	16	28
Exchange capacity	°f.m ³	55	88	154
Coupling diameter	DN / inch	DN 25/ 1"	DN 25/ 1"	DN 25/ 1"
Flow rate at TH < 0.2°f	m ³ /h	2	2.2	2.3
Flow rate at TH = 10°f	m ³ /h	3.0	3.3	3.4
Min/max. dynamic pressure	bars	2.0/7	2.0/7	2.0/7
Maximum water temperature	°C	35	35	35
First salt charge	kg	25	125	125
Salt tank autonomy	number of regens.	27	48	24
Load on ground	kg	120	150	160
Product code		BK05010SC25	BK05016SC25	BK05028SC25
SIZE SPECIFICATIONS				
Softener length	mm	330	570	570
Softener height	mm	690	1140	1140
Depth	mm	610	460	460

*for raw water TH of 30 °f

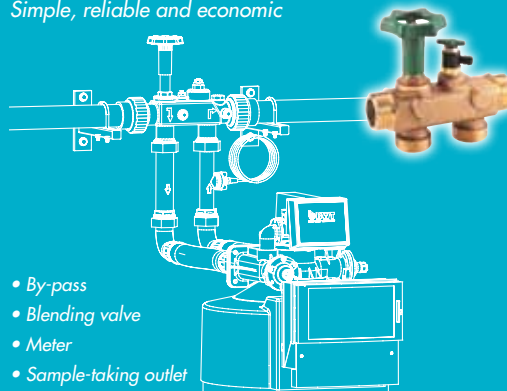
INSTALLATION RECOMMENDATIONS



FOCUS ON

SIMPLY CONNECT SOFTENERS

Simple, reliable and economic



ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY automatic DN 25 / 1" filter	P0010076
BWT AVANTI WF DN 25/1" filter	P0003197A
Resin chlorination kit (up to 125 L)	P0011507
AQA CLEAN 1 (community softener maintenance kit from 50 to 150 L)	P0004895
DN 25 / 1" mixing valve	P0001920
Low salt level sensor	C0261545

BWT 6000 SC

WATER SOFTENER



→ **Flow rate:** 2.4 to 3 m³/h at TH 0°f

→ **Resin volume:** 25 to 75 L

PRODUCT PLUSES

- Turnkey **industrial configuration**
- **SIMPLY CONNECT:** fast, easy and economic connection

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT 6000 SC appliances use high tech to treat high flows of water.

Possible duplex or triplex operation when mounted in parallel or alternating configuration using an alternating kit.

APPLICATIONS

The SIMPLY CONNECT line BWT softeners are for community housing, offices, hotels, catering or healthcare establishments for applications to:

- fill heating and air conditioning circuits
- protect washing machines and steam ovens
- produce domestic hot water
- supply industrial processes (e.g.: cooling towers, boilers, technical services, cooling water, etc.).

STANDARD EQUIPMENT

Softener delivered complete fitted with:

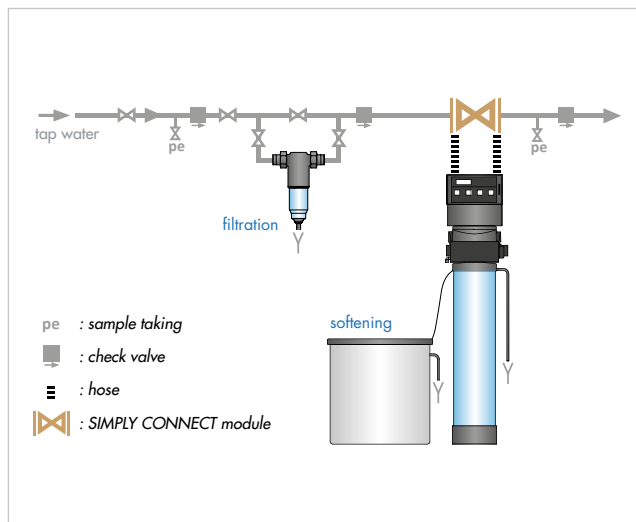
- a polymer (Noryl) valve with built-in meter and mixer
- a DN 32/1"1/4 connection
- a glass fibre reinforced polyester body: no risks of corrosion
- an electronic control box
- approved food grade resin
- a SIMPLY CONNECT coupling system: built-in meter, by-pass, mixer and hoses

TECHNICAL SPECIFICATIONS

TYPE		6025 SC	6050 SC	6075 SC
TECHNICAL SPECIFICATIONS				
Resin volume	L	25	50	75
Exchange capacity	°f.m ³	140	275	410
Coupling diameter	DN / inch	DN 32/ 1"1/4	DN 32/ 1"1/4	DN 32/ 1"1/4
Flow rate at TH < 0.2°f	m ³ /h	2.4	2.6	3.0
Flow rate at TH = 10°f	m ³ /h	3.6	3.9	4.5
Min/max. dynamic pressure	bars	2/7	2/7	2/7
Maximum water temperature	°C	35	35	35
First salt charge	kg	75	100	200
Salt tank autonomy	number of regens.	20	17	13
Load on ground	kg	240	300	500
Product code		BK06025SC32	BK06050SC32	BK06075SC32
SIZE SPECIFICATIONS				
Softener body diameters	mm	210	260	335
Softener height	mm	1,580	1,830	1,830
Salt tank diameter	mm	470	530	720
Salt tank height	mm	660	780	800

*for raw water TH of 30 °f

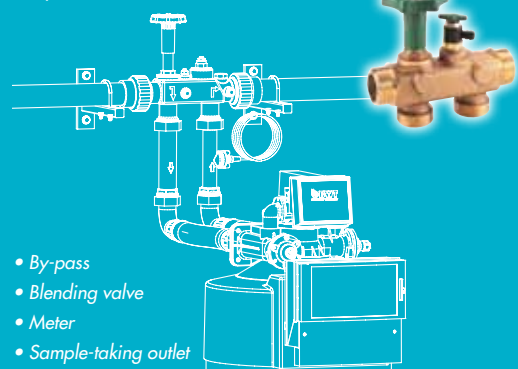
INSTALLATION RECOMMENDATIONS



FOCUS ON

SIMPLY CONNECT SOFTENERS

Simple, reliable and economic



ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY Manual DN 32/ 1"1/4 filter	P0010072
BWT INFINITY Automatic DN 32/ 1"1/4 filter	P0010077
BWT AVANTI WF DN 32/ 1"1/4 filter	P0003198A
Resin chlorination kit (up to 125 L)	P0011506
HYGIÈNE+ 6000 Kit	PK0004895A

NAME	Product code
AQA CLEAN 1 (community softener maintenance kit from 50 to 150 L)	P0004895
DN 25 / 1" mixing valve	P0001920
Low salt level sensor	C0261545
By-pass suppression kit for BWT 6000 SC	P0001286
Alternation kit	P0005716

BWT 7000 SC

WATER SOFTENER



→ **Flow rate:** 7 to 9.5 m³/h at TH 0°f

→ **Resin volume:** 50 to 150 L

PRODUCT PLUSES

- Turnkey **industrial configuration**
- **SIMPLY CONNECT:** fast, easy and economic connection

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT 7000 SC appliances use high tech to treat high flows of water.

Possible duplex or triplex operation when mounted in parallel or alternating configuration using an alternating kit.

APPLICATIONS

The SIMPLY CONNECT line BWT softeners are for community housing, offices, hotels, catering or healthcare establishments for applications to:

- fill heating and air conditioning circuits
- protect washing machines and steam ovens
- produce domestic hot water
- supply industrial processes (e.g.: cooling towers, boilers, technical services, cooling water, etc.).

STANDARD EQUIPMENT

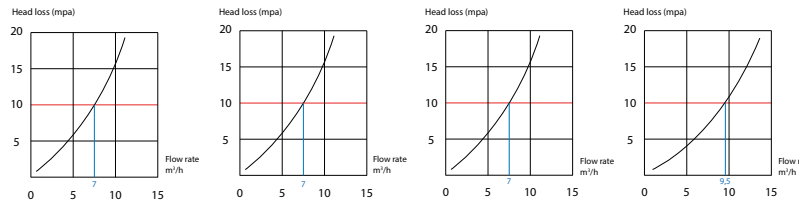
Softener delivered complete fitted with:

- a polymer valve (Noryl)
- a SIMPLY CONNECT coupling system: built-in meter, by-pass, mixer and hoses
- an electronic control box

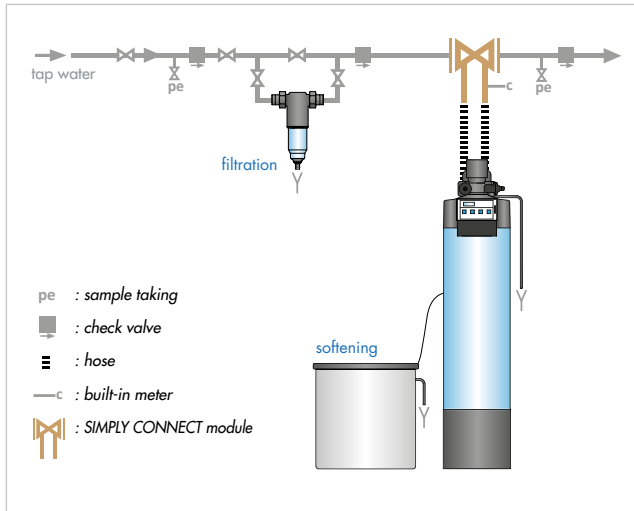
TECHNICAL SPECIFICATIONS

TYPE		7050 SC	7075 SC	7125 SC	7150 SC
TECHNICAL SPECIFICATIONS					
Resin volume	L	50	75	125	150
Exchange capacity	°f.m ³	275	410	685	825
Coupling diameter	DN / inch	DN 50/ 2"	DN 50/ 2"	DN 50/ 2"	DN 50/ 2"
Flow rate at TH < 0.2°f	m ³ /h	7	7	7	9.5
Flow rate at TH = 10°f	m ³ /h	10.5	10.5	10.5	14
Min/max. dynamic pressure	bars	2/7	2/7	2/7	2/7
Maximum water temperature	°C	35	35	35	35
First salt charge	kg	135	135	200	200
Salt tank autonomy	number of regens.	21	10	15	12
Load on ground	kg	450	500	550	850
Product code		BK07050SC40	BK07075SC40	BK07125SC40	BK07150SC40
SIZE SPECIFICATIONS					
Softener body diameters	mm	375	375	425	460
Softener height	mm	1,245	1,750	1,790	1,880
Salt tank diameter	mm	720	720	720	715
Salt tank height	mm	800	800	800	1400

*for raw water TH of 30 °f



INSTALLATION RECOMMENDATIONS



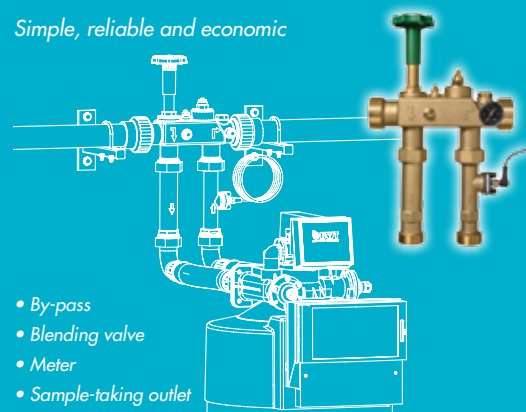
ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY manual DN 40 / 1"1/2 filter	P0010073
BWT INFINITY automatic DN 40 / 1"1/2 filter	P0010078
BWT AVANTI WF DN 40 / 1"1/2 filter	P0003199A
Resin chlorination kit (up to 125 L)	P0011507
SANIRESINE resin chlorination kit (up to 400 L)	P0029527
AQA CLEAN 1 (community softener maintenance kit)	P0004895
HYGIÈNE+ 7000 Kit	PK0004895B

FOCUS ON

SIMPLY CONNECT SOFTENERS

Simple, reliable and economic



- By-pass
- Blending valve
- Meter
- Sample-taking outlet

NAME	Product code
Tee connector for TH 0°f SIMPLY CONNECT	P0073402
DN 32 / 1"1/4 mixing valve	P0001923
Low salt level sensor	C0261545
Bypass suppression kit	P0001791
Alternation kit	P0005702

BWT 9000 SC

WATER SOFTENER



PRODUCT PLUSES

- **Industrial configuration**
- **SIMPLY CONNECT:** fast, easy and economic connection

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT 9000 SC appliances use high tech to treat high flows of water.

Possible duplex or triplex operation when mounted in parallel or alternating configuration using an alternating kit.

APPLICATIONS

The SIMPLY CONNECT line BWT softeners are for community housing, offices, hotels, catering or healthcare establishments for applications to:

- fill heating and air conditioning circuits
- protect washing machines and steam ovens
- produce domestic hot water
- supply of industrial processes (e.g.: cooling towers, boilers, technical services, cooling water, etc.).

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- a bronze valve with by-pass
- a DN 50/2" (SC) connection
- a glass fibre reinforced polyester body: no risks of corrosion
- an electronic control box
- approved food grade resin
- a SIMPLY CONNECT coupling system: built-in meter, by-pass, mixer and hoses

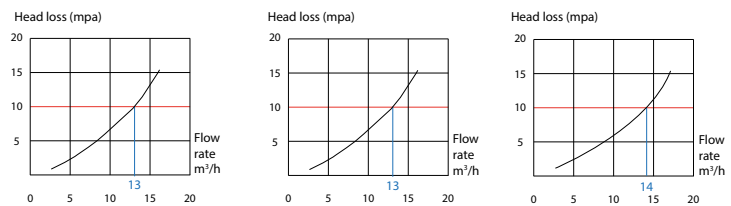
→ **Flow rate:** 13 to 14 m³/h at TH 0°f

→ **Resin volume:** 175 to 300 L

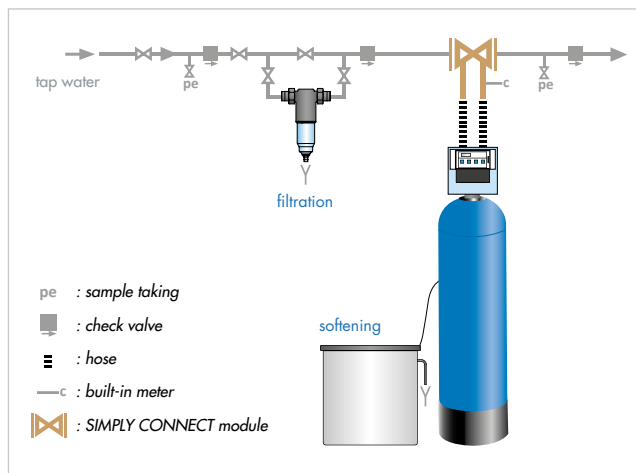
TECHNICAL SPECIFICATIONS

TYPE		9175 SC	9225 SC	9300 SC
TECHNICAL SPECIFICATIONS				
Resin volume	L	175	225	300
Exchange capacity	°f.m ³	960	1240	1650
Coupling diameter	DN / inch	DN 50 / 2"	DN 50 / 2"	DN 50 / 2"
Flow rate at TH < 0.2°f	m ³ /h	13	13	14
Flow rate at TH = 10°f	m ³ /h	19.5	19.5	21
Min/max. dynamic pressure	bars	2/7	2/7	2/7
Maximum water temperature	°C	35	35	35
First salt charge	kg	300	300	400
Salt tank autonomy	number of regens.	21	12	16
Load on ground	kg	900	1000	1150
Product code		BK09175SC50	BK09225SC50	BK09300SC50
SIZE SPECIFICATIONS				
Softener body diameters	mm	460	550	610
Softener height	mm	2,110	1,965	2,205
Salt tank diameter	mm	720	720	720
Salt tank height	mm	1,400	1,400	1,400

*for raw water TH of 30 °f



INSTALLATION RECOMMENDATIONS



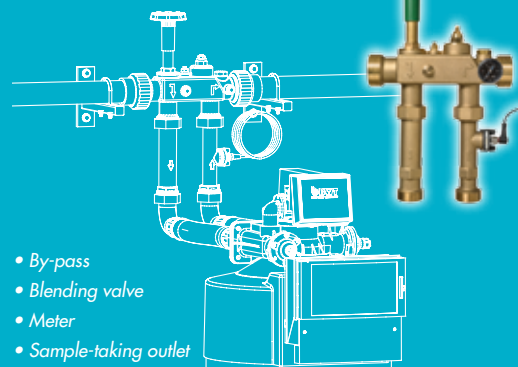
ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY manual DN 50 / 2" filter	P0010074
BWT INFINITY automatic DN 50 / 2" filter	P0010079
BWT AVANTI WF DN 50 / 2" filter	P0003200A
SANIRESINE resin chlorination kit (up to 400 L)	P0029527
AQA CLEAN CT 2 (community softener maintenance kit)	P0004896
Tee connector for TH 0°f SIMPLY CONNECT	P0073402
HYGIÈNE+ 9000 Kit	PK0004896A

FOCUS ON

SIMPLY CONNECT SOFTENERS

Simple, reliable and economic



NAME	Product code
DN 32 / 1"1/4 mixing valve	P0001923
DN 50 / 2" mixing valve	P0001924
Low salt level sensor	C0261545
Hydro alternation kit 2 meters (not included)	P0001921
Hydro alternation kit 1 meter (not included)	P0001922

BWT 8000

WATER SOFTENER



PRODUCT PLUSES

- *Industrial configuration*
- *High flow treatment*

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. The BWT 8000 appliances use high tech to treat high flows of water.

Possible duplex or triplex operation when mounted in parallel or alternating configuration using an alternating kit.

APPLICATIONS

The 8000 line softeners are for community housing, offices, hotels, catering or healthcare establishments for applications to:

- produce domestic hot water
- fill heating and air conditioning circuits
- protect washing machines and steam ovens
- supply industrial processes (e.g.: cooling towers, boilers, technical services, cooling water, etc.).

Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- a steel valve with or without bypass depending on the setting
- a DN 2"1/2 connection
- a glass fibre reinforced polyester body: no risks of corrosion
- an electronic control box
- food grade approved resins
- a pair of 2"1/2 hoses

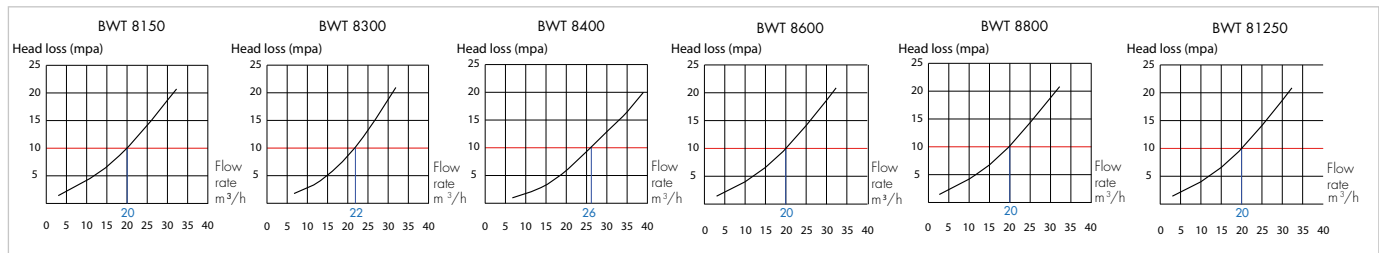
→ **Flow rate:** 20 to 26 m³/h at TH 0°f

→ **Resin volume:** 150 to 1,250 L

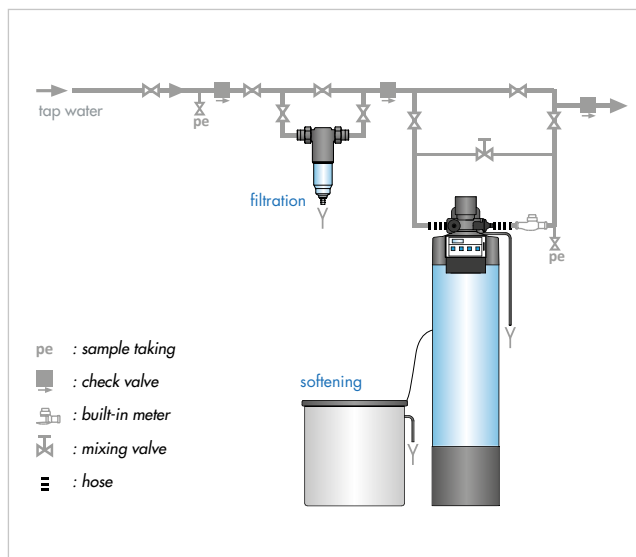
TECHNICAL SPECIFICATIONS

TYPE		BWT 8150	BWT 8300	BWT 8400	BWT 8600	BWT 8800	BWT 81250
TECHNICAL SPECIFICATIONS							
Resin volume	L	150	300	400	600	800	1250
Exchange capacity	°f.m ³	825	1650	2200	3300	4400	6875
Coupling diameter	DN / inch	DN 65/2"1/2	DN 65/2"1/2	DN 65/2"1/2	DN 65/2"1/2	DN 65/2"1/2	DN 65/2"1/2
Flow rate at TH < 0.2°f	m ³ /h	20	22	26	20	20	20
Flow rate at TH = 10°f	m ³ /h	30	33	39	30	30	30
Min/max. dynamic pressure	bars	2/7	2/7	2/7	2/7	2/7	2/7
Maximum water temperature	°C	35	35	35	35	35	35
First salt charge	kg	400	400	600	1000	1000	2000
Salt tank autonomy	number of regens.	13	9	7	12	8	10
Load on ground	T/m ²	5	5	4	4	4	4
Product code		BK000008150	BK000008300	BK000008400	BK000008600	BK000008800	BK0000081250
SIZE SPECIFICATIONS							
Softener body diameters	mm	550	610	770	930	1075	1225
Softener height	mm	2210	2250	2400	2430	2395	2455
Salt tank diameter	mm	720	720	820	1300	1,300	2x1300
Salt tank height	mm	1400	1400	1400	1560	1560	1560

*for raw water TH of 30 °f



INSTALLATION RECOMMENDATIONS



ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT INFINITY manual DN 65/2"1/2 filter	PK0033932A
BWT INFINITY automatic DN 65/2"1/2 filter	PK0033936A
BWT AVANTI WF DN 65/3" filter	P0003539
SANIRESINE resin chlorination kit (up to 400 L)	P0029527
AQA CLEAN CT 2 (community softener maintenance kit from 150 to 300 L)	P0004896
AQA CLEAN CT 3 (community softener maintenance kit from 300 to 1000 L)	P0004897
Mixing valve DN 50 / 2"	P0001924
Low salt level sensor	C0261545
DN 50 transmitting meter with flanges (DN 65)	P0005320
Hydro alternation kit 2 meters (not included)	P0001921
Hydro alternation kit 1 meter (not included)	P0001922

Price list on request - See general sales terms and conditions

BWT EC

HOT WATER SOFTENER



PRODUCT PLUSES

- **Treatment of water** that has already been heated
- **Simplified timer programming**

OPERATION

BWT softener technology consists in eliminating scale by an ion exchange using high tech resins. Scale salts (calcium and magnesium) are trapped, softening the water. BWT EC appliances are twin-block automatic softeners. They use high tech to treat water that has already been heated as close as possible to the point of use. They withstand temperatures of up to 65°C.

The appliance regeneration is timer-based. It has simplified programming using a control box.

APPLICATIONS

BWT EC softeners are designed for hotels, and especially catering, for applications to:

- produce hot water for kitchens
- soften the domestic hot water supply to kitchens
- protect washing machines and steam ovens
- supply certain industrial processes that require a hot water supply

Softened water protects installations and equipment from premature deterioration or excess energy consumption caused by scale.

STANDARD EQUIPMENT

Softener delivered complete fitted with:

- a bronze and metal Teflon coated valve
- a DN 25/1" connection
- a glass fibre reinforced polyester body: no risks of corrosion
- a manually programmed valve
- a built-in bypass and re-hardening

→ **Flow rate:** 2.5 m³/h at TH 0°f

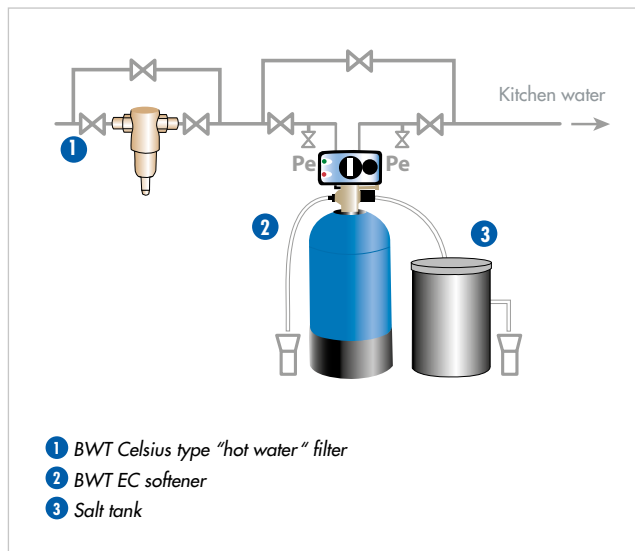
→ **Resin volume:** 17 to 65 L

TECHNICAL SPECIFICATIONS

TYPE		EC 17	EC 35	EC 50	EC 65
TECHNICAL SPECIFICATIONS					
Resin volume	L	17	35	50	65
Exchange capacity	°f.m ³	100	200	275	350
Coupling diameter	DN / inch	DN 25/1"	DN 25/1"	DN 25/1"	DN 25/1"
Flow rate at TH < 0.2°f	m ³ /h	2.5	2.5	2.5	2.5
Flow rate at TH = 10°f	m ³ /h	3.7	3.7	3.7	3.7
Min/max. dynamic pressure	bars	2.0/8.6	2.0/8.6	2.0/8.6	2.0/8.6
Maximum water temperature	°C	65	65	65	65
First salt charge	kg	100	150	150	250
Salt tank autonomy	number of regens.	30	20	15	20
Load on ground	kg	150	180	200	350
Product code		PK0001571	PK0001572	PK0001573	PK0001574
SIZE SPECIFICATIONS					
Softener body diameters	mm	254	254	257	335
Softener height	mm	678	1084	1568	1576
Salt tank diameter	mm	480	535	535	720
Salt tank height	mm	680	775	775	800

*for raw water TH of 30 °f

INSTALLATION RECOMMENDATIONS



ACCESSORIES AND CONSUMABLES

NAME	Product code
BWT CELCIUS DN 25 / 1" filter	P0010064
Set of stainless steel corrugated 1" F/F 110°C hoses	C0011802
AQA CLEAN CT 1 (community softener maintenance kit from 50 to 150 L)	P0004895
DN 25 / 1" mixing valve	P0001920

3

WHY RECOMMEND ANTI-SCALE APPLIANCES?

Anti-scale is a solution when softening is not possible, or when the user chooses not to use it.

The different available technology (treatment dosage, physical anti-scale) is proven and offers effective action for existing technical and economic configurations.



ANTI-SCALE

→ Protect installations

by limiting the appearance of scale: sanitary appliances are protected, heating elements remain effective, surfaces are easier to clean, built-in piping flows are balanced.

- BWT PHOS **60**
- BWT DIPHOS **61**
- *FOCUS ON AQA TOTAL* **62**
- BWT AQA NANO **63**
- BWT AQA TOTAL **64**
- DOSING AND FILM FORMING UNIT **66**

You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

BWT PHOS

ANTI-SCALE DOSER



PRODUCT PLUSES

- Dosage proportional to the flow, **with no excess dosage**
- Directional connection flange
- **Simple and quick to install**



→ **Flow rate:** 90 to 4,200 L/h

OPERATION

The BWT PHOS doser provides accurate dosing of dispersal products in the water. The added dispersal product prevents scale deposits from forming in piping and on equipment.

APPLICATIONS

BWT PHOS dosers are effective for medium hard water which is not heated in excess of 70°C.

They are specially adapted to treating community facility domestic hot water (for 3 to 20 dwellings), and general residential cold water supplies.

STANDARD EQUIPMENT

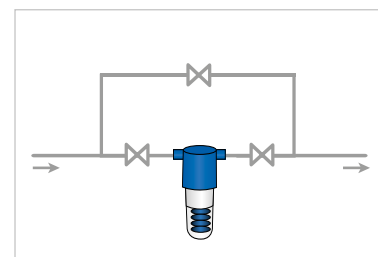
Doser delivered complete fitted with:

- anti-scale and corrosion prevention phosphosilicates
- a clear tank
- a directional coupling flange for installation on horizontal or vertical piping
- a double effect membrane and pin offset flow regulator
- a diffuser that prevents any overdoses

CARE

The product charge should be changed about every 100 m³ or more often if the product level visible through the bowl is low.

INSTALLATION RECOMMENDATIONS



NB: not suitable for exchanger or micro-exchanger domestic hot water production

TYPE		PHOS 1/2"	PHOS 3/4"	PHOS 1"	PHOS 1"1/4
TECHNICAL SPECIFICATIONS					
Coupling diameter	DN/inch	DN 15/1/2"	DN 20/3/4"	DN 25/1"	DN 32/1"1/4
Min/max rated flow	L/h	90/1500	90/1800	90/2400	90/4200
Head loss	bars	0.29	0.25	0.40	0.35
Max. dynamic pressure	bars	10	10	10	10
Min/max water temperature	°C	0/35	0/35	0/35	0/35
Product code		P0075300	P0075301	P0075302	P0075303
Retail price ex VAT ⁽¹⁾		118.00 €	312.00 €	356.00 €	418.00 €
SIZE SPECIFICATIONS					
L x H	mm	84 X 180	185 X 280	185 X 280	205 X 280
Bowl I/O Axis height	mm	150	230	230	230

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
QUANTOPHOS H Box of two 350 g bags	P0010543	51.00 €
QUANTOPHOS H – Blister containing two 80 g bags for PHOS 1/2 "	P0010545	21.40 €

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT DIPHOS

ANTI-SCALE AND CORROSION PROTECTION FILTER



→ Flow rate: 1.8 m³/h

TYPE DIPHOS

TECHNICAL SPECIFICATIONS

Coupling diameter	DN/inch	DN 20 / 3/4"
Min/max rated flow	L/h	1800
Head loss	bars	0.2
Max. dynamic pressure	bars	8
Min/max water temperature	°C	0 / 35
Product code		P0003880B
Retail price ex VAT ⁽¹⁾		156.00 €

SIZE SPECIFICATIONS

W x H x D	mm	404 x 450 x 105
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ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
2 impurity trapping sleeves + 1 silicophosphate cartridge	P0003702A	48.00 €
Silicophosphate cartridge	P0003709A	30.50 €
Impurity trapping cartridge	P0003351	15.80 €
Removal key + seal	P0003353	21.00 €

PRODUCT PLUSES

- Delivered complete with by-pass, fixture bracket and dismantling wrench
- Simple and quick to install
- Silicophosphate beads effective up to 90°

OPERATION

The filter traps water-borne impurities (particles in suspension, sludge, sand) and protects from scale and corrosion.

The BWT DIPHOS filter has 2 bowls and 2 cartridges (20 µm filtering and silicophosphates).

APPLICATIONS

For scale rich water and when it is not possible to install a softener, the BWT DIPHOS system is used to filter out impurities and to protect installations against scale deposits and corrosion by preventing the deposit of scale salts. Pipes, heating components (boilers, heat exchangers, etc.) and sanitary and household appliances are protected.

STANDARD EQUIPMENT

Complete filter delivered with:

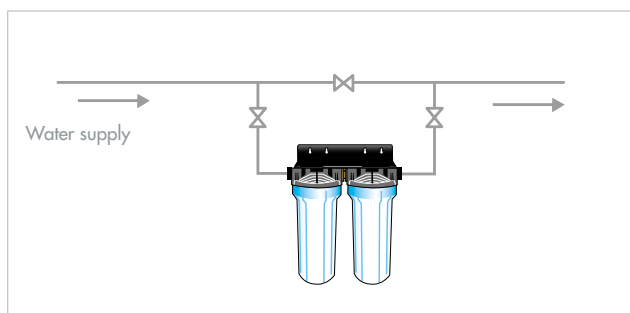
- a wall mounting bracket
- a wrench to remove the filter bowls
- the 1st set of cartridges: 1 20 µm impurity trapping filter + 1 silicophosphate bead anti-scale and corrosion protection cartridge
- a bypass (brass connectors – copper pipes – ¼ turn valves)

CARE

The silicophosphate cartridge should be changed if the product level visible in the bowl is low.

The filtering cartridge is to be changed every 6 months or more frequently depending on your water quality.

INSTALLATION RECOMMENDATIONS



FOCUS ON

THE ANTI-SCALE SOLUTION TO PROTECT EQUIPMENT AND INSTALLATIONS



WHY USE ANTI-SCALE TREATMENTS?

Hard water causes scale deposits and corrosion in housing and buildings.

The visible consequences are:

- Deterioration of equipment in contact with the water (valves, tanks, exchangers, radiators, etc.)
- Scale deposits in piping that reduce the cross section and increase corrosion

The invisible consequences are:

- Reduced boiler performances and therefore increased energy bills
- Increased, costly regular maintenance

THE SCALE PROTECTION SOLUTION

The high tech BWT AQA TOTAL and BWT AQA NANO physical anti-scale appliances are the simple and reliable solution to:

- **protect your installations** by limiting the deposit of scale crystals in your piping and heat exchangers
- **maintain your equipment's** energy performances
- **reduce energy and** maintenance bills

EXCLUSIVE BWT ANTI-SCALE TECHNOLOGY

- **High tech anti-scale action** that adapts to the volumes being drawn
- **Ecological physical anti-scale** with no water or salt consumption
- **Does not alter the water's** composition
- **Easy to install** and reduced maintenance
- **Automatic operation** with no releases
- **Produced by BWT** with a sanitary compliance certificate

BWT ANTI-SCALE APPLIANCES



BWT AQA NANO
Anti-scale for the home
P. 63



BWT AQA TOTAL
Anti-scale for community facilities
P. 64

BWT AQA NANO

PHYSICAL ANTI-SCALE



→ Flow rate: 1.5 m³/h

TYPE AQA NANO

TECHNICAL SPECIFICATIONS		
Coupling diameter	DN/inch	DN 25/1"
Rated flow at P= 0.8 bar	L/h	1500
Treatment capacity	m ³	110 [+/- 10]
Max. static pressure	bars	16
Min/max water temperature	°C	0 / 40
Product code		P0005900
Retail price ex VAT ⁽¹⁾		830.00 €

SIZE SPECIFICATIONS		
W x H x D	mm	300 x 710 x 234
Weight in service	kg	11

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
AQA NANO cartridge	P0015730	61.00 €
E1 protection system	P0010090	320.00 €
CRISTAL 4 filter	P0003350	37.80 €

PRODUCT PLUSES

- **Fully automatic** appliance
- **Permanent action** that adapts to drawn volumes
- **Controlled autonomy** and module change indicator

OPERATION

The BWT AQA NANO anti-scale uses high tech physical action against scale. Using electric pulses, its technology creates scale nano-crystals which can neither agglomerate nor deposit on materials in contact with the water.

Fully automatic, the BWT AQA NANO consumes neither water, nor salt, and does not alter the composition of the water.

APPLICATIONS

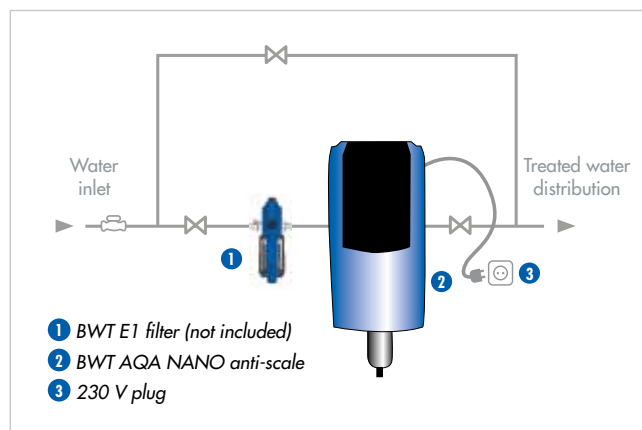
The BWT AQA NANO is used to limit scale in water services, thereby maintaining the flow rate of water through the pipes, to maintain the output of domestic hot water production systems and increase installation service life, as well as that of taps.

STANDARD EQUIPMENT

The BWT AQA NANO anti-scale is delivered complete with:

- casing to protect from dust and spray
- titanium electrodes to generate the treatment pulses
- single stand alone 110 m³ cartridge
- fully automated operation (electronic)
- an intuitive LED display showing the operating status

INSTALLATION RECOMMENDATIONS



⁽¹⁾Prices valid in Metropolitan France unless changed. See general sales terms and conditions

BWT AQA TOTAL

PHYSICAL ANTI-SCALE



PRODUCT PLUSES

- **Continuous action** that adapts to drawn volumes
- **Automatic stand-by**
- **Controlled autonomy** and module change indicator
- **CEBTP and DVGW approved**

OPERATION AND APPLICATIONS

The BWT AQA TOTAL anti-scale has a physical effect on scale. Using electric pulses, its technology creates scale nano-crystals which can neither agglomerate nor deposit on materials in contact with the water.

Fully automatic, it consumes neither water, nor salt, and does not alter the composition of the water.

APPLICATIONS

The BWT AQA TOTAL anti-scale is used to limit scale in water services, thereby maintaining the flow rate of water through the pipes, maintaining the output of domestic hot water production systems and increasing installation service life, as well as that of taps.

STANDARD EQUIPMENT

The BWT AQA TOTAL anti-scale is delivered complete with:

- casing to protect from dust and spray
- one or more stand-alone cartridges from 380 to 575 m³
- fully automated operation (electronic)
- an intuitive LED display showing the operating status



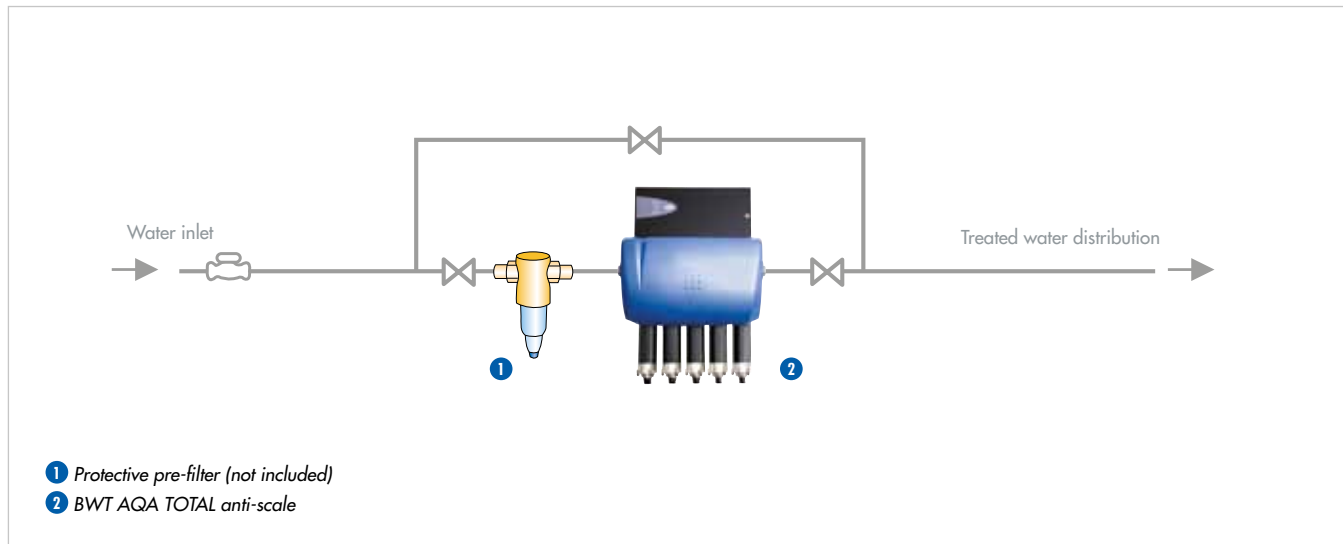
→ **Flow rate:** 1.5 to 14 m³/h

TECHNICAL SPECIFICATIONS

TYPE		2,500	4500	5600	8400	11200	14000
TECHNICAL SPECIFICATIONS							
Rated flow rate with 0.8 bar head loss	m ³ /h	2.5	4.5	5.6	8.4	11.2	14.0
Treatment capacity	m ³	380 (+/- 20 %)	760	1,150	1725	2300	2875
Coupling diameter	DN/inch	DN 32/ 1"1/4	DN 40/ 1"1/2	DN 40/ 1"1/2	DN 40/ 1"1/2	DN 50/ 2"	DN 50/ 2"
Max service pressure	bars	10	10	10	10	10	10
Maximum water temperature	°C	35	35	35	35	35	35
Weight in service	kg	24	33	57	64	94	101
Number of modules		1	1	2	3	4	5
Product code		P0005902	P0005904	P0005905	P0005908	P0005911	P0005914
SIZE SPECIFICATIONS							
Width	mm	310	320	560	560	825	825
Height	mm	1130	1105	1280	1280	1280	1280
Depth	mm	280	320	470	470	470	470

Price list on request - See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



WARNING

Conditions for use:

- pH < 8
- TH < 40 °f
- TAC < 25 °f
- temperature < 80 °C

ACCESSORIES AND CONSUMABLES

NAME	Product code
Module for AQA TOTAL 1500/2500/4500	P0015731
Module for AQA TOTAL 5600 to 14000	P0015733
BWT AVANTI WF DN 40 / 1" 1/2 filter	P0003199A
BWT AVANTI WF DN 50 / 2" filter	P0003200A
BWT INFINITY MANUAL DN 40 / 1" 1/2 filter	P0010073
BWT INFINITY MANUAL DN 50 / 2" filter	P0010074



BWT AVANTI WF filter



BWT INFINITY filter

DOSING AND FILM CREATING UNIT

CORROSION PROTECTION TREATMENT



→ **Flow rate: 7 L/h**

→ **Film generation treatment**

PRODUCT PLUSES

- Dosing unit **delivered complete and ready to commission**
- **Accurate and reliable** electronic pump
- Film creation treatment with a technical approval issued by **the CSTBat**

OPERATION AND APPLICATIONS

The dosing unit is the easy and reliable way to treat your domestic hot water. It is delivered complete and ready to start up, with its first film generating charge.

The containment tank, which is mandatory for all chemical storage, is sized for your dosing unit.

The electronic dosing pump provides accurate doses from the very smallest flows. Available in a PM60 model for high flows and high counter-pressures (60 L/h) .

Graduated dosing tank, digital display dosing pump and user friendly programming: simplified monitoring and operation.

APPLICATIONS

The dosing unit is designed to simplify community domestic hot water service treatment.

The choice depends on the hardness of the site water supply.

STANDARD EQUIPMENT

The dosing unit is delivered complete and ready to commission:

- 140 L treatment tank
- the dosing pump
- injection accessories (suction screen, tubing and discharge piping, injection tube, etc.)
- the cable to couple to the transmitter meter
- the containment tank
- the first 40 kg charge of film generating treatment for domestic hot water services

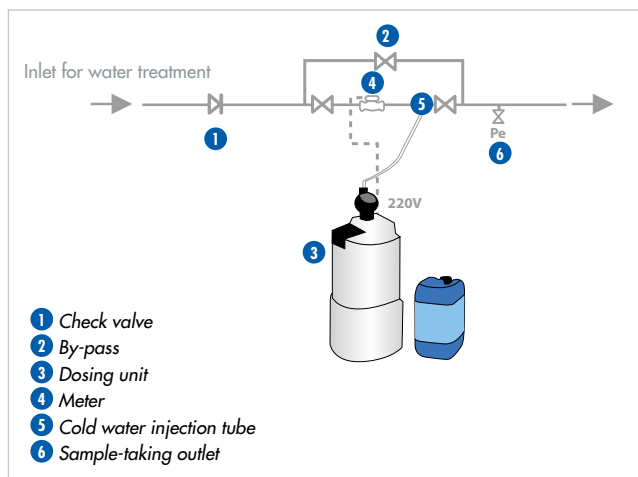
Only the meter remains to be selected if the site is not equipped with one.

TECHNICAL SPECIFICATIONS

TYPE		DOSING UNIT MEDO XG6 + 140 L tank + 1 BIB of BWT FILM 105 + containment tank	DOSING UNIT MEDO XG6 + 140 L tank + 1 BIB of BWT AQUASIL + containment tank
TECHNICAL SPECIFICATIONS			
Raw water hardness	°f	TH ≤ 20	10 ≤ TH ≤ 45
Dosing flow	L/h	0.7 to 7.1	0.7 to 7.1
Discharge counter-pressure	bars	7	7
Injection cadence	shots/minute	180	180
Volume per shot	mL	0.66	0.66
4-20 mA Input		yes	yes
BMS information		yes	yes
ATEC film creation treatment	(Included)	20 kg of BWT FILM 105	20 kg of BWT AQUASIL
Product code		PK0027131F	PK0027131A

Price list on request - See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



SUPPLEMENTS TO THE LINE: COLD WATER METERS

With a dry contact output to carry over pulses for proportional film generator dosage.

TYPE	Transmitter meter	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80
TECHNICAL SPECIFICATIONS								
Coupling diameter	inches	3/4" threaded	1" threaded	1 1/4" threaded	1 1/2" threaded	2" threaded	2 1/2" flanges	3" flanges
Rated flow	m³/h	2.5	3.5	6.0	10.0	15.0	25.0	40.0
K (L for 1 pulse)		1	1	1	1	1	50	50
Starting threshold	L/h	50	78	125	200	312	450	1200
Size (LxHxD)	mm	190x130x90	260x140x100	260x140x100	300x160x110	270x190x73	270x190x70	300x190x70
Weight	kg	2	2	2	5	13	19	27
Product code		P0005342DH	P0005325DH	P0005329DH	P0005355DH	P0005358DH	P0005320	P0005347

ACCESSORIES AND CONSUMABLES

NAME	Product code
Containment tank for jerricans	P0028011
60 L / 140 L containment tank	R0028011
2 drum containment pallet 1300 x 700 x 445 mm - W: 22 kg - 800 kg load	P0973265
IBC XL 1050 L containment	P0973267
Hot water injection pipe	P0028032

4

WHY RECOMMEND DISINFECTION EQUIPMENT AND TECHNIQUES?

Disinfection reduces the presence of organic germs. It uses physical processes such as high temperature, UV radiation, or ultrasounds, ultra-filtration processes or chemical processes (chlorine and its derivatives). Disinfection is essential when unwelcome micro-organisms are present or appear in the water (germs, bacteria, legionella, etc.). To maintain or improve water quality, the BWT disinfection line of equipment guarantees safety.



DISINFECTION

→ Guaranteed safety

BWT disinfection equipment and techniques make it possible to maintain or improve water quality.

- BWT BIOSTIL UV **70**
- BWT BIOSTIL UV N / EU / HI **72**
- BWT PROBOX **74**
- BWT ECOREDOX **75**
- BWT ECOBOX ECS **76**
- BWT AQA BLUE **77**
- BWT DOSING UNIT **78**

You will find the applications in 2 symbols for each product.



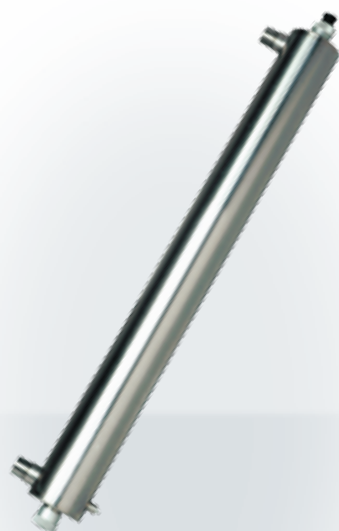
ideal for individual housing



Ideal for community facilities

BWT BIOSTIL UV

COLD WATER UV TREATMENT



→ **3 models**

→ **Flow rates:** 1,000 to 4,200 L/h

PRODUCT PLUSES

- **Easy to install and solid**
- **Effective water disinfection:** destroys germs, bacteria, viruses, fungi and spores without adding any chemicals or altering the water's taste
- **Easy maintenance**

OPERATION

BWT BIOSTIL UV is water disinfection equipment that uses UV radiation. The process is simple, chemical-free and cheap to maintain. It is highly effective on previously clarified water and does not alter the taste or the chemical composition of the treated water. The water that flows through the BWT BIOSTIL UV is subjected to ultra-violet radiation from the lamp (UVC, wavelength 245 nanometres) which destroys the micro-organisms in the water in just a few seconds.

APPLICATIONS

BWT BIOSTIL UV is recommended for applications:

- to treat borehole water or rainwater for domestic or small community applications
- to supply air conditioning and humidifier circuits

The equipment is compliant with applicable legislation.

STANDARD EQUIPMENT

BWT BIOSTIL UV is composed:

- of a 304 grade stainless steel radiation chamber
- of a low pressure UVC system with a lamp power that varies depending on the model and has a service life of about 9,000 hours (1 year)
- of a control box including ballast, a starter, an alarm, a LED indicator and a time meter
- of an audio alarm system to indicate when to change the UV lamp, or when there is a malfunction.

TECHNICAL SPECIFICATIONS

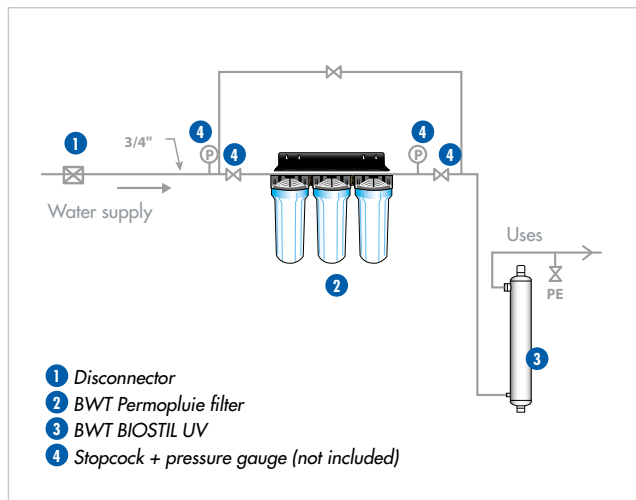
TYPE		BWT BIOSTIL UV 1000	BWT BIOSTIL UV 1800	BWT BIOSTIL UV 2,700
TECHNICAL SPECIFICATIONS				
Max flow rate at a UV dosage of 25 mJ/cm ² *	L/h	1,700	2,900	4,200
Max flow rate at a UV dosage of 40 mJ/cm ² *	L/h	1,000	1,800	2,700
Input/output connection	inches	3/4"	3/4"	3/4"
Maximum pressure	bars	8.6	8.6	8.6
Output power	W	30	46	48
Lamp power	W	25	37	39
Min/max water temperature	°C	2 to 40	2 to 40	2 to 40
Product code		P0012241	P0012243	P0012247
Retail price ex VAT ⁽¹⁾		690.00 €	865.00 €	1030.00 €
SIZE SPECIFICATIONS				
Length	mm	565	905	600
Depth	mm	65	65	90
Ballast length	mm	185	185	175
Ballast width	mm	80	80	80
Clearance**	mm	600	950	650

* The French Health Ministry circular imposes a minimum UV dose of 25 mJ/cm². The corresponding flow rate should be considered when choosing your BIOSTIL model. The value of 40 mJ/cm² (at 95% transmission) is a reference for manufacturers. The corresponding flow rates give the names to the models in our line.

** For lamp changes

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



CARE

To guarantee effectiveness, the quartz must be kept clean and the UV lamp must be changed at least every year.

An indicator with an alarm notifies of when the UV lamp should be changed.

OPERATING LIMITS

For top effectiveness, the water to be treated must meet the following criteria:

- water transmission: 75% or over
- iron: < 0.3 mg/L
- hardness: < 12 °f
- turbidity: < 1 NTU unit
- manganese: < 0.06 mg/L
- tannins: < 0.01 mg/L

For hard water (TH > 12 °f), plan to pre-treat the water using filtering and softening to remove scale deposits or impurities.

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Rainwater filter	P0003900	136.00 €
Rainwater filter replacement kit	P0003902	31.60 €
UV lamp for BIOSTIL 1000	P0004211	65.00 €
UV lamp for BIOSTIL 1,800	P0015622	83.60 €
UV lamp for BIOSTIL 2700	P0004219	94.00 €

BWT BIOSTIL UV N / EU / HI

HOT OR COLD WATER UV TREATMENT



→ **Flow rate:** 15 to 182 m³/h

PRODUCT PLUSES

- **Easy to install and solid**
- **Effective water disinfection:** destroys germs, bacteria, viruses, fungi and spores without adding any chemicals or altering the water's taste
- **Easy maintenance**

OPERATION

BWT BIOSTIL UV is water disinfection equipment that uses UV radiation. The process is effective and simple, chemical-free and cheap to maintain. It is highly effective on perfectly clear water and does not alter the taste or the chemical composition of the treated water.

The water that flows through the BWT BIOSTIL UV is subjected to powerful ultra-violet radiation from the lamp (UV-C, wavelength 245 nanometres) which destroys the DNA of micro-organisms in the water in just a few seconds.

APPLICATIONS

BWT BIOSTIL UV is recommended for applications:

- to treat borehole water or rainwater for community applications
- to produce potable water
- to supply air conditioning and humidifier circuits
- to supply general cold water and domestic hot water circuits
- for process water in the agri-food industry, cosmetics industry, etc.

STANDARD EQUIPMENT

BWT BIOSTIL UV is composed:

- of a stainless steel radiation chamber
- of a low pressure UV-C system with a 37 W or 39 W lamp depending on the model with a service life of about 9,000 hours (1 year)
- of a control box including a ballast, a starter, an alarm, a LED indicator and a time meter
- of an audio alarm system to indicate when to change the UV lamp, or when there is a malfunction

BWT BIOSTIL BWT UV generators come in 2 lines:

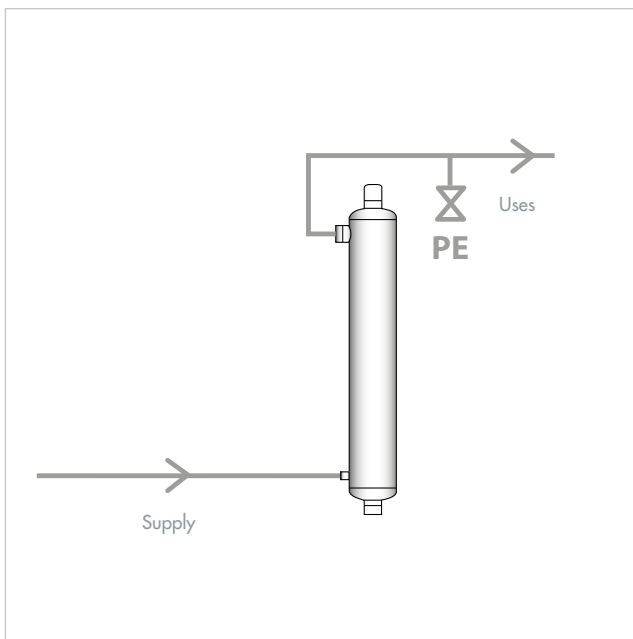
- one line for potable water production with a biosimetry test and a sanitary compliance certificate: BIOSTIL UV N
- one line for potable water networks with a sanitary compliance certificate:
 - cold water: EU model
 - hot water: HI model

TECHNICAL SPECIFICATIONS

TYPE		UV17N	UV27N	UV40N	EU11 DN 32	EU11 DN 50	EU22	EU35	HI17	HI22
TECHNICAL SPECIFICATIONS										
Max flow rate	m ³ /h	15.7	47.2	182.0	4.3	6.8	22.0	46.0	38.0	68.0
Input/output connection	DN	50	80	150	32	50	80	100	80	100
Max. pressure	bars	10	10	10	10	10	10	10	10	10
Number of lamps		1	3	3	1	1	3	4	2	3
Lamp power	W	200	130	270	80	100	80	80	200	200
Min/max water temperature	°C	5 to 65	5 to 65	5 to 65	5 to 30	5 to 30	5 to 30	5 to 65	5 to 65	5 to 65
UV for potability Biodosimetry test		yes	yes	yes	no	no	no	no	no	no
UV with sanitary compliance certificate		yes	yes	yes	yes	yes	yes	yes	yes	yes
Product code		P0002225	P0002226	P0002227	P0002205	P0002208	P0002206	P0002207	P0002209	P0002210
SIZE SPECIFICATIONS										
Width	mm	186	376	510	128	128	420	556	308	359
Height	mm	1,275	1,187	1,370	1,013	1,310	1,165	1,191	1,350	1,380

Price list on request - See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



BWT PROBOX

ANALYSER REGULATOR



→ **Measurement range: 0 to 10 ppm**

OPERATION

BWT PROBOX is a twin-channel analyser and regulator, that is simple and accurate. It uses selective amperometric probes to analyse different physical-chemical parameters: temperature, pH, Redox potential, chlorine, chlorine dioxide, etc.

The supplied outputs make it possible to retrieve the measurement data or to control a dosing pump for example.

Software is also available (SYSCOM) to retrieve the data and provide traceability.

APPLICATIONS

BWT PROBOX is suitable for establishments open to the public, healthcare and leisure establishments or hotels, but also for all commercial accommodation.

STANDARD EQUIPMENT

BWT PROBOX is delivered equipped with:

- 1 wall box containing the electronics
- 1 back-lit LCD display
- 2 programmable relays (250 V / 5A max)
- 3 4-20 mA signal inputs of which 2 can be configured
- 2 0/4-20 mA signal outputs that are configurable for BMS or regulation
- 2 RS 232C type outputs
- 1 RS 422 or 485 type outputs
- 1 USB port

TYPE	Free chlorine 0-2 ppm	Free chlorine 0-10 ppm	Active chlorine 0-2 ppm	Active chlorine 0-10 ppm	Total chlorine 0-10 ppm
TECHNICAL SPECIFICATIONS					
Parameters	Free chlorine	Free chlorine	Active chlorine	Active chlorine	Total chlorine
Product code	PK0029050A	PK0029050B	PK0029050C	PK0029050D	PK0029050F

ACCESSORIES AND CONSUMABLES

NAME	Product code
PROBOX system	P0029050
Measurement chamber 1 oxidant sensor	P0029114
Measurement chamber 1 pH	P0029112
Measurement chamber 1 pH + 1 oxidant	P0029111
PVC temperature sensor	P0060057
Stainless steel 45°C temperature sensor	P0060068
Stainless steel 80°C temperature sensor	P0060069
Standard 0.5 bar pH sensor	P0060055
Standard 6 bars pH sensor	P0060056

NAME	Product code
Free chlorine sensor 0-2 ppm	P0060060
Free chlorine sensor 0-10 ppm	P0060059
Active chlorine sensor 0-2 ppm	P0060062
Active chlorine sensor 0-10 ppm	C0959553
Total chlorine sensor 0-2 ppm	P0060064
Total chlorine sensor 0-10 ppm	P0060066
Chlorine dioxide sensor 0-2 ppm	P0960515
Chlorine dioxide sensor 0-10 ppm	P0060067

Price list on request - See general sales terms and conditions

BWT ECOREDOR

REDOX ANALYSER REGULATOR



OPERATION

BWT ECOREDOR is a Redox measurement chain. This wall mounted analyser is used to control chlorine injections at the start of the domestic hot water loop and to analyse the value on the return from the loop.

In order to save water, the sensor is located on a loop parallel to the piping using a set of 3 valves (not included).

APPLICATIONS

BWT ECOREDOR is a simple solution to fight against micro-organisms including legionella.

It is therefore suitable for establishments open to the public, healthcare and leisure establishments or hotels, but also for all commercial accommodation.

STANDARD EQUIPMENT

BWT ECOREDOR is delivered complete with:

- a wall box (IP66 polycarbonate box containing the electronics)
- a 120 mm Redox electrode
- a high pressure and temperature stainless steel electrode holder
- an alarm output: 1 dry contact
- 5 m of cable for direct connection to the regulator

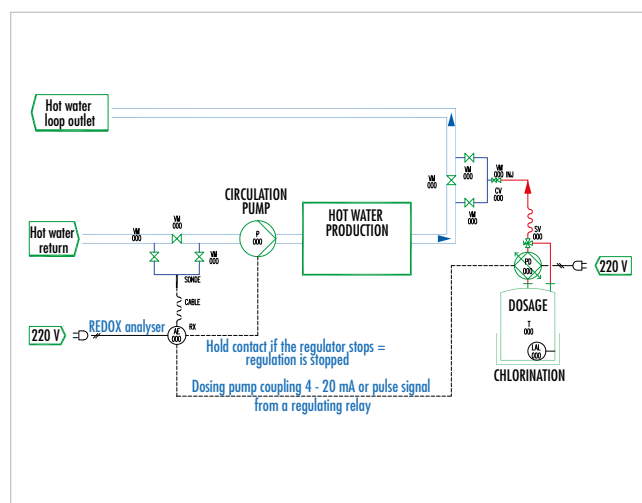
→ **Measurement range:** -2000 to +2000 mV

TYPE		ECOREDOR
TECHNICAL SPECIFICATIONS		
Connection diameter stainless steel sheath	DN/inch	1/2" G
Measurement type		Redox
Max. pressure	bars	10
Max water temperature	°C	130
Product code		P0074925A
SIZE SPECIFICATIONS		
W x H x D	mm	181 x 185 x 172

ACCESSORIES AND CONSUMABLES

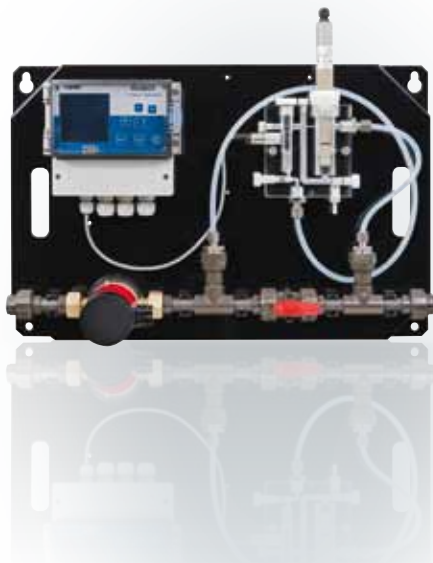
NAME	Product code
MultiREDOX sensor	P0079263
Cable for Redox sensor	P0079358
MultiREDOX sensor holder	P0079266

INSTALLATION RECOMMENDATIONS



BWT ECOBOX ECS

CHLORINE ANALYSER AND REGULATOR



PRODUCT PLUSES

- **Ready-to-mount** wall panel
- **Withstands** 70°C
- **Wide measurement range:** from 0 to 10 mg/L

OPERATION

BWT ECOBOX ECS is used to accurately control chlorine injections at the start of the domestic hot water loop and to analyse the value on the return from the loop. Set point values are entered to programme regular timed injections.

The ECOBOX ECS innovation lies in the presence of an analysis chamber and a sensor, that withstand temperatures of up to 70°C. The amperometric sensor provides a chlorine measurement range of between 0 and 10 ppm.

This innovation makes it possible to avoid sending water to the drains.

APPLICATIONS

BWT ECOBOX ECS is a simple and effective solution to fight against micro-organisms including legionella.

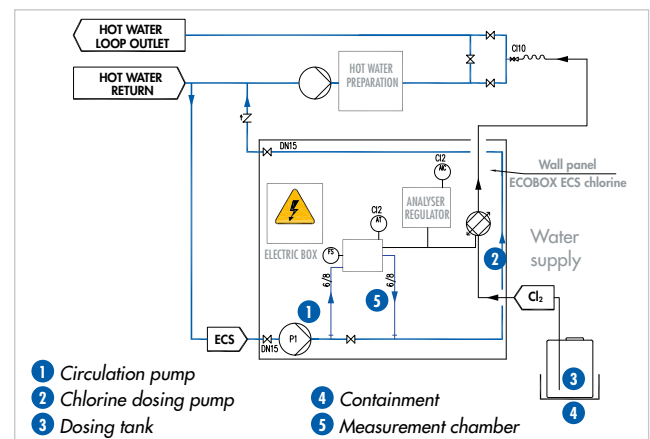
It is therefore suitable for healthcare and leisure establishments or hotels, but also for all commercial accommodation.

STANDARD EQUIPMENT

Pre-assembled, wall mounted tool set ready-to-install on site, composed of:

- An analysis chamber with a chlorine measurement electrode
- A specific analyser/regulator
- A control box for the entire installation
- a water circulation sub-loop combined with a circulator providing a constant flow to the analysis chamber
- optionally: traceability software

INSTALLATION RECOMMENDATIONS



→ **Measurement range:** 0 to 10 ppm

TYPE		ECOBOX ECS
TECHNICAL SPECIFICATIONS		
I/O connection	DN	20
Min/max. pressure	bars	1 to 6
Measurement range	ppm	0 to 10
Lamp power	W	200
Min/max water temperature	°C	1 to 70
Product code		PK0012270
SIZE SPECIFICATIONS		
L x H	mm	610 X 370

ACCESSORIES AND CONSUMABLES

NAME	Product code
Containment tank for jerricans	P0028011
60 L / 140 L containment tank	R0028011
SYSCOM Software	P0012311
Hot water injection pipe	P0028032

Price list on request - See general sales terms and conditions

BWT AQA BLUE

CHLORINE GENERATOR



PRODUCT PLUSES

- Runs **without electricity** and without hazardous products
- **Compact easy-to-install** model

OPERATION

The BWT AQA BLUE chlorine generator provides the right chlorine dosage to protect both water taste and hygiene.

It is compact and runs without electricity, consuming only salt (electrolysis process).

APPLICATIONS

Thanks to the effectiveness of chlorine, BWT AQA BLUE protects the household's water from bacterial growth.

Installed on the water inlet, by simple connection to the services, with no electric connection or drainage.

STANDARD EQUIPMENT

Equipment delivered complete and ready-to-install with:

- a tool to open/close the salt tank
- a wall mounting bracket
- a first charge of salt

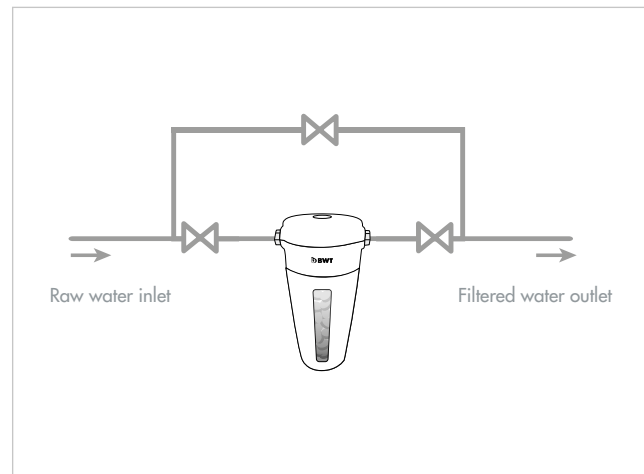
→ **Flow rate:** 900 L/h

TYPE		AQA BLUE
TECHNICAL SPECIFICATIONS		
Coupling diameter	inches	3/4" F
Active chlorine dosage	mg/L	0.15 to 0.40
Operating flow rate	L/h	180 to 900
Max service pressure	bars	8
Salt storage capacity	g	850
Treatment capacity (autonomy)	m ³	30
Product code		P0029570
Retail price ex VAT ⁽¹⁾		795.00 €
SIZE SPECIFICATIONS		
L x D x H	mm	175 x 160 x 370

ACCESSORIES AND CONSUMABLES

NAME	Product code	Retail price ex VAT ⁽¹⁾
Salt tablets - 850 gr	P0003127	9.80 €

INSTALLATION RECOMMENDATIONS



⁽¹⁾Prices valid in Metropolitan France unless changed. See general sales terms and conditions

DOSING UNIT

PRODUCT INJECTION



PRODUCT PLUSES

- *Dosing unit delivered complete and **ready to connect***
- ***Accurate and reliable** electronic pump*

OPERATION

The dosing unit is the easy and reliable way to treat your circuits. It is delivered complete and ready to commission.

The containment tank, which is mandatory for all chemical storage, is sized for your dosing unit.

The electronic dosing pump provides accurate doses from the very smallest flows. Available in a PM60 model for high flow and high counter-pressure circuits.

Graduated dosing tank, digital display dosing pump and user friendly programming: simplified monitoring and operation.

APPLICATIONS

The dosing unit is designed to simplify community water service treatment.

It is delivered complete and ready to connect. The choice is made depending on the dosing pump sizing.

STANDARD EQUIPMENT

The dosing unit is delivered complete and ready to connect, including:

- the 140 L treatment tank
- the dosing pump
- injection accessories (suction screen, tubing and discharge piping, injection tube, etc.)
- the cable to couple to the transmitter meter
- the containment tank

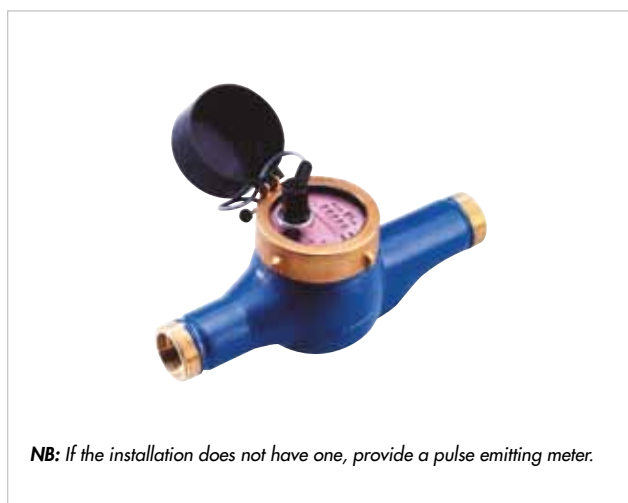
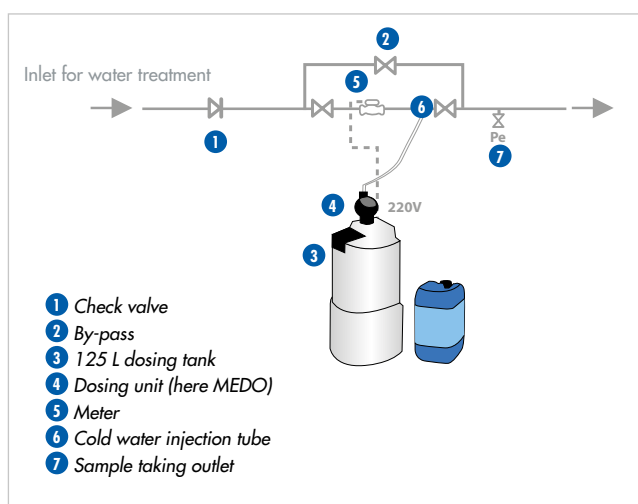
→ **Flow rate: 7 to 60 L/h**

TECHNICAL SPECIFICATIONS

TYPE		DOSING UNIT MEDO XG6 + 140 L tank + containment tank	DOSING UNIT METRIC 60 + 200 L tank + containment tank	DOSING UNIT MEDO XGA + 140 L tank
TECHNICAL SPECIFICATIONS				
Dosing flow	L/h	0.7 to 7.1	0.075 to 60	0.7 to 7.5
Discharge counter-pressure	bars	7	10	16
Injection cadence	Shots/minute	180	120	190
Volume per shot		0.66	3.80	0.74
4-20 mA Input		yes	yes	yes
BMS information		yes	yes	yes
Product code		PK0027131	PK0002804	PK0027108C

Price list on request - See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



SUPPLEMENTS TO THE LINE: COLD WATER METERS

With a dry contact output to carry over pulses for proportional film generator dosage.

TYPE	Transmitter meter	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80
TECHNICAL SPECIFICATIONS								
Coupling diameter	inches	3/4" threaded	1" threaded	1"1/4 threaded	1"1/2 threaded	2" threaded	2"1/2 flanges	3" flanges
Rated flow	m ³ /h	2.5	3.5	6.0	10.0	15.0	25.0	40.0
K (L for 1 pulse)		1	1	1	1	1	50	50
Starting threshold	L/h	50	70	125	200	300	450	1200
Size (LxHxD)	mm	190x130x90	260x140x100	260x140x100	300x160x110	270x190x73	270x190x70	300x190x70
Weight	kg	2	2	2	5	13	19	27
Product code		P0005342DH	P0005325DH	P0005329DH	P0005355DH	P0005358DH	P0005320	P0005347

ACCESSORIES AND CONSUMABLES

NAME	Product code
Containment tank for jerricans	P0028011
60 L / 140 L containment tank	R0028011
2 drum containment pallet 1300 x 700 x 445 mm - W: 22 kg - 800 kg load	P0970664
IBC XL 1050 L containment	P0973267
Hot water injection pipe	P0028032

5

WHY RECOMMEND THE USE OF REVERSE OSMOSIS WATER?

Certain applications require demineralised water. One solution to obtain it uses reverse osmosis technology. By forcing the water through an extremely fine membrane, reverse osmosis can trap all the undesirable elements in the water and thus deliver pure water.



REVERSE OSMOSIS

→ **Reverse osmosis technology** is used to convert potable water into pure water that meets the most technical requirements and guarantees bacterial protection. BWT proposes high tech solutions.

- BWT PERMAQ COMPACT 60/61/62 **82**
- BWT PERMAQ ECO **84**
- BWT PERMAQ PICO **86**

You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

BWT PERMAQ COMPACT 60/61/62

COMPACT REVERSE OSMOSIS UNIT



PRODUCT PLUSES

- **Plug & play solution:** quick start
- **RobotFlow automatic technology:** minimum water consumption
- **High quality BWT membrane:** unrivalled performances (salt containment rate > 99%)

OPERATION

BWT PERMAQ COMPACT reverse osmosis units convert potable water into pure water meeting the most technical requirements. The reverse osmosis unit has a high pressure pump that forces the water through a membrane; the undesirable elements in the water are eliminated and the resulting permeated water can be used for various applications.

The permeate yield is higher than 80% (for softened water).

BWT PERMAQ COMPACT 60/61/62 reverse osmosis units are compact reverse osmosis water production units. They are available in 3 models from 180 L/h to 400 L/h.

APPLICATIONS

BWT PERMAQ COMPACT reverse osmosis units are designed for applications that require de-mineralised water quality: air conditioning, industrial processes, washing, steaming, autoclaves, printing, laboratories, etc.

THE EQUIPMENT

PERMAQ COMPACT units are delivered complete with:

- integral casing to protect the reverse osmosis unit components from impacts and dust
- all the internal and control connections
- a built-in operations display
- a built-in conductivity sensor: intake water/permeate
- a built-in permeate and concentrate flow meter
- a built-in manual by-pass
- RobotFlow technology: Built-in automatic output adjustment

- **Flow rate:** 180 to 400 L/h
- **Flow rate:** built-in storage model

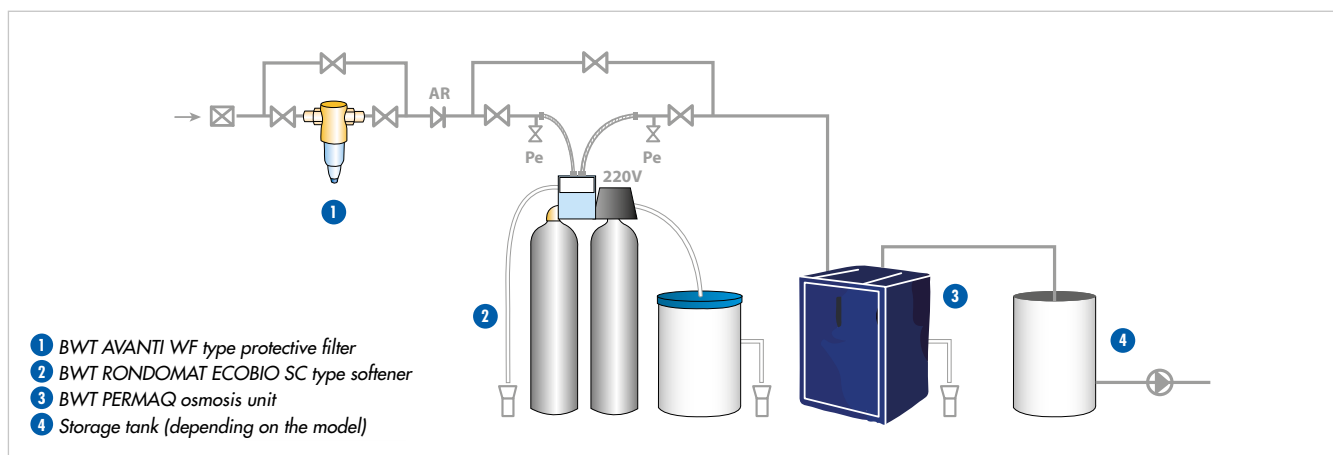
TECHNICAL SPECIFICATIONS

TYPE		60 HQ	61 HQ	62 HQ
TECHNICAL SPECIFICATIONS				
Permeate flow rate at 15°C	L/h	180	275	400
Salt retention rate*	%	sup 99	Sup 99	Sup 99
Permeate conductivity	microS/cm	Inf 20	Inf 20	Inf 20
Permeate yield**	%	40 to 80	40 to 80	40 to 80
Permeate tank volume	L	37	37	34
Raw water inlet connection	inches	3/4"	3/4"	3/4"
Concentrate outlet connection	mm	12	12	12
Permeate outlet connection	inches	3/4"	3/4"	3/4"
Min/max service pressure	bars	3 to 6	3 to 6	3 to 6
Max water temperature	°C	25	25	25
Product code		P0004925	P0004926	P0004927
SIZE SPECIFICATIONS				
Width	mm	350	350	350
Depth	mm	560	560	560
Height	mm	736	736	736

* Depends on the raw water quality.

** Automatic adjustment

INSTALLATION RECOMMENDATIONS

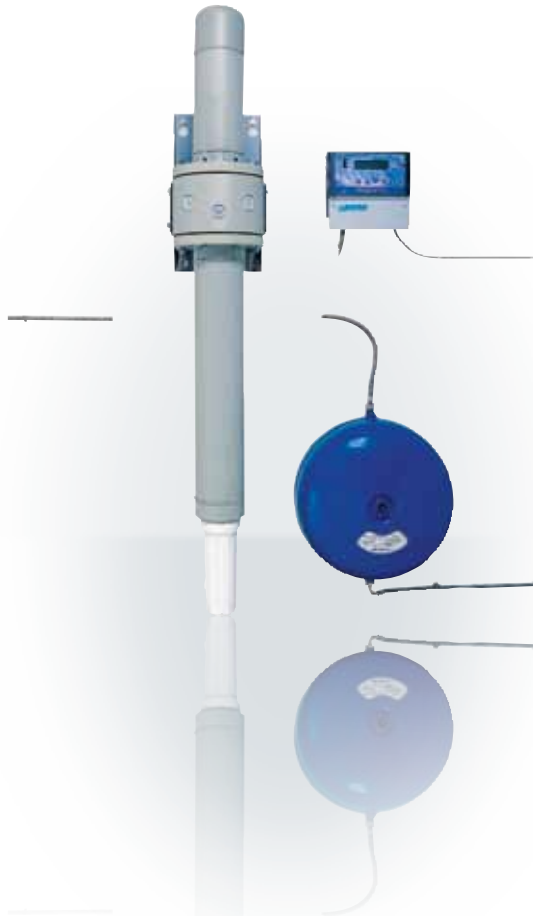


ACCESSORIES AND CONSUMABLES

NAME	Product code
Complete system to combine a tank and reverse osmosis unit Solenoid/ cabinet for level management	P0045557
35 L Steel flask with bladder	P0956270
50 L Steel flask with bladder	P0956271
80 L Steel flask with bladder	P0956272
140 L Steel flask with bladder	P0956273
300 L Steel flask with bladder	P0956274
LP 10 Filter + purge	P0048320
LP 20 Filter + purge	P0048321
BWT-PROPYL 10 microns 10" cartridge - Box of 6	PK0098182N
BWT-PROPYL 10 microns 20" cartridge - Box of 6	PK0098222N
BWT-PROPYL 1 micron 10" cartridge - Box of 6	PK0098180N
BWT-PROPYL 1 micron 20" cartridge - Box of 6	PK0098220N
BWT-CARBON 10" cartridge - Box of 6	PK0093146
BWT-CARBON 20" cartridge - Box of 6	PK0093147

BWT PERMAQ ECO

COMPACT REVERSE OSMOSIS UNIT



→ **Flow rate:** 90 to 130 L/h

PRODUCT PLUSES

- **Quick and easy** to install
- **Wide range** of reverse osmosis water production
- **Reduced** floorspace occupation
- Rinsing in intervals to **optimise hygiene**
- Permeate yield **in excess of 80 % (in softened water)**
- **Off and on-line** operation

OPERATION

BWT PERMAQ ECO reverse osmosis units are compact reverse osmosis water production units.

They convert potable water into pure water meeting the most technical requirements.

The BWT PERMAQ ECO reverse osmosis unit is ready for use on site with or without a tank, in the on-line or off-line version.

APPLICATIONS

Many applications require distilled water quality in varying sectors of activity: air conditioning, industrial process, washing, steaming, autoclave, printing, laboratory, etc.

THE EQUIPMENT

BWT PERMAQ ECO reverse osmosis units are available in 2 different models.

BWT PERMAQ ECO reverse osmosis units are delivered complete with:

- integral casing to protect the reverse osmosis unit from impacts and dust
- a built-in display
- a built in conductivity meter
- high pressure pump
- all the internal connections and controls are built into the design

TECHNICAL SPECIFICATIONS

TYPE		On-line	Off-line
TECHNICAL SPECIFICATIONS			
Permeate	L/h	90	130
Salt retention rate*	%	95	95
Permeate yield*	%	30 to 80	30 to 80
Number of membranes		1	1
Min/max service pressure	bars	2.5/6.0	2.5/6.0
Min/max water temperature	°C	5 to 30	5 to 30
Product code		PK0004576	P0004577
SIZE SPECIFICATIONS			
Width	mm	200	200
Depth	mm	200	200
Height	mm	1700	1700

* Depends on the raw water quality.

ACCESSORIES AND CONSUMABLES

NAME	Product code
Complete system to combine a tank and reverse osmosis unit Solenoid/ cabinet for level management	P0045557
35 L Steel flask with bladder	P0956270
50 L Steel flask with bladder	P0956271
80 L Steel flask with bladder	P0956272
140 L Steel flask with bladder	P0956273
300 L Steel flask with bladder	P0956274
LP 10 Filter + purge	P0048320
LP 20 Filter + purge	P0048321
BWT-PROPYL 10 microns 10" cartridge - Box of 6	PK0098182N
BWT-PROPYL 10 microns 20" cartridge - Box of 6	PK0098222N
BWT-PROPYL 1 micron 10" cartridge - Box of 6	PK0098180N
BWT-PROPYL 1 micron 20" cartridge - Box of 6	PK0098220N
BWT-CARBON 10" cartridge - Box of 6	PK0093146
BWT-CARBON 20" cartridge - Box of 6	PK0093147

BWT PERMAQ PICO

COMPACT REVERSE OSMOSIS UNIT



PRODUCT PLUSES

- **Quick and easy** to install
- **Wide range** of reverse osmosis water production
- **Reduced** floorspace occupation
- Rinsing in intervals to **optimise hygiene**
- Permeate yield **in excess of 80 % (in softened water)**
- **Off and on-line** operation

OPERATION

BWT PERMAQ PICO reverse osmosis units are compact reverse osmosis water production units.

They convert potable water into pure water meeting the most technical requirements.

The BWT PERMAQ PICO reverse osmosis unit is ready for use on site with or without a tank, in the on-line or off-line version.

APPLICATIONS

Many applications require distilled water quality in varying sectors of activity: air conditioning, industrial process, washing, steaming, autoclave, printing, laboratory, etc.

THE EQUIPMENT

BWT PERMAQ PICO reverse osmosis units are available in 14 different models.

BWT PERMAQ PICO reverse osmosis units are delivered complete with:

- integral casing to protect the reverse osmosis unit from impacts and dust
- a built-in display
- a built in conductivity meter
- high pressure pump
- all the internal connections and controls are built into the design
- a built-in 5 µm filter

→ **Flow rate:** 220 to 2,100 L/h

TECHNICAL SPECIFICATIONS

TYPE		20 On-line	40 On-line	50 On-line	60 On-line	70 On-line
TECHNICAL SPECIFICATIONS						
Permeate flow rate*	L/h	220	510	1000	1400	1600
Salt retention rate**	%	98	98	98	98	98
Permeate yield**	%	75 to 80	75 to 80	75 to 80	75 to 80	75 to 80
Number of membranes		2	1	2	3	3
Min/max service pressure	bars	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0
Min/max water temperature	°C	5 to 30	5 to 30	5 to 30	5 to 30	5 to 30
Product code		P0004525	P0004527	P0004528	P0004529	P0004530

TYPE		20 Off-line	40 Off-line	50 Off-line	60 Off-line	70 Off-line
TECHNICAL SPECIFICATIONS						
Permeate	L/h	310	650	1250	1800	2100
Salt retention rate**	%	98	98	98	98	98
Permeate yield**	%	75 to 80	75 to 80	75 to 80	75 to 80	75 to 80
Number of membranes		2	1	2	3	3
Min/max service pressure	bars	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0
Min/max water temperature	°C	5 to 30	5 to 30	5 to 30	5 to 30	5 to 30
Product code		P0004517	P0004519	P0004520	P0004521	P0004523

TYPE		10	20	30	40	50	60	70
SIZE SPECIFICATIONS								
Width	mm	475	475	475	475	475	475	475
Depth	mm	450	590	590	590	590	730	730
Height	mm	800	800	800	1285	1285	1285	1285

* AT an input pressure of 4 bars

** Raw water to softened water.

ACCESSORIES AND CONSUMABLES

NAME	Product code
Complete system to combine a tank and reverse osmosis unit Solenoid/ cabinet for level management	P0045557
Multiblock connection	P0004540
35 L Steel flask with bladder	P0956270
50 L Steel flask with bladder	P0956271
80 L Steel flask with bladder	P0956272
140 L Steel flask with bladder	P0956273
300 L Steel flask with bladder	P0956274
LP 10 Filter + purge	P0048320
LP 20 Filter + purge	P0048321
BWT-PROPYL 10 micron 10" cartridge - Box of 6	PK0098182N
BWT-PROPYL 10 micron 20" cartridge - Box of 6	PK0098222N
BWT-PROPYL 1 micron 10" cartridge - Box of 6	PK0098180N
BWT-PROPYL 1 micron 20" cartridge - Box of 6	PK0098220N
BWT-CARBON 10" cartridge - Box of 6	PK0093146
BWT-CARBON 20" cartridge - Box of 6	PK0093147



WHY RECOMMEND SoluTECH EQUIPMENT?

To achieve ever lower energy consumption and optimise yields, technology has become more complex (exchanger reactivity, innovating materials, small diameters, etc.).

In this context, water quality has a major role in the operation of the installations. Even if they are not visible, scale, sludge and corrosion cause damage in closed circuits and have a quick effect on yields.

SoluTECH is a complete line of products for the treatment of heating circuits, designed to maintain or re-establish performances and protect the circuits.



SoluTECH

→ **Treating the closed circuits** guarantees the output of private or community heating installations. It also makes it possible to extend their service life.

For these reasons it is important to prevent the risk of damage to the circuit or to remedy it when already damaged.

• SoluTECH LINE	90
• SoluTECH HABITAT	92
• SoluTECH FOR COMMERCIAL MARKET	100
• SoluTECH TESTS & ANALYSES	112
• <i>FOCUS ON TECHNICAL OPINIONS</i>	115

You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

SoluTECH

SIMPLIFY WATER TREATMENT FOR HEATING CIRCUITS

→ SoluTECH is a brand developed by the BWT France group. The products are formulated and produced in France. This expertise allows SoluTECH products to be adapted, reliable and safe for you.

SoluTECH COMPLIANT

- Proven effectiveness via a CSTBat⁽¹⁾ Atec
- Authorised for basic replacement by approval from the French sanitary authorities⁽²⁾ (DGS)
- Authorised disposal in the drains at the usage doses

SoluTECH SIMPLE

- A short line
- Explicit product names
- Innovating, all-in-one products
- Single step use

(1) N° 19/13-128 on the "SoluTECH FOR COMMERCIAL MARKET process". Technique listed in the insurance company Green List

(2) Registered in A and C List - French Ministry for Health



HABITAT LINE



TREATMENTS

- SoluTECH PROTECTION p. 92
- SoluTECH UNDERFLOOR HEATING p. 93
- SoluTECH SLUDGE REMOVAL p. 94
- SoluTECH LEAK PREVENTER p. 95



EQUIPMENT

- SoluTECH EASYFLOW p. 96
- SoluTECH AIR AND SLUDGE EXTRACTION p. 98
- SoluTECH CONDENSATES p. 110
- SoluTECH HOT WATER EXCHANGER p. 108



TESTS AND ANALYSES

- SoluTECH CONTROL p. 92-93
- SoluTECH COMPATIBILITY³ p. 114
- SoluTECH HOME ANALYSES P. 112



SoluTECH FOR COMMERCIAL MARKETS is the only treatment process compatible with all metals including aluminium that has an ATEC.

- **Formal proof:**
tested and approved effectiveness
- **An official sign:**
the safety of your technical choices
- **Genuine safety:**
insurance companies routinely impose the use of products for which an ATEC has been issued

SoluTECH SAFE

- No risk of overdosing
- Effectiveness guaranteed 5 years
- All metals including aluminium



COMMERCIAL MARKETS LINE



TREATMENTS

- SoluTECH COMPLETE PROTECTION p. 102
- SoluTECH WASHING & SLUDGE REMOVAL p. 103



EQUIPMENT

- SoluTECH clarifying filters p. 104
- SoluTECH clarifying units p. 106
- SoluTECH CONDENSATES p. 110
- SoluTECH HOT WATER EXCHANGER p. 108



TESTS AND ANALYSES

- SoluTECH CONTROL p. 102
- SoluTECH COMPATIBILITY³ p. 114
- SoluTECH ANALYSIS FOR COMMERCIAL MARKETS p. 113

NEW!

SOLUTECH Air conditioning circuit PACKS

Complete treatment programme for all metal air conditioning circuits
treatments + magnetic filter + water analyses

pages 100 and 101

SoluTECH PROTECTION

MULTI-ACTION PREVENTIVE TREATMENT FOR HIGH TEMPERATURE HEATING CIRCUITS



PRODUCT PLUSES

- All-in-one preventive

ACTION

Single and complete preventive product for:

- scale
- corrosion
- sludge

APPLICATIONS

Ideal for traditional central heating (80-60°C) to:

- protect new circuits (less than 6 months old)
- protect a circuit after it has been cleaned of sludge
- avoid the repetition of problems
- maintain energy performances

Suitable for circuits from 50 to 110°C.

CARE

The product remains effective over time: if there are no top ups to the circuit (or for top-ups < 10% of the total volume), **no additional product is needed**. If top ups are carried out, check the dose once per year using the SoluTECH CONTROL kit and add if the protection is no longer sufficient.



PRACTICAL DOSING

EFFECTIVENESS GUARANTEED 5 YEARS**

COMPATIBLE WITH ALL MATERIALS INCLUDING ALUMINIUM

→ **Specific** traditional circuit (80°C - 60°C)

COMPLEMENTS AND ACCESSORIES

NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH INJECTION	Connector for clean and practical pouring of the product into the installation	C0011717	19.30 €
SoluTECH CONTROL	SoluTECH content checking kit (preventive products)	C0011722	49.50 €

* Or 1 500 mL jerrican for 100 L of circuit (or a dwelling of about 100 m²)
 ** When topping up less than 10% of the total circuit volume

CONDITIONING	Item code	Retail price ex VAT ⁽¹⁾
500 mL jerrican (sold per dozen)	C0007473A	45.90 € / Jerrican
10 L jerrican	C0007475	51.70 € / L



SoluTECH INJECTION



SoluTECH CONTROL

⁽¹⁾ Prices valid in Metropolitan France unless changed: See general sales terms and conditions

SoluTECH UNDERFLOOR HEATING

MULTI-ACTION PREVENTIVE TREATMENT FOR LOW TEMPERATURE HEATING CIRCUITS



(!) Prices valid in Metropolitan France unless changed. See general sales terms and conditions



PRODUCT PLUSES

- All temperature all-in-one prevention
- Agent against organic deposits

ACTION

Single and complete preventive product for:

- scale
- corrosion
- sludge
- organic deposits (algae and bacteria)

APPLICATIONS

SoluTECH Underfloor heating is suitable for all circuit temperatures up to 110°C.

Its effectiveness against organic deposits makes it ideal at low temperatures (ENR, condensation) or for mixed circuits (radiators and underfloor heating).

- protect new circuits (less than 6 months old)
- protect a circuit after it has been cleaned of sludge
- avoid the repetition of problems
- maintain energy performances

CARE

The product remains effective over time: if there are no top ups to the circuit (or for top-ups < 10% of the total volume), **no additional product is needed**. If top ups are carried out, check the dose once per year using the SoluTECH CONTROL kit and top up if the protection is no longer sufficient.

PRACTICAL DOSING

EFFECTIVENESS GUARANTEED 5 YEARS**

COMPATIBLE WITH ALL MATERIALS INCLUDING ALUMINIUM

→ All circuits

COMPLEMENTS AND ACCESSORIES

NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH INJECTION	Connector for clean and practical pouring of the product into the installation	C0011717	19.30 €
SoluTECH CONTROL	SoluTECH content checking kit (preventive products)	C0011722	49.50 €

* Or 1 500 mL jerrican for 100 L of circuit (or a dwelling of about 100 m²)
 ** When topping up less than 10% of the total circuit volume

CONDITIONING	Item code	Retail price ex VAT ⁽¹⁾
500 mL jerrican sold per dozen	C0007470A	49.00 € / Jerrican
10 L jerrican	C0007468	55.90 € / L
Total prevention pack	C0020923A	272.30 €



SoluTECH INJECTION



SoluTECH CONTROL

SoluTECH DESLUDGING

MULTI-ACTION CURATIVE TREATMENT FOR HEATING CIRCUITS



PRODUCT PLUSES

- **One step operation:** does not require the installation to be passivated**
- Blue tracer
- Release into the drains without neutralisation**

ACTION

- Single and complete curative product to:
- wash and remove sludge (sludge, scale, oxides)
 - disperse algae and bacterial deposits
 - clean deteriorated glycols

APPLICATIONS

- Ideal for all heating circuits for operations such as:
- rinsing before commissioning (new or refurbishment)
 - boiler renovation or replacement: prevents sludge in the new equipment and maintains its yield and your energy savings
 - sludge removal in cases of loss of exchange, circulation difficulties, noise...
 - cleaning of glycol installations (solar panels, heat pump, heating containing anti-freeze, etc.)
- Used with or without a sludge removal pump.

USE

- A choice of 2 methods for 2 actions:
- slow sludge removal over 2 weeks with circulation: dosage 1 jerrican (500mL) for 1 dwelling (100 L)
 - fast sludge removal using a sludge removal pump in 1 day: dosage 2 jerricans (1 L) for 1 dwelling (100L)

→ Multi-action curative treatment

COMPLEMENTS AND ACCESSORIES

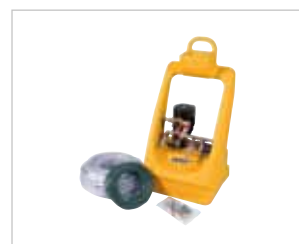
NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH INJECTION	Connector for clean and practical pouring of the product into the installation	C0011717	19.30 €
SoluTECH HOME ANALYSES	Complete water analyses: <ul style="list-style-type: none"> • postage paid kit • 14 control parameters • response time: 3 weeks 	C0007410	71.50 €
SoluTECH EASYFLOW	Mobile sludge removal and washing pump	C9000075A	1550.00 €

⁽¹⁾ Or 1 500 mL jerrican for 100 L of circuit (or a dwelling of about 100 m²)
⁽²⁾ At the used dosages

CONDITIONING	Item code	Retail price ex VAT ⁽¹⁾
500 mL jerrican (sold per dozen)	C0007472A	41.80 € / Jerrican
10 L jerrican	C0007474	47.50 € / L



SoluTECH INJECTION



SoluTECH EASYFLOW

⁽¹⁾ Prices valid in Metropolitan France unless changed: See general sales terms and conditions

SoluTECH LEAK PREVENTER

CURATIVE LEAK TREATMENT
FOR HEATING CIRCUITS



(!) Prices valid in Metropolitan France unless changed. See general sales terms and conditions



→ Curative treatment

COMPLEMENTS AND ACCESSORIES

NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH INJECTION	Connector for clean and practical pouring of the product into the installation	C0011717	19.30 €

* Or 2 500 mL jerrican for 100 L of circuit (or a dwelling of about 100 m²)
** When topping up less than 10% of the total circuit volume

PRODUCT PLUSES

- **Simple and safe** intervention
- **Permanent effectiveness**
- Suitable for **circuits containing glycol** (anti-freeze treatments)
- **Compatible** with all SoluTECH treatments

ACTION

Emergency product that effectively and permanently seals:

- micro-leaks and seepage
- watertightness defects, including under screeds

APPLICATIONS

Ideal for repairing problem circuits (porous radiator, seepage, under-screed leak, pressure drops, etc.). Suitable for all circuit temperatures up to 110°C.

Does not alter the water's viscosity.

CARE

The product remains effective over time: if there are no top ups to the circuit (or for top-ups < 10% of the total volume), no additional product is needed.

CONDITIONING

	Item code	Retail price ex VAT ⁽¹⁾
500 mL jerrican sold per dozen	C0007471A	48.00 € / Jerrican



SoluTECH INJECTION

SoluTECH EASYFLOW

MOBILE SLUDGE REMOVAL PUMP



PRODUCT PLUSES

- *Delivered complete, **ready-to-use***
- **Strong pump suitable for works :**
easy to transport, complete rinsing and hoses supplied

OPERATION

SoluTECH EASYFLOW is a compact, mobile pump designed to wash or remove sludge from heating circuits.

It makes the injection of the cleaning product, its circulation, and the clean drainage of the circuit easier, as well as rinsing with clean water and simple and clean evacuation to the drains.

APPLICATIONS

SoluTECH EASYFLOW is ideal to clean central heating systems or heat exchangers.

It makes it possible to carry out sludge removal or washes:

- during renovation
- when installing new equipment
- in the framework of performance improvements mentioned in the report issued under the boiler maintenance contract (mandatory: decree published in the French Journal Officiel of 15 September 2009 on 4 to 400 kW boiler maintenance)

STANDARD EQUIPMENT

Mobile pump delivered complete and ready-to-use:

- fitted with a flow reverser for better effectiveness on highly charged circuits with low flow rates
- delivered with the connection pipes
- built-in rollers

→ **Flow rate:** 1 to 4 m³/h

TECHNICAL SPECIFICATIONS

TYPE		SoluTECH EASYFLOW by Grundfos	
TECHNICAL SPECIFICATIONS			
Rated flow	m ³ /h	4 m ³ /h at 0.8 bar - 1 m ³ /h at 1.5 bar	
Max TDH at nil flow	mCE	16	
Protection index		IP54	
Min/max water temperature	°C	-10 to 90	
Connection pipes		1.5 m for tap water Ø 12.5 mm 2.5 m for the drains Ø 19 mm	
Item code		C9000075A	
Retail price ex VAT ⁽¹⁾		1,550.00 €	
SIZE SPECIFICATIONS			
Length	mm	500	
Total height	mm	950	
Width	mm	450	

QUICK SLUDGE REMOVAL OPERATION WITH FLOW REVERSAL

→ **Fit the installation with a degasser**
and/or sludge trap if it does not have one.

→ **Drain the installation if the water is highly charged**
Re-fill the circuit with water, start circulation and heating.

→ **Add SoluTECH DESLUDGING product**

- connect the SoluTECH EASYFLOW sludge pump to the heating circuit or the underfloor heating collector
- dilute the SoluTECH DEDESUDGING product in the pump tank

→ **Remove the sludge from the circuits**

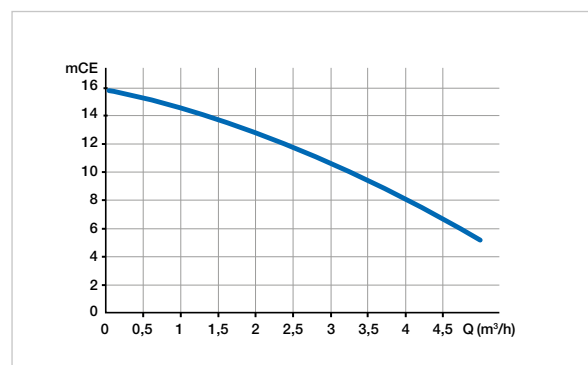
- start up the pump to clean the circuit
- reverse the pump flow direction to favour the removal of the sludge from the installation

→ **Rinse**
Once the operation is complete, fully drain and rinse loop by loop using clean water to evacuate the particles in suspension

→ **Preventive treatment of the installation**
Refill with clean water, purge, then add the preventive product using the SoluTECH INJECTION kit or directly using the pump.

→ **Validate the dosage using the SoluTECH CONTROL kit**

PERFORMANCE CURVE



ACCESSORIES AND CONSUMABLES	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH HOME ANALYSES	C0007410	71.50 €
SoluTECH DESLUDGING		
500 mL jerrican sold per dozen	C0007472A	41.80 € / Jerrican
10 L jerrican	C0007474	47.50 € / L
SoluTECH HEATING FLOORS		
500 mL jerrican sold per dozen	C0007470A	49.00 € / Jerrican
10 L jerrican	C0007468	55.90 € / L
SoluTECH CONTROL	C0011722	49.50 €



SoluTECH DESLUDGING



SoluTECH UNDERFLOOR HEATING



SoluTECH CONTROL



SoluTECH HOME ANALYSES

⁽¹⁾Prices valid in Metropolitan France unless changed. See general sales terms and conditions

SoluTECH AIR AND SLUDGE EXTRACTION

HEATING FILTRATION UP TO 70 KW



PRODUCT PLUSES

- **Solid:** bronze body
- **Directional connector:** mounting on horizontal or vertical pipes
- **Eases the injection** of SoluTECH treatment products

OPERATION

SoluTECH AIR AND SLUDGE EXTRACTION is a 4-in-1 filter:

- sludge filtering
- magnetic trap for magnetisable particles
- degasser with quick air vent
- product compartment

APPLICATIONS

Installed on the heating circuit SoluTECH AIR AND SLUDGE EXTRACTION makes it possible to extend equipment and installation service life and to maintain yields over time.

Preventive treatment is recommended to avoid scale deposits, corrosion and bacterial growth.

STANDARD EQUIPMENT

- Delivered with a directional connector
- Delivered with heat insulation to avoid heat loss
- Built-in quick air purge

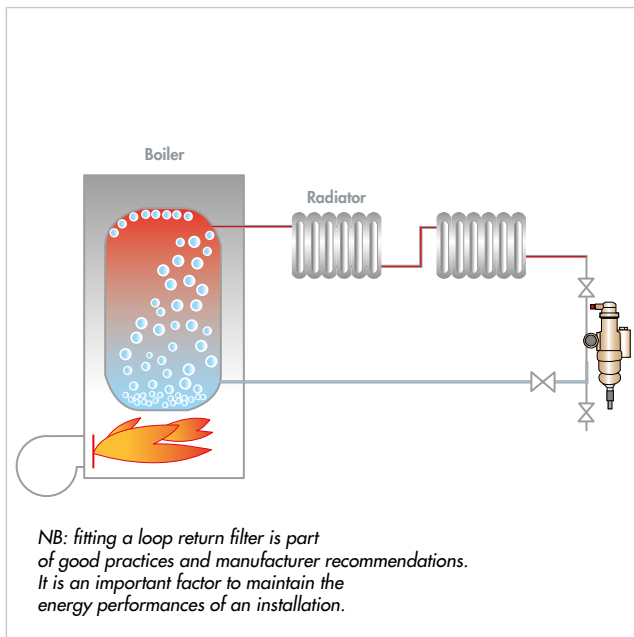
→ **Flow rate:** 3.6 m³/h

TECHNICAL SPECIFICATIONS

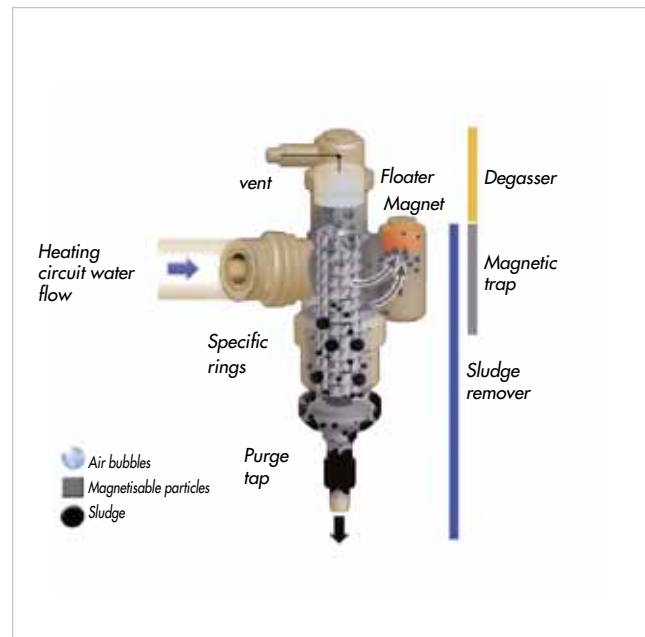
TYPE	SoluTECH EXTRACTION AIR AND SLUDGE		TOTAL PREVENTION PACK SoluTECH AIR AND SLUDGE EXTRACTION + SoluTECH HEATING FLOORS	
TECHNICAL SPECIFICATIONS				
Coupling diameter	DN		DN 25	
Rated flow	m ³ /h		3.6	
Max service pressure	bars		10	
Max water temperature	°C		90	
Head loss	bars		0.2	
Product code		C0020911A		C0020923A
Retail price ex VAT ⁽¹⁾		261.50 €		272.30 €
SIZE SPECIFICATIONS				
Length with connector	mm		184	
Total height with heat insulation	mm		333	
Depth with heat insulation	mm		157	

⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



OPERATING PRINCIPLE



To allow treatment products to be injected, it is preferable to fit SoluTECH AIR AND SLUDGE EXTRACTION on vertical piping that can be drained.

Mounting at the start of the loop is also possible to favour the degassing effect or if there is no purge device on the circuit

Once mounted, fix the supplied heat insulation to avoid heat loss.

SoluTECH AIR CONDITIONING CIRCUIT PACK

COMPLETE WATER TREATMENT PROGRAMME



PRODUCT PLUSES

- **For all air conditioning circuits**, cooling systems, change over, ENR, heating, up to 110°C
- **Complete technical solution**, treatments + magnetic clarifier + laboratory water analyses
- **Easy sizing**

OPERATION

The SoluTECH AIR CONDITIONING CIRCUIT packs include the equipment and the treatments

- described by the rules of the trade and best practices
- needed to protect installations (sludge, scale and corrosion) and output
- compliant with the recommendations of equipment manufacturers

Each pack is a complete solution for:

- **cleaning** and passivating the circuit
- **prevention** of scale, corrosion, sludge
- **the issue of a commented analysis** covering the circuit water quality (diagnosis, end of works report, etc.)

Composition of a SoluTECH AIR CONDITIONING Pack

- the SoluTECH curative treatment charge WASHING & SLUDGE REMOVAL
- the charge of SoluTECH TOTAL PROTECTION preventive treatment
- 1 SoluTECH MAGNETIC CLARIFYING FILTER
- 1 SoluTECH ANALYSIS FOR COMMERCIAL MARKETS kit

Each pack is specifically sized depending on the circuit power and adapted to your installation.

APPLICATIONS

It is important that the air conditioning circuit water treatment is taken into account at the project design stage and implemented before the works are completed.

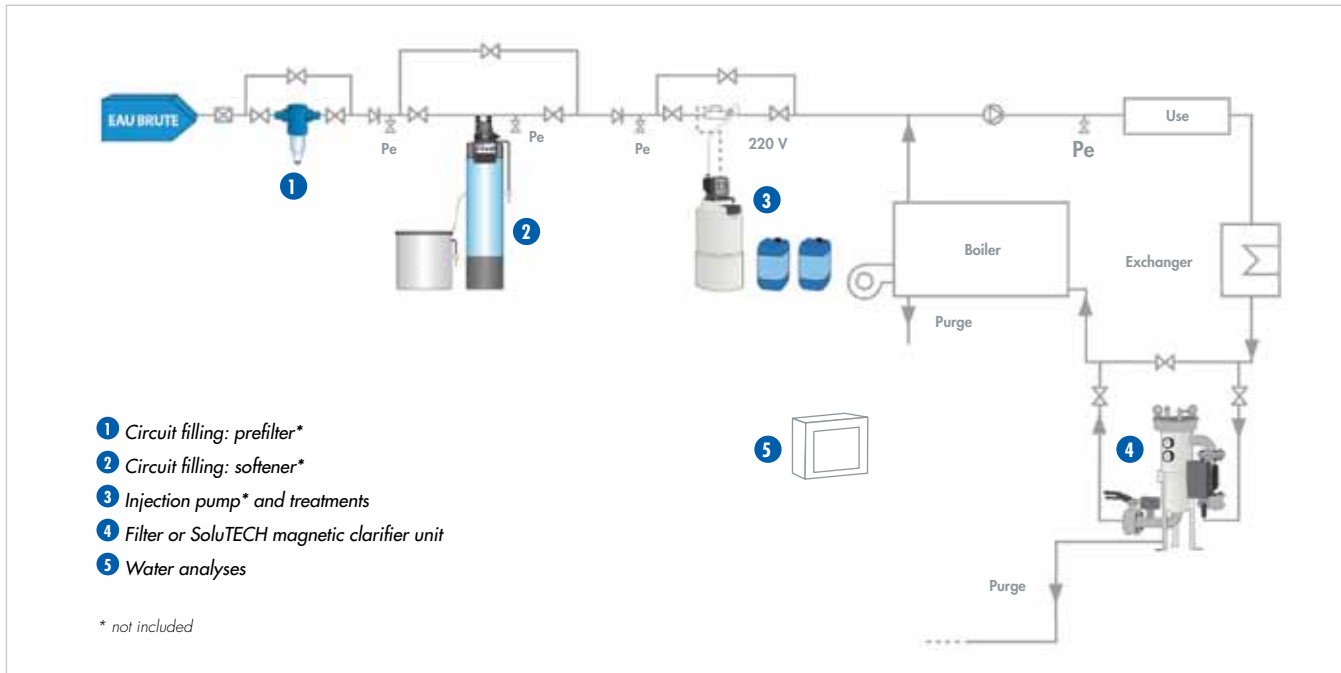
The SoluTECH AIR CONDITIONING CIRCUIT PACKS simplify sizing and the application of good practices.

The SoluTECH AIR CONDITIONING CIRCUIT PACKS are ideal:

- for new build or refurbishment works
- when taking over a building
- for curative operations on a problem circuit

→ **4 complete packs** defined according to circuit power

INSTALLATION RECOMMENDATIONS



Prices on application. See general sales terms and conditions

ANALYSIS	NAMES See pages 46 - 47	TREATMENTS See pages 102 - 103	CLARIFIER FILTER See pages 104 - 107	Product code
CIRCUIT FROM 0 TO 500 kW				
SoluTECH 0-500 kW PACK	SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	<ul style="list-style-type: none"> • 1 jerrican of SoluTECH WASHING & SLUDGE REMOVAL • 1 jerrican of SoluTECH TOTAL PROTECTION 	1 SoluTECH 5/9 Clarifier filter	BK0002520A
SoluTECH 0-500 kW PACK +			1 SoluTECH XS Clarifier unit (built-in circulator)	BK0002520B
CIRCUIT FROM 501 TO 1000 kW				
SoluTECH PACK 501 - 1000 kW	SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	<ul style="list-style-type: none"> • 2 jerricans of SoluTECH WASHING & SLUDGE REMOVAL • 2 jerricans of SoluTECH TOTAL PROTECTION 	1 SoluTECH 5/9 Clarifier filter	BK0002521A
SoluTECH PACK 501 - 1000 kW +			1 SoluTECH XS Clarifier unit (built-in circulator)	BK0002521B
CIRCUIT FROM 1001 TO 1500 kW				
SoluTECH PACK 1001 - 1500 kW	SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	<ul style="list-style-type: none"> • 3 jerricans of SoluTECH WASHING & SLUDGE REMOVAL • 3 jerricans of SoluTECH TOTAL PROTECTION 	1 SoluTECH 10/20 Clarifier filter	BK0002522A1
SoluTECH PACK 1001 - 1500 kW +			1 SoluTECH 10/20 Clarifier unit (built-in circulator)	BK0002522B1
CIRCUIT FROM 1501 TO 2000 kW				
SoluTECH PACK 1501 - 2000 kW	SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	<ul style="list-style-type: none"> • 4 jerricans of SoluTECH WASHING & SLUDGE REMOVAL • 4 jerricans of SoluTECH TOTAL PROTECTION 	1 SoluTECH 10/20 Clarifier filter	BK0002522A2
SoluTECH PACK 1501 - 2000 kW +			1 SoluTECH 10/20 Clarifier unit (built-in circulator)	BK0002522B2

SoluTECH TOTAL PROTECTION

PREVENTIVE MULTI-ACTION TREATMENT FOR HVAC CIRCUITS



PRACTICAL DOSING
5L FOR 1m³

EFFECTIVENESS
GUARANTEED
5 YEARS*

COMPATIBLE
WITH ALL MATERIALS
INCLUDING
ALUMINIUM

→ All purpose preventive treatment

COMPLEMENTS AND ACCESSORIES

NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH CLEANING AND DESLUDGING	Multi-action curative treatment for community heating and cooling systems services	C0007462 20 L jerrican	30.60 € / L
		C0007465 200 L drum	25.50 € / L
SoluTECH CONTROL	SoluTECH content checking kit (preventive products)	C0011722	49.50 €
SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	Sample-taking and assessment kit for closed circuit water in collective or office buildings	C0007412	150.00 €

* When topping up less than 10% of the total circuit volume



PRODUCT PLUSES

- **A single product** for all applications (hot and cold)
- **Antifouling agent** included

ACTION

Single and complete preventive product for:

- scale
- corrosion
- sludge
- organic deposits (algae and bacteria)

APPLICATIONS

Ideal for all HVAC circuits (heating, cooling systems, change over) up to 110°C to:

- protect new circuits and equipment (less than 6 months old)
- protect a circuit after it has been cleaned of sludge
- avoid the repetition of problems
- maintain energy performances

CARE

The product remains effective over time: if there are no top ups to the circuit (or for top-ups < 10% of the total volume), **no additional product is needed**. If top ups are carried out, check the dose once per year using the SoluTECH CONTROL kit and add if the protection is no longer sufficient.

CONDITIONING

	Item code	Retail price ex VAT ⁽¹⁾
20 L jerrican	C0007461	30.60 € / L
200 L drum	C0007464	25.50 € / L

Also sold in SoluTECH HVAC CIRCUIT PACKS



SoluTECH CLEANING AND DESLUDGING



SoluTECH CONTROL

SoluTECH CLEANING AND DESLUDGING

CURATIVE MULTI-ACTION TREATMENT FOR HVAC CIRCUITS



(1) Prices valid in Metropolitan France unless changed. See general sales terms and conditions



PRACTICAL DOSING
5L FOR 1 m³

COMPATIBLE WITH ALL MATERIALS INCLUDING ALUMINIUM

→ Curative treatment

COMPLEMENTS AND ACCESSORIES

NAME	DESCRIPTION	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH TOTAL PROTECTION	Preventive multi-action corrosion treatment for all HVAC circuits	C0007461 20 L jerrican	30.60 € / L
		C0007464 200 L drum	25.50 € / L
SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	Sample-taking and assessment kit for closed circuit water in collective or office buildings	C0007412	150.00 €

* At the usage dosages

PRODUCT PLUSES

- **One step operation:** does not require the installation to be passivated*
- **Blue tracer**
- **Release into the drains without neutralisation**

ACTION

Single and complete curative product to:

- wash and remove sludge (sludge, scale, oxides)
- disperse organic deposits (algae and bacteria)
- clean deteriorated glycols

APPLICATIONS

Ideal for all HVAC circuits (heating and cooling systems) up to 110°C for:

- **washing before your buildings are delivered :** delivery of works without reserves on water quality
- **boiler renovation or replacement:** prevents sludge in the new equipment and maintains its yield and your energy savings
- **sludge removal in cases of loss of exchange,:** sludge, circulation difficulties, noise, etc.
- **cleaning of glycol installations:** solar panels, heat pumps, heating containing anti-freeze, etc.

USE

A choice of 2 methods for 2 actions:

- slow sludge removal (over a maximum of 2 weeks): dosage 5 L/m³
- quick sludge removal or removal of deteriorated glycols using a double dose (10 L/m³)

Please contact us for more details: a suitable protocol can be defined depending on the specificities of your site.

CONDITIONING

	Item code	Retail price ex VAT ⁽¹⁾
20 L jerrican	C0007462	30.60 € / L
200 L drum	C0007465	25.50 € / L

Also sold in SoluTECH HVAC CIRCUIT PACKS



SoluTECH TOTAL PROTECTION



SoluTECH ANALYSIS FOR COMMERCIAL MARKETS

SoluTECH CLARIFIER FILTERS

HVAC SERVICE FILTERING



→ **Flow rate:** 0 to 320 m³/h

PRODUCT PLUSES

- **Stainless steel or painted steel** strong filter body
- **Simple and safe opening** using swing bolts

OPERATION

SoluTECH CLARIFIER FILTERS are designed to continuously eliminate the following from circuits:

- oxides and magnetisable particles using a powerful magnetic bar
- solid impurities, sludge and suspended matter using a felt filtering bag that traps particles bigger than 20 µm depending on the model (other filtering grades to order)

The wide range of SoluTECH CLARIFIER FILTERS can be used to treat any power of heating or cooling system installation.

APPLICATIONS

Installed as a bypass on the circuit discharge (plan on between 15 and 30% of the circulating flow), preferably at the installation low point, the SoluTECH CLARIFIER FILTER is used:

- **preventively:** on new circuits with the injection of an all purpose corrosion product such as SoluTECH TOTAL PROTECTION
- **curatively:** for a sludge removal operation on an existing circuit, using a treatment such as SoluTECH CLEANING & DESLUDGING

STANDARD EQUIPMENT

The SoluTECH CLARIFIER FILTER has the essential functions:

- 20 µm filter bag
- magnetic candle
- a cover with swing bolts for easy cleaning
- adjustable stand: adjustable height for easier connection

TECHNICAL SPECIFICATIONS

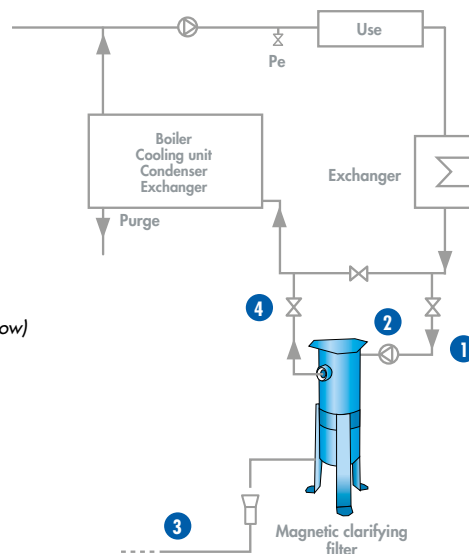
TYPE		5/9	10/20	21/50	80	120	160	220	320
TECHNICAL SPECIFICATIONS									
Coupling diameter	DN	DN 32	DN 50	DN 80	DN 100	DN 150	DN 150	DN 200	DN 250
Rated flow	m ³ /h	9	20	50	80	120	160	220	320
Filtering grade	microns	25	50	50	50	50	50	50	50
Max service pressure	bars	10	10	10	10	10	10	10	10
Min/max water temperature	°C	85	85	85	85	85	85	85	85
Number of bags		1	1	1	2	3	4	5	7
Steel version item code		-	-	-	P0003652	P0003653	P0003654	P0003655	P0003656
Stainless steel version item code		P0069208	P0069209	P0069211	P0003657	P0003658	P0003659	P0003660	P0003661
SIZE SPECIFICATIONS									
Width	mm	200	290	290	700	800	900	1000	1100
Min height	mm	590	785	1225	1410	1630	1700	1780	2020

On request, the filters can be sized to adapt to non standard pressures and temperatures.

INSTALLATION RECOMMENDATIONS

NB: fitting a loop return filter is part of good practices and manufacturer recommendations. It is an important factor to maintain the energy performances of an installation.

- 1 Inlet for water to be treated (about 20% of the loop return flow)
- 2 Circulator (not included)
- 3 Filter purge drainage
- 4 Filtered water outlet



ACCESSORIES AND CONSUMABLES	Item code
20 micron bag for 5/9 and XS filter	P0069203
O-ring for STAINLESS STEEL 5/9 and XS filter	P0069202
50 micron polypropylene bag for 80 to 320 filter	P0003890
5/9 and XS magnetic bar	P0069204
10/20 O-Ring	P0069213
10/20 filter bag	P0069214
10/20 magnetic bar	P0069215
21/50 O-Ring	P0069231
21/50 filter bag	P0069232
21/50 magnetic bar	P0069233
SoluTECH 5/9 heat insulation	P0069238
SoluTECH 10/20 heat insulation	P0069239

SoluTECH CLARIFIER UNITS

HVAC SERVICE FILTERING



→ **Flow rate:** 0 to 50 m³/h

PRODUCT PLUSES

- Complete, **ready-to-install on site**
- **Stainless steel** or **painted steel** strong filter body
- **Simple and safe** opening using swing bolts
- **Remote filter monitoring** using the BMS models

OPERATION

SoluTECH CLARIFIER UNITS are designed to continuously eliminate the following from circuits:

- oxides and magnetisable particles using a powerful magnetic bar
- solid impurities, sludge and suspended matter using a felt filtering bag that traps particles bigger than 20 µm depending on the model (other filtering grades to order)

The wide range of SoluTECH CLARIFIER UNITS can be used to treat any power of heating or cooling system installation.

APPLICATIONS

Installed as a bypass on the circuit discharge (plan on between 15 and 30% of the circulating flow), preferably at the installation low point, the SoluTECH CLARIFIER UNIT is used:

- preventively: on new circuits with the injection of an all purpose corrosion product such as SoluTECH TOTAL PROTECTION
- curatively: for a sludge removal operation on an existing circuit, using a treatment such as SoluTECH CLEANING & DESLUDGING

STANDARD EQUIPMENT

SoluTECH CLARIFIER UNITS are complete and ready-to-connect:

- circulator included
- 2 control pressure gauges included
- inlet/outlet valve and purge valve included
- automatic purger
- adjustable stand height (easy connection)

On BMS models:

- control cabinet to control and protect the pump
- light indicator to show the filter condition: clean or clogged
- dry contact output for clogged filter fault
- flow controller on the filter output

TECHNICAL SPECIFICATIONS

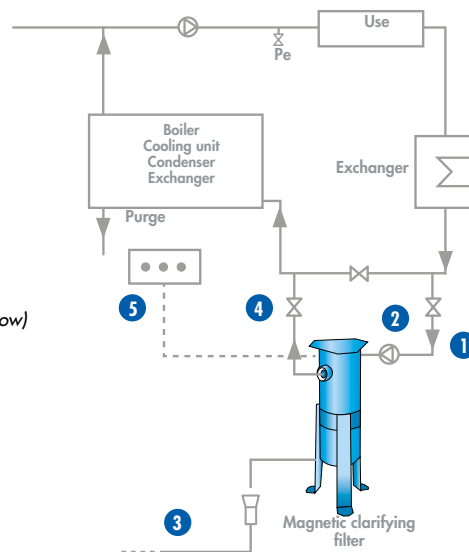
TYPE		XS	5/9	10/20	21/50			
TECHNICAL SPECIFICATIONS								
Coupling diameter	DN	32	32	50	80			
Rated flow	m ³ /h	4	9	20	50			
Filtering grade	microns	25	50	50	50			
Max service pressure	bars	10	10	10	10			
Min/max water temperature	°C	85	85	85	85			
Number of bags		1	1	1	1			
Filter material		Stainless steel	Steel	Steel	Steel			
Item code		P0003884	P0003637	P0003638	P0003640			
BMS version item code		-	P0003641	P0003642	P0003643			
SIZE SPECIFICATIONS								
Width	mm	380	324	363	441	466	480	480
Length	mm	423	562	668	668	785	1320	1320
Min height	mm	883	685	686	875	875	1530	1508

On request, the filters can be sized to adapt to non standard pressures and temperatures.

INSTALLATION RECOMMENDATIONS

NB: fitting a loop return filter is part of good practices and manufacturer recommendations. It is an important factor to maintain the energy performances of an installation.

- 1 Inlet for water to be treated (about 20% of the loop return flow)
- 2 Circulator (included)
- 3 Filter purge drainage (valve included)
- 4 Filtered water outlet
- 5 BMS Notification (Option)



ACCESSORIES AND CONSUMABLES	Item code
20 micron bag for 5/9 and XS filter	P0069203
O-ring for STAINLESS STEEL 5/9 and XS filter	P0069202
50 micron polypropylene bag for 80 to 320 filter	P0003890
5/9 and XS magnetic bar	P0069204
10/20 O-Ring	P0069213
10/20 filter bag	P0069214
10/20 magnetic bar	P0069215

ACCESSORIES AND CONSUMABLES	Item code
21/50 O-Ring	P0069231
21/50 filter bag	P0069232
21/50 magnetic bar	P0069233
SoluteCH 5/9 heat insulation	P0069238
SoluteCH 10/20 heat insulation	P0069239

SoluTECH HOT SANITARY exchanger

PHYSICAL ANTI-SCALE FOR INDIVIDUAL WALL MOUNTED BOILERS



PRODUCT PLUSES

- *Maintenance-free, replacement every 5 years*
- **Compact**
- *Strong and durable:
stainless steel body, chrome connectors*

OPERATION

SoluTECH HOT SANITARY WATER exchanger is a physical electrolytic anti-scale device. The water passes through the tubular body in which the formation of scale is triggered by turbulence in a non adhering crystal form (aragonite).

The scale is therefore formed upstream, in a form that is harmless for installations and is borne away by the flow of water.

APPLICATIONS

SoluTECH HOT SANITARY exchanger is to be installed upstream of the heating equipment to be protected (boiler).

Ideal for apartments with wall mounted boilers for **domestic hot water production**, or for homes.

Ideal when a softener cannot be installed, it is a simple and maintenance-free alternative. By limiting the formation of scale, it extends the effectiveness and service life of equipment, and increases the intervals between the maintenance or replacement of exchangers.

STANDARD EQUIPMENT

Olive connectors supplied: 2 x Ø 15 mm and 2 x Ø 16 mm.

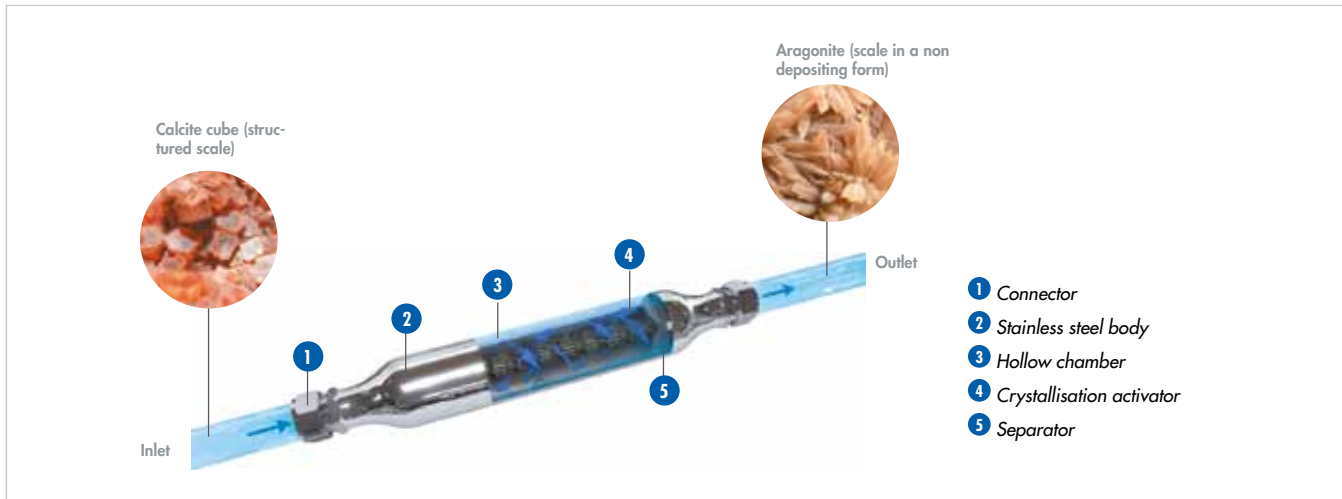
→ **Flow rate:** 1.6 m³/h

→ **Applications:** individual domestic and collective

TECHNICAL SPECIFICATIONS

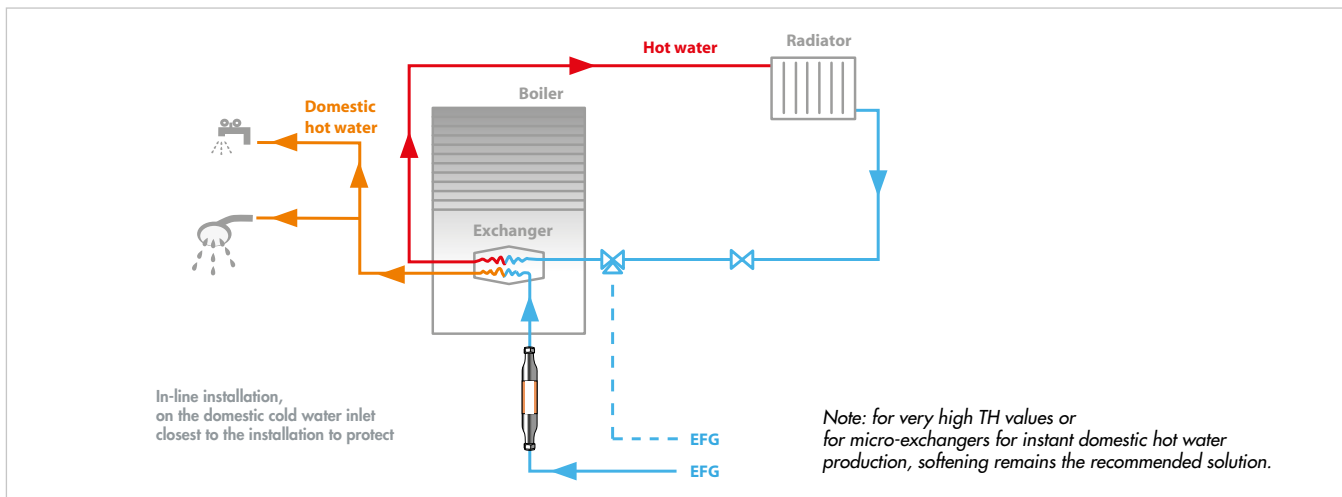
TYPE		SoluTECH HOT SANITARY exchanger	
TECHNICAL SPECIFICATIONS			
Max flow	m ³ /h	1.6	
Maximum pressure	bars	10	
Max water temperature	°C	70	
Product code		C0502030	
Retail price ex VAT ⁽¹⁾		135.00 €	
SIZE SPECIFICATIONS			
Diameter	mm	22	
Length excluding connectors	mm	219	
Total length	mm	335	

OPERATING PRINCIPLE



⁽¹⁾ Prices valid in Metropolitan France unless changed. See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



SoluTECH CONDENSATES

CONDENSATE NEUTRALISATION



PRODUCT PLUSES

- **High autonomy**
- The neutralising pellets are **easy to reload** (except MINI, the equipment must be replaced)

OPERATION

The principle of condensation is based on the recovery of the heat contained in the smokes. By returning this heat to the heating water, the combustion gases are cooled and condense in liquid form: the "condensates". Their composition is markedly acid (pH between 2.5 and 5 depending on the combustion source used).

SoluTECH CONDENSATE equipment contains a neutraliser that removes the acidity from the condensates (fuel or gas burners) before they are sent to the drains.

APPLICATIONS

SoluTECH CONDENSATE models are installed on floor or wall mounted condensing boilers.

- SoluTECH CONDENSATE MINI for wall mounted gas condensing boilers:
 - from 0 to 25 kW
 - wall mounting
- SoluTECH CONDENSATE + wall mounted condensing boilers, including cascaded:
 - from 0 to 200 kW
 - floor or wall mounted
- SoluTECH CONDENSATE SOL for floor mounted or high powered condensing boilers:
 - suitable for up to 350 kW
 - floor mounted

STANDARD EQUIPMENT

Equipment delivered complete:

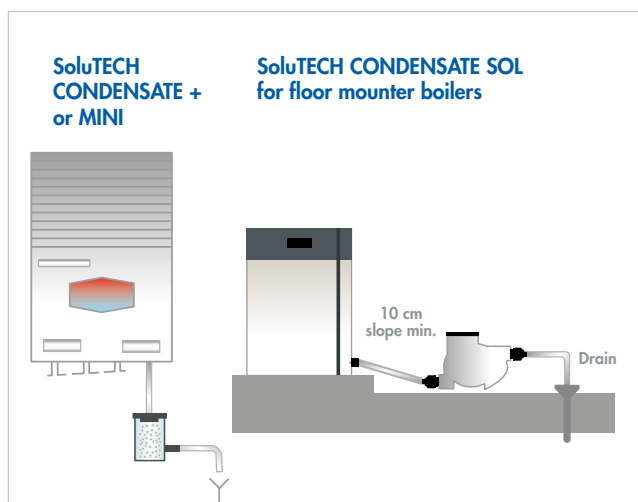
- neutralising load
- connectors and/or connection pipes (except MINI model)

→ **3 models depending on the power**
→ **Flow: 10 to 60 L/h**

TECHNICAL SPECIFICATIONS

TYPE		SoluTECH CONDENSATE MINI	SoluTECH CONDENSATE +	SoluTECH CONDENSATE SOL Up to 350 kW
TECHNICAL SPECIFICATIONS				
Coupling diameter	inches	3/4"	8 to 30 mm	3/4"
Rated flow	L/h	10	60	56
Max boiler power	kW	25	200	350
Service pressure	bars	Atmos. p	Atmos. p	Atmos. p
Min/max water temperature	°C	5/40	5/40	5/40
Product code		C0011721	C0011716A	C0011718
Retail price ex VAT ⁽¹⁾		38.00 € (sold per dozen)	90.00 €	267.00 €
SIZE SPECIFICATIONS				
Length	mm	-	-	480
Total height	mm	141	195	260
Width	mm	60	140	170

INSTALLATION RECOMMENDATIONS



CARE

The neutralising charge must be changed every year
Except SoluTECH CONDENSATE MINI: which must be fully replaced when empty or every year.

To check that your neutraliser is running correctly, check the presence of neutraliser (white pellets) inside, or check the water coming out using a pH tester strip (the pH must be higher than 6.5. If it is less, change the neutralising charge). Rinsing the pellets can favour the service life and effectiveness of the neutralising charge. Clean the appliance each time the neutraliser product is changed.

ACCESSORIES AND CONSUMABLES	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH CONDENSATE + recharge (2 kg bag)	P0048380	34.50 €
SoluTECH CONDENSATE SOL recharge (5 kg bag)	C0003900	113.50 €

FOCUS

SoluTECH CONDENSATE + for wall mounted boilers

SoluTECH CONDENSATE + simply connects to the boiler evacuation.

It is delivered complete with all the accessories:

- 1 neutralising recharge (2 kg)
- 120 cm of tube for connection to the drains
- 1 wall mounting kit



⁽¹⁾Prices valid in Metropolitan France unless changed. See general sales terms and conditions

SoluTECH HOME ANALYSES



SAMPLING AND ASSESSMENT KIT FOR DOMESTIC HEATING INSTALLATION WATER



→ Kit for **commented water analyses**
→ **Specific** individual heating

COMPOSITION

- 2 labelled sampling bottles (1 tap water, 1 heating water)
- 1 sealed bag
- 1 form (your installation, your contact details)
- The instructions
- 1 prepaid envelope to send everything back to our laboratory
- The commented results sent by email:
 - The analysis results: 14 checked items representative of your installation's health
 - The report: detailed conclusions on the tap water and heating water. If any disorders are found, advice and concrete recommendations are given (monitoring, suitable equipment and/or treatment)

PRODUCT PLUSES

- **Complete check-up** of the water quality in your installations (problem circuit, commissioning or maintenance certificate, etc.)
- **Commented results within 3 weeks**
- **For all individual heating circuits** (traditional, low temperature, heat pump, etc.)

OPERATION

- 1 • **Take** a sample of the top up water and the water in the heating circuit to be checked
- 2 • **Post** the 2 bottles using the prepaid envelopes
- 3 • **Receive** the commented analysis results by email within 3 weeks

APPLICATIONS

This kit is reserved for individual heating installations.

You carry out this check on your own during your interventions:

- to diagnose problem circuits: identify scale deposits, corrosion or sludge, aggressive water, absence of protective treatment, etc.
- Boiler replacement or servicing: compliance with manufacturer recommendations, need for prior sludge removal, commissioning report, etc.
- annual boiler servicing or refurbishment: energy improvement advice, etc.
- before or after works: inventory, works quotation support, works delivery, etc.

This water analysis is used to:

- check the health of installations, troubleshoot or anticipate problems
- validate and trace your operations
- support your customer advice

NB: The analyses are carried out by our central ISO 9001 approved laboratory in the Paris region:

CONDITIONING	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH HOME ANALYSES	C0007410	71.50 €

SoluTECH ANALYSIS FOR COMMERCIAL MARKETS



SAMPLE-TAKING AND ASSESSMENT KIT FOR CLOSED CIRCUIT WATER IN COLLECTIVE OR OFFICE BUILDINGS



PRODUCT PLUSES

- **Easy check of the water quality of your installations** (operating contract, works delivery, etc.)
- **Commented results within 3 weeks**
- **For all closed circuits up to 110 °C:** heating, cooling systems, change over, etc.

OPERATION

- 1 • **Take** a sample of the top up water and the water from the circuit to be checked
- 2 • **Post** the 2 bottles using the prepaid envelopes
- 3 • **Receive the commented report** by email within 3 weeks

APPLICATIONS

This kit is reserved for use in collective or office buildings. Easy to recommend and install, it simplifies technical circuit water quality checks.

- Validation of HVAC circuit water quality is recommended (or even imposed) in many situations:
- delivery of works or buildings (new build or refurbishment)
 - checking manufacturer recommendations (commissioning, guarantee)
 - operation and maintenance: monitoring or troubleshooting installations, installation assessments before taking them over
 - in the context of works recommendations: refurbishment, performance improvements, etc.

NB: The analyses are carried out by our central ISO 9001 approved laboratory in the Paris region:

→ Kit for **commented water analyses**

→ **Specific** closed loops (collective / office buildings)

COMPOSITION

- 2 labelled sampling bottles (1 top-up water, 1 heating water)
- 1 sealed bag
- 1 form (your installation, your contact details)
- 1 set of instructions
- 1 prepaid envelope to send everything back to our laboratory
- The commented results sent by email:
 - The analysis report: 15 checked items essential for the health of the circuits measured on the top-up water and the circuit water
 - The validation of compliance (or alarm) according to the thresholds defined in the SoluTECH FOR COMMERCIAL MARKETS Atec issued by CSTBat
 - A conclusion explaining the results with, if disorders have been found, the suitable recommendations (monitoring, actions to plan)

CONDITIONING

	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH ANALYSIS FOR COMMERCIAL MARKETS	C0007412	150.00 €

(1) Prices valid in Metropolitan France unless changed: See general sales terms and conditions

SoluTECH COMPATIBILITY³

HEATING OR TOP-UP WATER QUALITY
VALIDATION KIT



→ **Analyses** to carry out on site
→ **3 points** to check

APPLICATIONS

Suitable for all heating applications (individual, community or offices) SoluTECH COMPATIBILITY³ provides a simple, fast and cost effective check of the installations, to make your interventions safe, calculate the cost of a maintenance contract or anticipate problems.

This kit can easily be used to check water quality on site during:

- annual maintenance or customer service operations
- installation operation monitoring
- checks for manufacturer recommendation compliance: when initially filling a circuit, commissioning an installation, installing a boiler (new or replacement), etc.
- checking up installations before taking over their management or before works
- on site pre-diagnosis following a problem or before making a claim under the guarantee

PRODUCT PLUSES

- **Express on site validation** of the water quality
- **Check of 3 vital parameters** from manufacturer recommendations
- **Suitable for top-up water and heating water in residential and community situations**

COMPOSITION

The kit contains everything required to check 30 sites in a compact and strong case:

- 30 hardness test strips: TH test
- 30 mineralisation tabs: stainless steel test
- 1 test tube + 1 colour indicator: aluminium test
- The manual (instructions and compliance/alarm thresholds + advice)

OPERATION

Kit for 30 easy and fast on site tests:

- 1 • **Take** a sample of the water from the circuit to be checked (heating or top-up water)
- 2 • **Carry out the 3 tests** in 3 minutes:
 - scale deposit risk (hardness/TH ranges)
 - stainless steel compatibility (mineralisation threshold)
 - aluminium compatibility (alkalinity threshold)
- 3 • **Validate the compatibility of the water:** thresholds indicated in the instructions

The 3 tested parameters are vital for circuits (scale deposit, corrosion, pH drift risks, etc.).

They are mentioned in most manufacturer recommendations, guarantees, etc.

CONDITIONING

CONDITIONING	Item code	Retail price ex VAT ⁽¹⁾
SoluTECH COMPATIBILITY ³ (30 test kit)	C0011724	108.90 €

SoluTECH

COLLECTIF

A CERTIFIED PROCESS



SoluTECH for Commercial market technique
N° 19/13-128*V1 publié le 24/07/2014



The ATEC issued for the SoluTECH FOR COMMERCIAL MARKETS

process proves the effectiveness of its protection as a preventive measure or a curative measure for community heating circuits in all materials, and specifically those containing aluminium.

A marker for each step in the SoluTECH FOR COMMERCIAL MARKET PROCESS.

THE EQUIPMENT

Filter and clarifier unit

Either preventively or as a remedy, the physical action completes the chemical action of the injected products. They continuously purify the circuits by trapping solid particles and magnetisable oxides borne by the water.

PREVENTIVE AND CURATIVE TREATMENT

To simplify your operations, a single multi-function product per application.

SoluTECH WASHING & SLUDGE REMOVAL

To wash new circuits before commissioning them, or to remove sludge from circuits to be refurbished or that have problems.

SoluTECH TOTAL PROTECTION

To protect heating circuits, change-over circuits or cooling circuits.

ANALYSIS MONITORING

The analysis department and BWT contracts define

- The frequency of the checks
- The operating technique
- The analysis parameters, to guarantee and prove the effectiveness of your operations over time



THE WATER FROM THE PUBLIC SERVICES DOES NOT ALWAYS HAVE THE QUALITY YOUR APPLICATIONS REQUIRE

In buildings, water transmits calories (HVAC circuits) or is distributed to users as potable water (Domestic hot water, general cold water)

To give your applications full performances and to provide users with comfort and safety, and to protect your equipment, the BWT water conditioning line provides solutions to make the water distributed at the inlets to buildings compliant and suitable for the uses defined in regulations.



CONDITIONING

→ The BWT conditioning line

is designed to cover all applications simply and fully: disinfection, anti-scale, corrosion or anti-freeze treatments, line of curative treatments for scale, corrosion or sludge removal in deteriorated circuits. They allow you to ensure that your installations run correctly, or to carry out curative operations safely, and in compliance with applicable regulations.

• FOCUS ON BAG IN BOX	118
• DOSING UNIT	120
• CONDITIONING LINE	122
• AQUASIL	123
• BWT FILM105	124
• BWT DW-3002	125
• BWT SH-1005	126
• BWT CC-1002	127
• BWT GLYCOL N+	128
• BWT GLYCOL SANIT+	129
• BWT CP-4001	130
• BWT NET CAL+	131
• BWT NET NEUTRA+	132
• BWT NET SANIT+	133

You will find the applications in 2 symbols for each product.



ideal for individual housing



Ideal for community facilities

FOCUS ON

BAG IN BOX**AN INNOVATION IN THE MANAGEMENT OF YOUR WATER CONDITIONING PACKAGING**

→ BWT has created innovating packaging: the **BAG IN BOX (BiB)**



This packaging from BWT R&D is unique on the water treatment market. It is composed of:

- a flexible and strong inner bag containing the treatment product which flattens automatically as it empties
- a strong and recyclable outer box

Compatible with all existing dosing accessories for jerricans, this packaging considerably reduces empty packaging constraints.

ECOLOGICAL

- Removable and 100% recyclable box
- 75% less plastic compared to a jerrican of the same capacity
- Reduced waste weight and volume: carbon footprint 60% smaller

PRACTICAL

- Built-in product level gauge
- Extra-flat empty bag to gain storage space for empty packaging
- Empty bag collection system with the **BWT - BiB CONCEPT option**

STRONG

- Packaging stackable up to 3 levels
- Higher frost resistance than jerricans
- Built-in carrying handle

A COLOUR CODE TO SIMPLIFY WATER CONDITIONING



EASY → identifies the product's application.

SAFE → simplifies compliance with storage instructions.

CLEAR → labels are more legible and have multi-language instructions.

THE BiB CONCEPT OPTION

A complete service from delivery to the recycling of packaging

- 1** WHEN you order your BiB format water treatments, subscribe to the BiB Concept option
- 2** BWT will deliver your order + a jerrican for used bags
- 3** Once full, just return the jerrican to BWT

→ **The benefits:** BWT retains the property and responsibility for the waste and completely relieves you of the procedures to have them destroyed using a specialised contractor and the associated formalities (Industrial waste tracking, etc.)

DOSING UNIT

PRODUCT INJECTION



→ **Flow rate:** 7 to 60 L/h

PRODUCT PLUSES

- *Dosing unit delivered complete and ready-to-connect*
- *Accurate and reliable electronic pump*

OPERATION

The dosing unit is the easy and reliable way to treat your circuits. It is delivered complete and ready to commission.

The containment tank, which is mandatory for all chemical storage, is sized for your dosing unit.

The electronic dosing pump provides accurate doses from the very smallest flows. Available in a PM60 model for high flow and high counter-pressure circuits.

Graduated dosing tank, digital display dosing pump and user friendly programming: simplified monitoring and operation.

APPLICATIONS

The dosing unit is designed to simplify community water service treatment.

It is delivered complete and ready to connect. The choice is made depending on the dosing pump sizing.

STANDARD EQUIPMENT

The dosing unit is delivered complete and ready to connect, including:

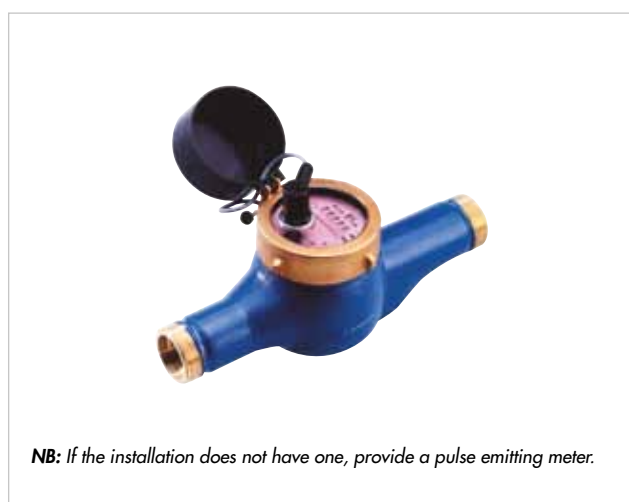
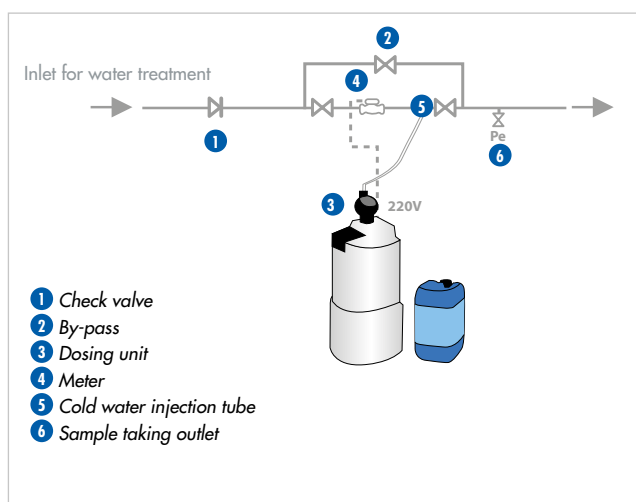
- the 140 L treatment tank
- the dosing pump
- injection accessories (suction screen, tubing and discharge piping, injection tube, etc.)
- the cable to couple to the transmitter meter
- the containment tank

TECHNICAL SPECIFICATIONS

TYPE	DOSING UNIT		
	MEDO XG6 + 140 L tank	METRIC 60 + 200 L tank	
TECHNICAL SPECIFICATIONS			
Dosing flow	L/h	0.7 to 7.1	0.075 to 60
Discharge counter-pressure	bars	7	10
Injection cadence	Shots/minute	180	120
Volume per shot		0.66	3.80
4-20 mA Input		yes	yes
BMS information		yes	yes
Product code		PK0027131	PK0002804

Price list on request - See general sales terms and conditions

INSTALLATION RECOMMENDATIONS



SUPPLEMENTS TO THE LINE: COLD WATER METERS

With a dry contact output to carry over pulses for proportional film generator dosage.

TYPE	Transmitter meter	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80
TECHNICAL SPECIFICATIONS								
Coupling diameter	inches	3/4" threaded	1" threaded	1 1/4 threaded	1 1/2 threaded	2" threaded	2 1/2 flanges	3" flanges
Rated flow	m ³ /h	2.5	3.5	6.0	10.0	15.0	25	40
K (L for 1 pulse)		1	1	1	1	1	50	50
Starting threshold	L/h	50	70	125	200	300	450	1200
Size (LxHxD)	mm	190x130x90	260x140x100	260x140x100	300x160x110	270x190x73	270x190x70	300x190x70
Weight	kg	2	2	2	5	13	19	27
Product code		P0005342DH	P0005325DH	P0005329DH	P0005355DH	P0005358DH	P0005320	P0005347

ACCESSORIES AND CONSUMABLES

NAME	Product code
Containment tank for jerricans	P0028011
60 L / 140 L containment tank	R0028011
2 drum containment pallet 1300 x 700 x 445 mm - W: 22 kg - 800 kg load	P0970664
IBC XL 1050 L containment	P0973267
Hot water injection pipe	P0028032

WATER CONDITIONING

LINE

SANITARY WATER, p. 123

PRODUCTS	Hardness	Antiscale	Corrosion	Disinfection
	°f			
AQUASIL	10 - 45	●●●	●●	
BWT FILM105	0 -20	●	●●●	
BWT DW-3002	N.A.			●●●

HEATING AND COOLING WATER, p. 126

PREVENTIVE	Application		Dispersant	Anti-scale	Corrosion
	Steel / copper	Aluminium			
BWT SH-1005	●●●	×	●●●	●●	●●●
BWT CC-1002	●●●	×	●●●	●●	●●●

ANTIFREEZE	Application		Protection - 25 °C	Corrosion
	Technical services	Approved for single exchange		
BWT GLYCOL N+	●●●		●●●	●●
BWT GLYCOL SANIT+	●●●	●●●	●●●	●●

CURATIVE (SLUDGE AND SCALE REMOVAL), p. 130

SCALE REMOVAL / CORROSION	Compatibility				Dispersant	Scale removal	Corrosion protection	Neutraliser	Cleaning food grade surfaces	Disinfectant
	Steel	Copper	Stainless steel	Aluminium						
BWT CP-4001	●●●	●●●	●●●	×	●●●		●●●	●●		
BWT NET CAL+	●●●	●	●●●	●●●		●●●	●		●●●	
BWT NET NEUTRA+	●●●	●●●	●●●	×	●			●●●	●●●	
BWT NET SANIT+	●●●	●●●		●●●						●●●

● Basic performance

●● Good performance

●●● Very good performance

× Incompatible

SPECIFIC TREATMENT INDUSTRIAL LINE FOR:

- **steam boilers:** industrial line on request
- **cooling towers:** industrial line on request
- **specific applications** on request

The instructions for use on our manuals and labels are drawn up using the official and private results that have proven to be the most effective in practice. They are not rules set in stone, but general recommendations that must be adapted to the specificities of all treatments due to the many factors that are beyond our control, such as the type of materials and the geometry of installations, water quality, dosing conditions, etc. Consequently we decline any liability as to the results and consequences of this adaptation: it is an initiative that is outside our control leaving the user to bear any risks inherent to the storage, use and handling of our products. Our liability is explicitly limited to the supply of controlled specialities that are legally authorised to be sold and compliant with their specifications.

AQUASIL

FILM GENERATING ANTI-SCALE AND CORROSION TREATMENT



APPLICATION

Anti-scale and corrosion protection for domestic hot water.

*The purpose of **BWT AQUASIL** is to fight scale and corrosion in domestic hot water production appliances and galvanised steel, looped, continuous flow distribution circuits in compliance with French DTU 60.1 and its addenda.*

***BWT AQUASIL** is used to treat water with a total alkalinity (ALK) of between 10 and 45 °f.*

SPECIFICATIONS

- **Appearance:** colourless liquid
- **Packaging:** 20 kg BiB, 1,000 kg jerrican
- **Density at 20°C :** 1.14 +/- 0.02
- **pure product pH :** > 12

USE

Dosage

BWT AQUASIL can be injected pure or diluted in softened water. It should be injected using a dosing unit proportionally to top up amounts.

Control

Measurement of treated water phosphates and silica content. Inspection of indicator sleeves. Monitoring of total iron content. In order for the treated water to be compliant with the applicable regulations, we recommend subscribing to a contract with our customer service to monitor treatment and carry out the required water analyses.

ADVANTAGES

- Full protection by a unique compound
- Simplified use thanks to its liquid formula
- A high concentration of active matter reducing treatment costs
- Compliant with regulations authorising the treatment of water for human consumption
- The AQUASANIT technique (use of the AQUASIL product) has obtained an ATEC technical approval from specialist group n°19 that can be viewed on the www.cstb.fr web site
- BWT is the holder of the AQUASANIT process technical approval

HANDLING - STORAGE - SAFETY

AQUASIL is a base product

In the event of contact between the pure product and the skin or eyes, rinse with plenty of water and get medical advice.

Store away from heat sources and acids.

For any information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

Item code

20 kg Bag in box

P0007091

Jerrican (1,000 kg)

P0007093

BWT FILM105

ANTISCALE AND CORROSION PROTECTION FILM GENERATING TREATMENT



APPLICATION

*The purpose of **BWT FILM105** is to fight scale and corrosion in domestic hot water production appliances and galvanised steel, looped, continuous flow distribution circuits in compliance with French DTU 60.1 and its addenda.*

SPECIFICATIONS

- **Appearance:** colourless liquid
- **Packaging:** 20 kg BiB, 200 L drum, 1,000 kg jerrican
- **Density at 20°C :** 1.16 +/- 0.02
- **pure product pH :** > 11

USE

Dosage

BWT FILM105 can be injected pure or diluted in softened water (TH ≤ 20°f). It should be injected continuously using a dosing unit proportionally to top up quantities.

The maintenance dosage should not be in excess of 100 ml/m³. These doses will only be effective if the water circuit is compliant with the terms of French DTU 60.1 addendum n°4 of February 1977.

Controls

Measurement of treated water phosphates and silica content. Inspection of indicator sleeves. Monitoring of total iron content. In order for the treated water to be compliant with the applicable regulations, we recommend subscribing to a contract with our customer service to monitor treatment and carry out the required water analyses.

ADVANTAGES

- Full protection by a unique compound
- Simplified use thanks to its liquid formula
- A high concentration of active matter reducing treatment costs
- Compliant with regulations authorising the treatment of water for human consumption
- The FILM105 technique (use of the BWT FILM105 product) has obtained an ATEC technical approval from specialist group n°19 that can be viewed on the www.cstb.fr web site
- BWT is the holder of the FILM105 process technical approval

HANDLING - STORAGE - SAFETY

BWT FILM105 is a base product.

In the event of contact between the pure product and the skin or eyes, rinse with plenty of water and get medical advice.

Store away from heat sources and acids.

For any information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING	Item code
20 kg Bag in box	P0007375
Drum (200 L)	P0009503
Jerrican (1,000 kg)	P0009505

BWT DW-3002

CONTINUOUS DISINFECTION OF SANITARY WATER

APPLICATION

BWT DW-3002 is a stabilised chlorine based liquid formula that has a wide spectrum of action on bacteria.

Its main use is in the framework of preventive or curative disinfection treatments of sanitary hot or cold water circuits (fight against legionella for example). It is a quick acting oxidiser.

SPECIFICATIONS

- **Appearance:** colourless to yellow, chlorinated odour
- **Solubility in water:** total
- **Packaging:** 200 kg drum, 20 kg jerrican , 1,000 kg jerrican
- **Density at 20°C :** 1.05 +/- 0.02
- **pH when pure:** >13

USE

Dosage

BWT DW-3002 must be injected pure using a dosage pump. The treatment consists in adding a sufficient dose of residual oxidant to the circuit to be treated.

The analysis of this residual is used to adjust the dosage depending on the circuit (time inside the circuit) and the contamination level.

Controls

Residual oxidant measurement: the required level generally varies between 0.2 and 1 ppm of free chlorine. However, stronger doses can be used in the framework of the shock disinfection of a highly contaminated circuit (contact us).

For optimum effectiveness and a control of the required and sufficient doses it is recommended to couple the injection of BWT DW-3002 to the continuous measurement of free chlorine in the treated installation using a BWT Servo 3 type PLC.

ADVANTAGES

- Algacide, bactericide and fungicide function using a unique compound
- Proven effectiveness against legionella
- Simplified use thanks to its liquid formula
- Biocide active material recommended by French circular DGS n°2002/243 of 22 April 2002 covering the fight against and prevention of legionella risks in sanitary water circuits

HANDLING - STORAGE - SAFETY

Basic and oxidising product.

Consequently, the customary precautions must be taken when handling (gloves, protective eye wear, clothing, etc.).

If in eyes, wash with plenty of water.

Store in its original, hermetically sealed packaging in a dry, ventilated area, sheltered from frost (temperature > 4°C) and acids.

For any information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

Item code

20 kg Jerrican	P0008143BWT
200 Kg drum	P0008144BWT
1,000 kg jerrican	P0008145BWT

BWT SH-1005

PREVENTIVE CORROSION TREATMENT FOR HEATING CIRCUITS

APPLICATION

BWT SH-1005 is based on sludge dispersal tannins, oxygen reducer and CO₂ neutraliser.

It protects against corrosion in steel heating circuits that may also have some copper parts. It is not compatible with aluminium.

Its fields of application are generally high volume heating circuits, superheated water and low pressure steam boilers.

SPECIFICATIONS

- **Appearance:** brown black liquid
- **Solubility in water:** total
- **Packaging:** 20 kg BiB, 200 kg drum, 1,000 kg jerrican
- **Density at 20°C :** 1.07 +/- 0.02
- **pH of the pure product :** >13
- **Character:** highly alkaline
- **Water miscibility:** total

USE

Dosage

BWT SH-1005 can be used pure or diluted in softened or demineralised water, either manually or using a dosing pump. The dosage varies depending on the operating conditions for each installation from 2 to 4 L/m³.

For all dosage choices, please refer to our specialist recommendations and to the boiler manufacturer recommendations.

Controls

- Tannin measurement
- Alkalinity measurement
- Visual inspection

ADVANTAGES

- Effective corrosion and anti-scale protection at low doses, independently of the oxygen content
- Prevents scale and sludge deposits and disperses them
- Simplified use thanks to its concentrated liquid formula
- Stable at high temperatures
- The presence of tannin allows a simple visual check of the dosage
- Protects steel and copper heating circuits (does not protect metals such as aluminium and its alloys, for which a pH below 9 is advised)

HANDLING - STORAGE - SAFETY

Base product.

Take the customary precautions (gloves, eye-wear, etc.) when handling.

Store away from frost and acids.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING	Item code
20 kg Bag in box	P0008320BIB
200 kg drum	P0008321BWT
1,000 kg jerrican	P0008322BWT

BWT CC-1002

PREVENTIVE CORROSION TREATMENT FOR COOLING SYSTEM CIRCUITS

APPLICATION

BWT CC-1002 is a liquid formula based on organic and mineral inhibitors for ferrous and copper metals.

It does not protect aluminium. It can be used in closed circuits (or circuits with low top-ups) filled with softened water or not.

It protects from corrosion and scale.

SPECIFICATIONS

- **Appearance:** clear to slightly yellow
- **Packaging:** 20 kg BiB, 200 kg drum, 1,000 kg jerrican
- **Density at 20°C :** 1.12 +/- 0.02
- **pH when pure:** 11.5 +/- 0.5

USE

Dosage

BWT CC-1002 can be injected pure or diluted in softened or demineralised water, either manually or using a dosing pump. The BWT CC-1002 complex can be superdosed at commissioning to provide a preparatory phase to film the surfaces to protect.

Controls

Phosphate and/or molybdate measurement.

ADVANTAGES

- Effective corrosion and anti-scale protection at low doses, independently of the oxygen content
- Simplified use thanks to its liquid formula
- Dispersal effect on deposits and corrosion present before the treatment
- Compatible with anti-freeze products such as BWT GLYCOL N+ or SANIT+

HANDLING - STORAGE - SAFETY

Alkaline product.

Take the customary precautions (gloves, eye-wear, etc.) when handling.

Store away from frost and acids.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

Item code

20 kg Bag in box	B0007297BIB
200 kg drum	B0007298
1,000 kg jerrican	B0007299

BWT GLYCOL N+

ALL PURPOSE ANTI-FREEZE FOR CLOSED CIRCUITS

APPLICATION

BWT GLYCOL N+ protects HVAC circuits from frost and limits the corrosion of the metals that are present such as aluminium, steel, copper and its alloys, welds, by forming a protective film and by neutralising the acidity that is likely to form in this environment.

Its synthetic dispersants delay the deposit of scale and disperse it.

Its field of application is generally in heat or cold transport circuits with no zinc or galvanised steel elements.

ADVANTAGES

- Easy-to-use liquid anti-freeze, anti-scale and corrosion product
- High alkaline reserve for better stability at high temperatures and over time
- Amine and nitrite free treatment
- Compatible with all SoluTECH and BWT line products

HANDLING - STORAGE - SAFETY

Product classified as toxic when swallowed.

Product not classified for transport.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

SPECIFICATIONS

- **Appearance:** red liquid
- **Packaging:** 20 kg BiB, 210 L drum, 1,000 L jerrican
- **Density at 20°C :** 1.11 +/- 0.02
- **pure product pH :** 8.0 +/- 0.5

USE

Dosage

Corrosion protection is ensured for a concentration of 30% or more in volume of BWT GLYCOL N+, independently of the required frost protection. BWT GLYCOL N+ can be used pure directly in the circuit, or diluted (preferably in softened water).

Best practices always recommend cleaning prior to installation (even new) to avoid the formation of sludge by the detachment of the oxides and scale pre-existing in the circuit.

Controls

Freezing point, inhibitor content.

CONDITIONING

Item code

20 kg Bag in box	P0009645BIB
210 L drum	P0009646A
1,000 L drum	P0009647A

BWT GLYCOL N+ (% in volume)	15%	20%	25%	30%	35%	40%	45%	50%
Anti-freeze protection (+/- 2°C)	-7°C	-9°C	-13°C	-16°C	-21°C	-27°C	-32°C	-39°C

BWT GLYCOL SANIT+

ALL PURPOSE ANTI-FREEZE FOR CLOSED CIRCUITS

APPLICATION

BWT GLYCOL SANIT+

protects HVAC circuits from frost and limits the corrosion of the metals that are present such as aluminium, steel, copper and its alloys, welds, by forming a protective film and by neutralising the acidity that is likely to form in this environment. Its synthetic dispersants delay the deposit of scale and disperse it. Its field of application is generally in heat or cold transport circuits (heating and cooling systems) with no zinc or galvanised steel and High Pressure PVC elements.

Formula authorised for single exchange.

ADVANTAGES

- Easy-to-use liquid anti-freeze, anti-scale and corrosion product
- High alkaline reserve for better stability at high temperatures and over time
- Amine and nitrite free treatment
- Compatible with inhibitors contained in SoluTECH and BWT line products
- BWT GLYCOL SANIT+ is on list A of heat transporting fluids authorised on thermal treatment installations for water for human consumption operating using single exchange – Reference n°2011-SA-0182

HANDLING - STORAGE - SAFETY

Does not require hazard labelling.

Product not classified for transport health or environment.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

SPECIFICATIONS

- **Appearance:** blue liquid
- **Packaging:** 20 kg BiB, 210 L drum, 1,000 L jerrican
- **Density at 20°C :** 1.05 +/- 0.02
- **pure product pH :** 7.5 +/- 0.5

USE

Dosage

Corrosion protection for the circuit is ensured for a minimum concentration of 30% by volume of BWT GLYCOL SANIT+, independently of the required frost protection.

BWT GLYCOL SANIT+ can be used pure directly in the circuit, or diluted, preferably in softened water.

Best practices always recommend cleaning prior to installation (even new) to avoid the formation of sludge by the detachment of the oxides and scale pre-existing in the circuit.

Controls

Freezing point, inhibitor content.

CONDITIONING	Item code
20 kg Bag in box	P0009605BIB
210 L drum	P0009606A
1,000 L drum	P0009607A

BWT GLYCOL SANIT+ (% in volume)	15%	20%	25%	30%	35%	40%	45%	50%	60%
Anti-freeze protection (+/- 2°C)	-5°C	-7°C	-10°C	-13°C	-18°C	-23°C	-29°C	-34°C	-51°C

BWT CP-4001

CURATIVE SLUDGE TREATMENT FOR HEATING CIRCUITS

APPLICATION

BWT CP-4001 is a liquid formula based on phosphating and alkalinising products as well as synthetic organic polymers that are used to:

- make the circuit water alkaline to favour the detachment and dissolving of deposits and oxides
- disperse the precipitated particles to evacuate them at the purge level
- create a high strength passivation film for better future corrosion treatment effectiveness.

BWT CP-4001 is not compatible with aluminium and its alloys.

ADVANTAGES

- Concentrated, ready-to-use, liquid product
- Stability over time and resistance to temperature
- Effective for the dispersal of iron oxides, hardness and silica

HANDLING - STORAGE - SAFETY

Alkaline product.

Take the customary precautions (gloves, eye-wear, etc.) when handling.

Store away from frost (temperature > 4°C) and acids.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

SPECIFICATIONS

- **Appearance:** clear to pale yellow liquid
- **Packaging:** 20 kg BiB, 250 kg drum
- **Density at 20°C :** 1.19 +/- 0.02
- **pure product pH :** 11.9 +/- 0.5
- **Solubility in water:** complete

USE

Dosage

BWT CP-4001 can be injected manually, either pure or diluted.

The dosage depends on the amount of sludge in the circuit and the type of materials to be treated. Generally a dosage of 3 to 4 L/m³ is recommended to clean and disperse sludge.

Purges should then be increased to favour the evacuation of the dispersed deposits. The combined use with a magnetic clarifier filter is also recommended to complement its sludge dispersal action.

The product should not be used in circuits containing elements that have low or no resistance to alkalinity (certain types of seal for example, or parts including aluminium or its alloys, for which a pH strictly lower than 9 is advised).

Controls

Visual inspection, phosphate or acrylate analysis.

CONDITIONING

Item code

20 kg Bag in box

P0008570BIB

250 kg drum

P0008571BWT

BWT NET CAL+

SCALE REMOVER AND MULTI-METAL DE-OXIDISER

APPLICATION

Cleaning clogged or scaled circuits

The **BWT NET CAL+** reagent is used to eliminate scale deposits from all installations: sterilisers, boilers, exchangers, superheaters, condensers, tanks, washing machines and dishwashers...

It can be used on cast iron, steel, Rilsan® coated steel, enamelled steel (acid resistant), aluminium, chrome, lead and stainless steel

SPECIFICATIONS

- **Appearance:** clear liquid
- **Packaging:** 20 kg BiB, 200 kg drum, 1,000 kg jerrican
- **pure product pH :** 1.2 +/- 0.5
- **Density :** 1.12 +/- 0.02
- **Solubility in water:** complete

USE

Dosage

For scale, dilute BWT NET CAL+ at 10% (1 volume of reagent for 9 volumes of water). To reduce the cleaning time the product can be used at 20%.

Usable cold, the anti-scale treatment process is faster hot (40-50°C).

- 1 • Introduce and circulate the reagent in the opposite direction to the normal water flow using an anti-scale pump such as SoluTECH EASYFLOW by Grundfos
- 2 • Leave to operate by maintaining the flow (foam may form)
- 3 • Following the cleaning which must not last longer than 24 hours, neutralise the effluent using BWT NET NEUTRA+ and drain
- 4 • Rinse with plenty of water, then passivate the installation using a 5% solution of BWT NET NEUTRA+ and put back into service

ADVANTAGES

- Product concentrated in active matter, reducing quantities used and treatment costs
- Compliant with French order of 8th September 1999 covering the cleaning of materials and objects intended to come into contact with foodstuffs
- Dissolves scale and iron oxides
- Compatible with most usual metals and elastomers

HANDLING - STORAGE - SAFETY

Acid product

Consequently, the customary precautions must be taken when handling (gloves, protective eye wear, clothing, etc.).

If in eyes or on skin, wash with plenty of water.

Store in its original, hermetically sealed packaging in a dry, ventilated area, sheltered from frost (temperature > 4°C) and away from base products.

For closed circuits, provide a vent in the upper part of the circuit to favour degassing.

The action of BWT NET CAL+ induces a risk of foam formation

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

Item code

20 kg Bag in box	P0007656
200 kg drum	P0007657
1,000 kg jerrican	P0007658

BWT NET NEUTRA+

NEUTRALISING, PASSIVATING AND DEGREASING

APPLICATION

Neutralisation following scale removal or circuit passivation.

The **BWT NET NEUTRA+** reagent is an alkaline formula used to passivate metal surfaces to protect them from corrosion. It is also used to neutralise chemical scale removers used in curative operations.

The use of **BWT NET NEUTRA+** is possible on all metals (except aluminium) and in a domestic hot water context.

SPECIFICATIONS

- **Appearance:** clear liquid
- **Packaging:** 20 kg BiB, 250 kg drum, 1,000 kg container
- **pure product pH :** > 14
- **Density :** 1.17 +/- 0.02
- **Solubility in water:** complete

USE

Dosage

BWT NET NEUTRA+ is injected and put into circulation using anti-scale pumps such as SoluTECH Easyflow by Grundfos.

It is used diluted to 5% (1 volume BWT NET NEUTRA+ for 19 volumes of water).

BWT NET NEUTRA+ is usually used for a few minutes and, for large installations for 1 or 2 hours.

BWT NET NEUTRA+ must not be injected into the circuit if it still contains the scale removal acid product: the circuit must be drained and rinsed before injecting BWT NET NEUTRA+.

After treatment, rinse and fill the installations with water immediately. For passivation, the circuit pH must be checked. It must be maintained at a value higher than 9.

If necessary, add BWT NET NEUTRA+ to reach this protective value.

The product should not be used in circuits containing elements that have low or no resistance to alkalinity (certain types of seal for example, or parts including aluminium or its alloys, for which a pH strictly lower than 9 is advised).

ADVANTAGES

- Product concentrated in active matter, reducing quantities used and treatment costs
- Compliant with French circulars of 28 March 2000 and 7 May 1990 on water treatment products and processes for water for human consumption: suitable for cleaning surfaces in contact with food and for sanitary circuits
- Neutralises acidity following chemical scale removal
- Passivates metal surfaces by forming a protective film
- Does not colour the water
- Perfectly stable at high temperatures

HANDLING - STORAGE - SAFETY

Base product.

Consequently, the customary precautions must be taken when handling (gloves, protective eye wear, clothing, etc.).

If in eyes, wash with plenty of water. Store in its original, hermetically sealed packaging in a dry, ventilated area, sheltered from frost (temperature > 4°C) and acids.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

	Item code
20 kg Bag in box	P0007913
250 kg drum	P0007914
1,000 kg jerrican	P0007915

BWT NET SANIT+

SHOCK TREATMENT DISINFECTANT

APPLICATION

BWT NET SANIT+ is a disinfectant alkaline solution based on sodium hypochlorite (bleach), authorised as a disinfectant for potable water for human and animal consumption (TP 5).

It is not recommended for stainless steel.

BWT NET SANIT+ is generally used for preventive or curative shock disinfection of circuits for human consumption (cold water and domestic hot water).

It is a powerful quick acting biocide oxidiser.

SPECIFICATIONS

- **Appearance:** yellow to green liquid, stinging odour
- **Packaging:** 1 kg or 5 kg bottle, 20 kg jerrican
- **pure product pH :** > 11
- **Density :** 1.20 +/- 0.05
- **Solubility in water:** complete
- **Concentration of active chlorine :** > 12%

USE

Dosage

As preventive treatment, or in the context of disinfection before commissioning of an installation, its dosage is between 0.1 and 1 litre per m³ for minimum contact times of 1 to 2 hours.

For curative sanitary disinfection, the dose used is to be adapted to the required contact time (contact us).

Controls

During disinfection: measurement of free chlorine content and total chlorine content at outlets.

ON completion of the disinfection: bacteriological analysis.

ADVANTAGES

- Product highly concentrated in active matter, reducing quantities used and treatment costs
- Product authorised for the disinfection of potable water (TP5) and surfaces in contact with food (TP 4)
- Compliant with French circulars of 28 March 2000 and 7 May 1990 covering products and processes for water for human consumption
- Biocide active material recommended by French circular DGS n°2002/243 of 22 April 2002 covering the fight against and prevention of legionella risks in sanitary water circuits
- Proven effectiveness against legionella

HANDLING - STORAGE - SAFETY

Basic and oxidising product.

Consequently, the customary precautions must be taken when handling (gloves, protective eye wear, clothing, etc.).

If in eyes, wash with plenty of water. Store in its original, hermetically sealed packaging in a dry, ventilated area, sheltered from frost (temperature > 4°C) and acids.

For more information about precautions for use, product related hazards, protection equipment required to handle the product and product toxicology, please refer to the Safety Data Sheet (SDS) available on www.msds-sys.net

CONDITIONING

Item code

1 kg bottle

P0007650

5 kg bottle

P0007651

20 kg jerrican

P0007652



WHY USE BWT SERVICES?

Water treatment is only optimal when it is sustainable, sure and always 100% effective.

This is why BWT offers a set of specific services, guaranteeing performance.



SERVICES

→ **By accompanying you, BWT** provides you with advice, safety and the guarantees you need for your water treatment issues and installations.

- BWT CENTRAL LABORATORY SERVICES **136**
- REGIONAL TECHNICAL SERVICES **138**
- SERVICES FOR CIRCUITS FOR HUMAN CONSUMPTION **140**
- SERVICES FOR HVAC CIRCUITS **142**

BWT CENTRAL LABORATORY SERVICES

→ To monitor all circuits and water treatments, BWT has a central laboratory to analyse your water samples.



→ **8** people

→ Over **50** analysis parameters

→ **50 000** samples analysed per year

→ Certified **ISO 9001**

OUR MISSION

To give you a clear and professional answer: reliable, validated results and a explanatory comment to accompany your analysis results.

ANALYSIS APPLICATIONS

- **Monitoring of technical or industrial circuits** (heating, cooling systems, change over, cooling circuits)
- **Circuit audit** for troubleshooting purposes or to support your quotations
- **Tracking progress of and validating curative operations** (scale removal, sludge removal, decontamination)
- **Validation** (site delivery reports, for your cleaning operations before commissioning)
- **Validation and monitoring of preventive treatments on all circuits** (heating, domestic hot water, industrial circuits, etc.)
- **Troubleshooting problem circuits** (sludge, corrosion, scale, bacterial contamination)

Services adapted to your needs

From a basic check to a full audit, either self-service or fully organised with sample-taking by our technical teams: all possibilities are available.

- **Prepaid analysis postal kit:** for domestic and collective HVAC circuits (see pages 112 and 113)
- **Occasional analyses:** on request, with or without sample-taking by our technical teams. To monitor your installations Including a detailed explanatory report
- **On site audit:** bespoke service for a full audit of collective installations or industrial applications.
- **Analysis contract:** a complete and regular service, combined or not with the maintenance of your water treatment equipment



SERVICES PROVIDED	ASSOCIATED SERVICE
Water analysis on HVAC circuits (heating, cooling systems, change-over, etc.)	Physical-chemical diagnosis of the installation, determination of the levels of scale deposits, corrosion and sludge deposits. <i>Associated curative and preventive treatment recommendations</i>
Water analysis for domestic hot water circuits	Physical-chemical diagnosis of the installation, determination of the protection level, check of the compliance of the treatment with CSTB recommendations (Atec). <i>Associated curative and preventive treatment recommendations</i>
Glycol circuit analysis	Diagnosis of the quality of the circulating heat transporting fluid, state of glycol deterioration, resistance to freezing and corrosion, sludge deposit level. <i>Associated curative and preventive treatment recommendations</i>
Analyses of ion exchange resins (softening, decarbonation, demineralisation)	Diagnosis of the condition of the ion exchange resins, the level of soiling, search for pollutants. <i>Associated curative and preventive treatment recommendations</i>
Deposit analyses	Physical-chemical analyses of mineral and organic deposits, elementary composition. <i>Assistance in selecting a cleaning technique</i>
Bacteriological analyses	Performance of potability analyses, legionella counts or any other bacteriological issues. Service subcontracted to COFRAC certified laboratories. <i>Curative or preventive disinfection treatment recommendations.</i>

REGIONAL TECHNICAL SERVICES



→ **Water treatment** is only optimal when it is sustainable, sure and always 100% effective. This is why our BWT Service teams accompany you to offer:

- **National (France) and international coverage** with over 130 specialised technicians, engineers and assistants
- **Optimised interventions** by qualified and recognised professionals
- **Personalised contracts** adapted to your needs
- **Advice and expertise** for your water treatment issues
- **Stocks of spare parts** and consumables (central or regional stock)

Our service offers

Maintaining water quality, protecting equipment, maintaining building energy performances:
BWT provides solutions to your needs adapted to your water treatment installations.

- Commissioning installations
- Servicing and maintenance contract proposals
- Installation maintenance
- Sanitary circuit disinfection
- Operational assistance
- Training in the use of the equipment
- Spare part and consumable service

Your BWT Sales technician is always available to discuss your needs and propose suitable services.



MAINTENANCE OF THE WATER TREATMENT STATION

Our regional technical teams provide equipment servicing operations:

- Commissioning
- Repair
- Spare parts
- Maintenance contracts

EQUIPMENT HIRE

Your regional BWT branches have a complete range of equipment on hire.

Hire can be for a fixed period or using a hire-purchase agreement.

The range in stock includes*:

- **Softening units:**
softening frames from 2 to 25 m³/h
- **Reverse osmosis skids:**
reverse osmosis units from 100 l/h to over 10 m³/h
- **Process water filtering stations:**
medical, HVAC circuits, etc.
- **Disinfection stations**
- **Other equipment on request**

* Depending on the availability of equipment for hire

SERVICES FOR CIRCUITS FOR HUMAN CONSUMPTION

→ BWT offers a full range of associated services to guarantee the quality of your water for human consumption and compliance with applicable regulations.



PREVENTIVE DISINFECTION

In order to comply with regulations* covering the delivery of new installations and to protect you from the risk of biofilm growing in your circuits, BWT proposes preventive disinfections to limit and prevent contamination by legionella and other bacteria.

Preventive operations:

- Annual servicing disinfection of production and distribution equipment (tanks, exchangers, storage)
- Installation of continuous or discontinuous disinfection equipment adapted to your installations
- Traceability of operations (records and intervention reports)

The disinfection operation:

- Regulatory rinsing and disinfection
- Validation analyses by a COFRAC approved independent laboratory
- Disinfection certificate

* Applicable regulations:

French decree n°2007-49 of 11 January 2007 article 1 XXV Journal Officiel of 12 January 2007:

"Circuits and installations must be drained, cleaned, rinsed and disinfected before any commissioning or re-commissioning, along with the tanks they are fitted with, at least once per year. "

French circular n°2002/243 and order of 1st February 2010 for establishments open to the public:

"The manager of the said installations must implement the monitoring of the installations in order to check that the listed thresholds are permanently complied with at all the at-risk usage points."



Biological analysis services (COFRAC)

In order to establish whether your circuit is contaminated or not, or to make sure disinfection has been successful, samples are taken and bacteriological analyses (legionella) carried out on the circuit or circuits by a COFRAC accredited independent laboratory.

This contractor is managed by BWT and guarantees the total transparency of the results and analysis using a certified protocol.

CURATIVE DISINFECTION

In the event of a proven contamination of your circuits, cold water, domestic hot water, technical circuits, a spot disinfection is required. Regulations* imply that immediate curative action is required if regulatory thresholds are exceeded.

Following expertise, BWT will take charge of:

- Implementing a decontamination treatment
- The issue of a disinfection certificate
- The COFRAC bacteriological analyses
- The proposal of a preventive approach

* Applicable regulations:

French circular n°2002/243 and order of 1st February 2010 for establishments open to the public:

“Legionella Pneumophila counts must be less than 1,000 colony forming units per litre at all the at-risk usage points, and less than the detection threshold (< 250 CFU/L) in healthcare establishments (...). When these thresholds are not complied with, the installation manager must take immediate corrective measures to re-establish water quality and the protection of users.”

DTU COMPLIANCE AUDIT AND LEGIONELLA RISK ADVICE

The control of your circuits, their correct operation and their service life requires an installation compliant with the (French) DTU and good connection practices applicable to the different water treatment appliances.

BWT has developed this service to accompany you in:

- Advice on the compliance of your installation with applicable health regulations (design, installation, operation, monitoring, DTU 60.1 – sanitary plumbing (in France)).
- Advice on the compliance of your installation with applicable health regulations (design, installation, operation, monitoring).
- Good practices for the installation and set-up of water treatment equipment
- The means of combating the growth of legionella in domestic hot water circuits
- The implementation of solutions to limit scale deposits and corrosion in domestic hot water circuits

SERVICES FOR HVAC CIRCUITS

Analytical circuit checks

BWT accompanies you:

- Analytical monitoring inspection
- Diagnosis
- Prescription
- Advice



BWT analysis services allow to monitor your circuit quality and recommend the best treatment:

- Analysis of HVAC circuits / heat transport fluid circuits (glycol water, etc.), technical water (cooling circuits, steam production, process)
- Ion balances
- Analysis of ion exchange resins (softening, decarbonation, demineralisation)
- Analysis of deposits and cleaning advice
- Analysis of corrosion samples
- Digital video-endoscopy
- Drawing up of intervention procedures, prevention plans, user manuals and log books.
- etc.

The services are provided by the BWT laboratory (see page 137)

WASHING AND PASSIVATION OF NEW CIRCUIT SERVICE

Before starting up an HVAC circuit (heating, cooling systems, change-over, glycol circuit), the circuit must be washed and then passivated using a suitable product to eliminate all traces of installation deposits and residues and prevent the formation of corrosion and sludge during the first weeks following final commissioning.

BWT expertise includes the supply of products, the implementation of the products according to established protocols, a full analysis and an end of washing operation report.

***Advice:** A yearly check, carried out at the same time as the annual boiler servicing for example, is recommended and will make it possible to complete the preventive treatment dosage if the circuit is topped up during its service life, thereby preventing any drift.*



SLOW OR FAST SLUDGE REMOVAL DIAGNOSIS AND ADVICE

Beyond the supply of treatment products and basic usage advice, BWT accompanies you globally with a diagnosis of your installation and the eventual sludge removal operations to be planned via a network of approved partners.

SUPPLY OF GLYCOL, GLYCOL INJECTION AND DISPOSAL MANAGEMENT

BWT will manage 100% of the conditioning of your glycol circuits:

- The analysis of your specifications and a pre-works visit to draw up a suitable service proposal
- Recovery of the used glycol if necessary, its processing and destruction by an approved processing centre with traceability (Waste tracking documents)
- The supply and installation of glycol in your circuits by a truck fitted with a pump: the glycol is prepared and diluted and then injected into your circuits. Our anti-freeze products all contain corrosion and scale inhibitors as well as a high alkaline reserve and a colouring agent
- Sample-taking and analysis and supply of a certificate

2017 GENERAL SALES TERMS AND CONDITIONS

I. APPLICATION OF THE GENERAL SALES TERMS AND CONDITIONS – APPLICABILITY

- These General Sales Terms and Conditions apply to all purchase orders from Clients located in Metropolitan France to BWT France for the products it sells.
- All acceptance by the Client of proposals or offers or quotations, and purchase orders, imply the acceptance of these General Sales Terms and Conditions without reserve and excludes all Client general and special terms and conditions of sale. These General Sales Terms and Conditions are the single basis for commercial negotiations and cannot be modified or set aside by terms to the contrary that may feature on Client purchase orders or in their general purchasing terms and conditions, and will prevail in the event of a contradiction. The failure to comply with any terms contained in these terms and conditions will not constitute a renoucement to apply them in the future.

II. PRICES / PRICE LISTS

- The prices are those applicable when the order is confirmed. They are given in Euros, excluding VAT, excluding customs duties, packed and ex-our main BWT France warehouse, except where special provisions are stipulated in the contract. They are invoiced according to the terms and conditions of the contract. For export orders our prices are quoted EXW Saint-Denis.
- Possible discounts are set out in the special terms and conditions of sale specific to the market segment in question such as were set out or likely to be at the request of the Client.
- Prices correspond exclusively to the products and services specified in the offer.
- Prices announced to the Client can be freely modified by BWT France. The Client will be notified of any price changes four weeks before the changes become applicable.
- The prices and information that feature in documents, catalogues and/or prospectuses that may be issued by BWT France are given for purely informational purposes; only the pricing terms applicable on the day of the purchase order are valid.

III. ORDER TAKING - ORDER ACCEPTANCE

- Any order of a total of less than 150 € excluding VAT will be subject to the applicable administrative fees.
- Except where otherwise stipulated, offers and estimates remain valid for a period of one month from their date of issue.
- The order includes precisely and only the equipment specified in the estimate.
- Purchase orders are subject to acceptance by BWT France and only become final through this acceptance.
- BWT France reserves the right to refuse purchase orders if the Client fails to fulfil any of its duties and, more generally, to refuse any purchase orders that seem abnormal in any way or purchase orders made in bad faith.
- BWT France furthermore reserves the right to suspend, cancel, delay or modify the performance of their duty to deliver without entitling the Client to any claims in the 2 following cases:
 - If the state of available stocks, determined according to supplies of raw materials, production processes and quality standards prevents this duty from being carried out for a period in excess of 2 weeks (long out-of-stock situation)
 - In the event of the occurrence of a force majeure event, or an event outside the control of BWT France, including, but not limited to strikes, accidents, disasters occurring on the premises of one of our contractors that prevent the normal fulfilment of the purchase order.
- Concerning special offer orders (not in the general price list) BWT France requests its clients to communicate their firm orders 8 weeks before the required delivery date. It considers that promotional operations are optimised when the quantities delivered under the offer for this operation are as close as possible to the quantities purchased by consumers during the duration of the offer. As a result, BWT France reserves the right to only partially deliver the ordered quantities if they are not optimised.
- All modifications to a purchase order requested by the Client will be subject to the acceptance of BWT France and may result in the modification of the initial delivery lead time.
- The purchase order expresses the Client's irrevocable consent they cannot therefore cancel it except in the case of the prior and explicit agreement of BWT France. In that case, the Client will compensate BWT France for all costs incurred and for any direct or indirect consequences resulting therefrom. In all cases, the deposits and payments already made to BWT France will be deemed our entitlement.

IV. STATUS OF ORDERED PRODUCTS

- Products delivered comply with the technical regulations applicable to them and with technical standards.
- BWT France reserves the right at any time to make any modifications with respect to layout, shape, dimensions or material to our devices, machines and machine elements described in our catalogues or brochures.

Safety data sheets for chemical products are available on the internet at the following address: www.msds-sys.net

- The Client is responsible for operating the product under the operating conditions set out in the specification sheet and in compliance with current safety and environment laws applicable at the site of operations and with acknowledged rules of technology in their activity. It is incumbent on the Client to draw up a specification sheet appropriate to their technical requirements and if necessary to make sure of the appropriateness of the product for the planned application.

V. DELIVERY – RETURNS

- Except where otherwise agreed, deliveries are considered to be on an ex-works or ex-warehouse basis. The delivery is made, either by direct delivery to the Client, by notice of availability for collection, by delivery in BWT France plants or warehouses to a forwarding agent or carrier designated by the Client or, failing that designation, one selected by BWT France.
- In all cases, transport costs are exclusively borne by the Client at the price applicable on the date of the purchase order.
- Where the Client has ordered the carriage and accepts the cost thereof, the Client will bear the cost of all pecuniary consequences of any direct action taken against us by the carrier.
- In the event of the Client not taking delivery, without recourse to an injunction, the latter will bear the cost of, and accept the risks for, the storage of the supplies. In spite of that the scheduled payment dates cannot be postponed.
- The agreed lead time is indicated on the purchase order.
- The Client is responsible for and bears the cost of all carriage, insurance, customs clearance, handling and on-site delivery operations, and it is incumbent on them to check consignments on arrival and if necessary undertake proceedings against the carrier, even if the consignment was carriage paid.
- Delivery lead times are given as an indication, eventual late deliveries do not entitle the Client to cancel the purchase order. It is not possible to cancel assigned transport.
- All returns of non-defective products are subject to a prior written agreement between BWT France and the Client. All products returned without this agreement will be rejected and returned to the Client. Credit notes will not be issued for these products.

In the event of an agreement, carriage costs will always be borne by the Client and the returned products will travel at the risks and perils of the Client.

- Equipment must be returned in its original packaging and must not have been altered. All product returns accepted by BWT France will generate the issue to the Client of a credit note once BWT France has checked the quantities and quality of the returned products. The credit note amount will be the purchase price minus an amount charged for administrative processing that cannot exceed 15% of the product purchase price.

VI. STORAGE AND LIABILITY

In the case of proven product defects, the liability of BWT France cannot, under any circumstances, exceed the replacement of the said defective products (exclusion of any compensation for any reasons). The Client undertakes to store and keep the products in compliance with regulations as indicated on the product labels.

- The return of the defective goods will only be accepted by BWT France in the case of a proven defect, the origin of which can be traced back to BWT France. The BWT France warranty is limited to the normal use of the products under the conditions corresponding to their technical specifications and the recommendations for use of which the Client acknowledges it is aware. Claims cannot justify the failure to pay for the goods.
 - BWT France's liability will be limited to material damage directly suffered by the Client resulting from faults attributable to us in the performance of the contract.
- Under no circumstances whatsoever will BWT France be bound to compensate for immaterial or indirect damage such as: operating losses, profit losses, opportunity losses, commercial harm, loss of earnings.
- BWT France cannot be held liable if the products are stored in abnormal conditions or conditions incompatible with their type.
 - If BWT France was to recall one or more of its products, the Client undertakes to provide its full cooperation.

VII. WARRANTY

- The products sold by BWT France are compliant with the required specifications and with the applicable legislation and/or regulations and/or standards and are guaranteed against any manufacturing defects.
- All eventual product defects, or findings of non-compliant or missing products must be notified to BWT France by the Client within eight days of the receipt of the products, in the form of a written notification sent by registered letter with acknowledgement of receipt.
- The products are guaranteed against all material or manufacturing defects for one year from the date of delivery.

This warranty is limited to the repair and replacement of the product or element acknowledged as being defective.

Eventual carriage costs are borne by the Client.

- Defects and deterioration caused by an external accident, incorrect handling, defective maintenance, unplanned modifications or normal wear and tear are excluded from this warranty.

VIII. PAYMENT - METHODS OF PAYMENT

- Each purchase order is the subject of an invoice.
- Payment terms and conditions are defined in the special terms and conditions. However, payments will be made at the latest on the 60th day following issue of the invoice.
- In the event of regular invoices, the maximum payment deadline is 45 days net from the invoice issue date.
- In the case of deferred payment, only the settlement of the payment at the agreed date constitutes payment, the mere handing over of a commercial paper or cheque does not do so. The payment by cheque of a down payment of 30% may be required of the purchaser in the case of a major order.
- In the case of off-invoice discounts for anticipated payment, (limited to 0.25% per month) the amount of deductible VAT must be reduced by the sum of the VAT pertaining to the discount.
- In the case of payment by draft, the latter must be returned with acceptance within 7 days of its issue.
- The due dates featured on the invoices are not modifiable. In compliance with the terms of article L 441-6 of the French Code of Commerce, the failure to pay on a due date will generate penalties payable starting on the day following the due date featured on the invoice without any other formalities. Thus will be due:
 - Late payment interest equal to three times the legal interest rate
 - A fixed indemnity for debt collection costs of 40 €
 - The payment of additional compensation based on documentary evidence.
- Payments cannot, under any circumstances, be suspended or be the subject of any compensation applied at the Client's initiative without the prior written acceptance of BWT France.

IX. OWNERSHIP CLAUSE

Products are sold with an ownership clause until full payment of the price. Until payment, the products are in the custody of the Client which will bear the risks whatever their type. In the event of non-payment, and without losing any entitlements, BWT France may require the return of the products at the expense and risks of the Client, who will proceed to do so, by sending a registered letter with acknowledgement of receipt. In the event of a claim, the products found in stock will be considered to be the subject of the last invoice and will therefore be repossessed to the order of the amount due. The Client undertakes to allow BWT France free access to its premises to inventory the stock of goods.

The Client must notify BWT France in a timely manner of all seizures or initiatives by third parties that could compromise its ownership rights and of all collective proceedings so that BWT France may claim the products before the expiry of any deadlines.

The Client undertakes to take out an insurance policy for the benefit of BWT France covering total or partial loss risks, damage, loss or theft of the products until they are fully paid by the Client. In the event of an insurance claim, BWT France will be subrogated to the Client's rights for the purposes of the insurance.

X. INTELLECTUAL PROPERTY

No BWT France Client may use the brands, logos, documents or any other intellectual property rights belonging to our Group, or of which BWT France has the benefit, without the explicit, written and prior agreement of our group, and only for the purpose of promoting the resale of products sold by BWT France under the normal conditions of its activity.

XI. JURISDICTION - GOVERNING LAW

In the event of a dispute or any claim relating to the formation or fulfilment of a purchase order, the Bobigny (France) courts will have sole jurisdiction, notwithstanding any special terms agreed between the Parties.

This clause applies to emergency proceedings, interlocutory applications, multiple defendants and in the event of an international dispute.

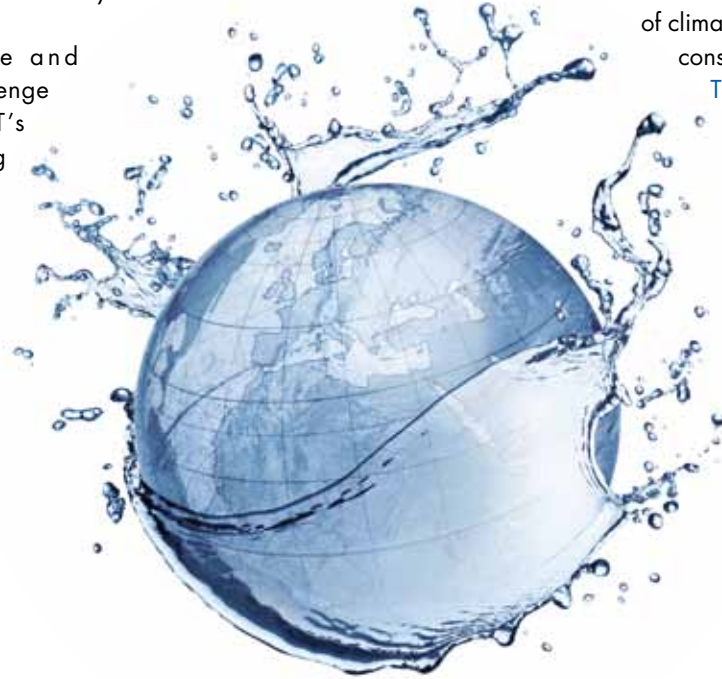
These General Terms and Conditions are governed by French law.



BWT — The group

The Best Water Technology group was created in 1990. Today it is the European water treatment leader, with 3,600 employees spread over 25 countries, including on other continents. BWT has also built a solid network of partner companies, distributors, installers, decision makers, service providers, industrials, etc. Thanks to which BWT's presence is not only defined by its international sites. We also undertake to provide increasing proximity, reactivity and availability.

Water is everywhere and constitutes a major challenge for our societies. BWT's proven and innovating solutions meet these challenges by proving their effectiveness on a daily basis. They bring their benefits to a building water inlet or to an industrial process; this is what we call the "Entry point". BWT has also developed products that act at the exact point



where the water is drawn; this is the "Point of use".

Within BWT, Research and Development teams continuously work on new concepts, with the prime objective of offering our clients solutions that are both ecological and economic. Energy consumption and CO₂ emission control is at the core of the BWT mission, and we must further guarantee maximum hygiene and safety for people's daily contacts with water. This is why

BWT has multiplied innovations in the treatment of climatic system circuits, water for human consumption and process water.

This is all summed up by our slogan: BWT – For You and Planet Blue. It is up to us to take this ecological, economic and social responsibility to provide our clients with the best products and services in all domains of water treatment, to contribute in this way to effectively protecting the resources of our Blue Planet.



For You and Planet Blue.

Your sales contact: