Commercial Technology 2026



One

Pipe Pearlwater

Solution for
Best Building
Technology

For You and Planet Blue.

BWT
BEST WATER TECHNOLOGY

BWT Europe's Leading Water Treatment Company

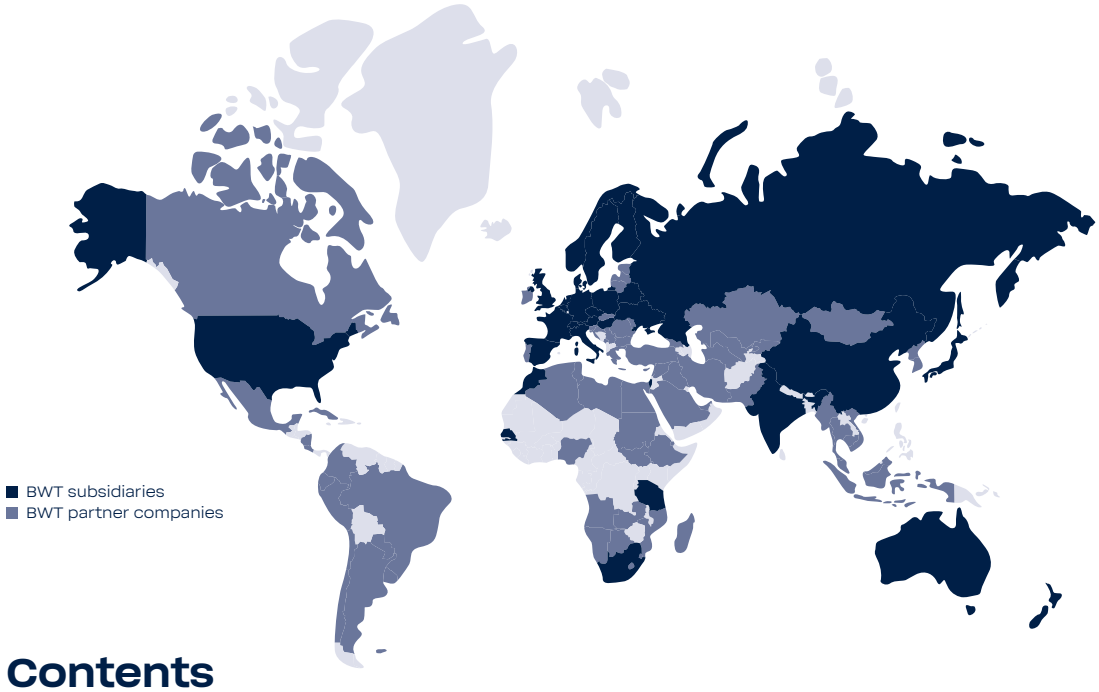
An expert in water treatment for over 30 years, the BWT Group offers a complete range of products and services to transform any water, whether mains water or tap water, into a high-quality fluid that meets the hygiene, safety and energy comfort requirements expected by our customers.

6,500 Employees

13 R&D centres

12 Production sites

10,000 Distribution partners in 122 countries



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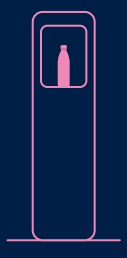
Our Know-How for all Markets

Wherever there is water,
BWT is there to provide perfect water for domestic, professional, local authority and industrial use.



Our water dispensing solutions

BWT offers a range of water dispensers as part of a more sustainable, more economical and simpler approach. This means you can choose to drink local water rather than bottled water. Our water dispensers can be adapted to any space (offices, reception areas, public buildings, etc.) and offer filtered, fresh or carbonated mineralized water at will.



Your BWT International Sales Team

At your service

To meet diverse local requirements, the BWT Group - specialized in international markets - operates from strategically located production sites in Austria, France, Germany, Denmark, Switzerland and more. Each site is uniquely equipped to address specific regional needs, ensuring tailored solutions for customers worldwide.

From order acceptance and technical consultation to after-sales support, our team of experts is committed to assisting you. At any time, you can expand or adapt your product portfolio by integrating offerings from any of our locations - giving you maximum flexibility and access to our full range of innovations.

For your convenience, every product table now lists the item code and its associated production or warehouse location (e.g. ITEM CODE (AT-DE-FR), ensuring easy access to our new full international portfolio. If you wish to consolidate your orders, we are pleased to help you optimize your transport routes.

Don't hesitate to contact our Customer Services or your Key Account Manager for availability or consolidation - we're here to support you.





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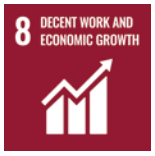
BWT's Key Commitment

BWT is committed to Corporate Social Responsibility (CSR), taking daily action to address societal and environmental challenges. As a market leader, BWT focuses on innovative, sustainable, and digital solutions to ensure customer satisfaction and reduce environmental impact.

Our contribution to the United Nations SDGs



Developing innovative, sustainable solutions to improve water quality.
Reducing water consumption by implementing efficient equipment, from centralized to decentralized water treatments.



Ensuring safe and conscientious working conditions.



Ongoing investment in research and development of innovative, sustainable water treatment technologies.



Reduction in the use of plastic and recycling in our production operations.



Reducing the number of chemical pick-ups on our production site without impacting customer satisfaction.

Our quality standards









For You...

More sustainable manufacturing
» Focus on responsible design: reduced plastic, minimal packaging, kraft cardboard, fewer materials.

Services and maintenance
» Commissioning and maintenance by BWT experts.
» Digital tools for streamlined local monitoring and support.

Cost efficiency
» Spare parts available throughout product life and beyond for essential items.
» Lower costs by replacing wear parts instead of entire components.

... And Planet Blue.

Reducing energy consumption with optimised water treatment
» Prevents scale and corrosion
» Improves efficiency
» Saves energy
» Extends equipment life
» Reduces costs and environmental impact

Improving building sustainability with BWT maintenance contracts
» BWT repairable systems last longer
» Reduce replacements
» Support sustainable building management

Conserving water with efficient equipment and eco-friendly solutions
» Lower ecosystem impact
» Help conserve water supplies.

Best Water Solutions for All Applications



Water quality - whether for consumption, technical processes, HVAC systems, or different building types - directly impacts health, comfort, costs, and the environment. Each domain has unique challenges - BWT delivers complete packages with tailored solutions and personalized support.

Find out more



Buildings

Efficient solutions from residential complexes to offices and public facilities that guarantee comfort, hygiene and cost control.



Industry

Solutions that minimize scaling, corrosion, and downtime—boosting productivity while reducing environmental impact.



Agriculture

Irrigation optimization and livestock care, reducing waste and supporting sustainable agriculture practices.



Healthcare

Ultra-pure water for medical applications, protecting patients and staff while optimizing resources.



Food & Beverage

High-quality water to meet strict hygiene standards and enhance product taste.



Detergent & Cosmetics

Pure water for production processes, meeting stringent quality industry requirements.



Seawater desalination

Seawater treatment for various needs in the most remote areas of the world.

Our added value: **a comprehensive 360° offer**

Wherever you are, a team of experts located close to your establishment is there to advise, recommend, install and ensure water treatment specific to all your needs, thanks to our 360° offer: equipment, products and services.

Water in **Residential Buildings**

The comfort of occupants and limiting energy consumption are now the main issues in apartment blocks.



Managing the water cycle plays a central role. It provides high-quality heating and air-conditioning while optimizing the energy performance and durability of equipment. To overcome all these challenges, we offer you a comprehensive range of solutions and services.

THINK ABOUT IT!

Water treatment is only effective and long-lasting if it includes:
- » prior disinfection,
- » maintenance contracts,
- » analytical monitoring.

What expertise?

Domestic Cold Water

FILTRATION
Retains solid impurities and other components to protect your facilities and equipment.
All our filters **p. 22**

DISINFECTION
Eliminates germs, bacteria and micro-organisms to make your facilities safer.
All our solutions **p. 64**

ONE PIPE PEARLWATER
Combines two water treatment processes that were previously considered incompatible: the softening of local tap water and its enrichment with minerals.
All our solutions **p. 44**

Domestic Hot Water

FILTRATION
Retains solid impurities and other components to protect your facilities and equipment.
All our filters **p. 22**

SOFTENING
Removes limescale from water, protects equipment and networks from scale, and maintains the energy performance of domestic hot water systems.
All our softeners **p. 40**

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HVAC circuits

HEATING, CHILLED WATER OR DRY FILTRATION
Continuously removes oxides, magnetisable particles, solid sediments, sludge and suspended solids.
All our filters **p. 22**

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Removes limescale from water and protects HVAC systems from limescale build-up.
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NETWORK PROTECTION
- » Cleaning: washing and de-silting of networks before packaging.
- » Conditioning: protects and maintains the physical and chemical balance of networks against corrosion, sludge, etc.

All our solutions **p. 98**

Water in **Offices and Public Buildings** (PB)

Offices and public buildings have the distinctive feature of being high-traffic areas, and generally very busy places. When it comes to water quality, this requires particular vigilance: hygiene, sanitary safety and comfort.



This feature also means that we need to be able to supply continuous power to high-output equipment, while controlling its technical and financial performance and reliability. For all these reasons, and in a specific regulatory context, a specific water treatment protocol is required for this type of building.

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Pool water

Contact our team at **service.export@bwtpool.fr** to receive our sales catalogue for BWT Pool products.

Catering

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DRINKING WATER
Allows you to filter tap water and stop using bottled water.
BWT Mineralized Drinking Water solutions **p. 132**

Technical water

Specific treatments depending on the type of building (e.g. maintaining humidity levels in museum exhibition rooms).

Water in **Hotels**

Hotels are keen to offer their guests maximum comfort while keeping energy costs under control.



This implies a certain level of comfort in terms of heating and sanitary conditions, reflected in the installation of reliable limescale protection for equipment (e.g. coffee machines, dishwashers) as well as safe and hygienic solutions for dispensing drinking water - to enjoy tastiest BWT mineralized water. Particularly for facilities with a swimming pool and/or spa, a rigorous water treatment protocol guarantees hygiene, user safety and the longevity of the equipment.

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Sustainable Escapes for **Pure Wellness & Luxury**

As Europe's leading water treatment company, we provide advanced, end-to-end water solutions for the hotel industry, covering all operational areas from kitchens, bars, and restaurants to pools and wellness facilities. Our focus is on delivering consistently high water quality, system reliability, and protection for equipment and guests. Sustainability is embedded in every solution, enabling efficient resource use, reduced operating costs, and long-term environmental responsibility, while elevating the guest experience to a completely different level across all hotel touchpoints worldwide.

Find out more



Das Edelweiss***** Großarl, Salzburg
©Michael Huber

Why it's a Smart Idea to Check into Best Water Hotels

There are many good reasons for hotel owners to become a Best Water Hotel. For instance, it allows them to position their hotel as a sustainable business in the eyes of their guests. Additionally, a partnership covers nearly all areas where water plays a role – and beyond - from the pool to the glass of water at the bar, to marketing. Here are some of the main benefits:

MORE LEGAL CERTAINTY
Hoteliers must comply with numerous legal regulations, including the drinking water ordinance and the beverage dispensing system law. If a guest suffers harm from contaminated piping, the hotel owner is liable. Best Water Hotels enjoy comprehensive services and expertise from BWT hygiene professionals.

STAND OUT FROM THE CROWD
The competition in the tourism industry is fierce. That's why it's crucial to take advantage of every opportunity to impress guests - even in unexpected places. With Magnesium Mineralized Water and Diamond Mineralized Water, the most valuable water in the world, BWT offers hotel owners this unique opportunity.

LOWER OPERATING COSTS
BWT's leading best filter technology optimally treats water for every area - from heating to wellness and to the restaurant. This ensures equipment lasts longer and requires less maintenance.

ADDITIONAL STANDING FOR YOUR MARKETING
Best Water Hotels are automatically represented in relevant networks. Visibility on social media channels, on the BWH website, or at industry trade shows can positively impact booking numbers and give hotel owners a competitive edge without extra effort.

INCREASED REVENUE WITH TAP WATER
BWT's magnesium technology provides a solution to a common challenge: tap water! On one hand, managing requires significant effort. On the other hand, not all guests are thrilled about paying extra for it. With BWT Magnesium Mineralized Water, hotels can confidently charge for while offering superior quality.

SUPPORT EVERY STEP OF THE WAY
BWT supports hotel owners with all water-related needs from collaborating with planners and architects on modern energy solutions to installing pools. This partnership saves time, reduces stress, and delivers significant cost savings over the years.

Water in **Healthcare Facilities and Treatment Centres**



Discover our advanced treatment solution at "Universität Kinderspital"
Zurich (Switzerland)

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Sterilisation units

High-quality water helps to ensure that a sterilisation unit operates correctly, that washing-disinfection machines and autoclaves are reliable, and that devices leaving the process are hygienically clean.

DOSING UNIT
Injects disinfectants (preventive and curative).
All our solutions **p. 108**

FILTRATION (upstream of softeners)
Retains solid impurities and other components to protect your facilities and equipment.
All our filters **p. 22**

MICROFILTRATION (upstream of osmosis units)
Preserves the performance and lifespan of osmosis membranes.
All our filters **p. 22**

FILTRATION (from purified water loop)
Guarantees a bacteria-free water supply at the start of the loop.
All our filters **p. 22**

SOFTENING
Removes limescale from the water and protects the osmosis unit from limescale build-up.
All our softeners **p. 40**

BI-OSMOSIS
Protects equipment used to sterilise medical devices thanks to < 5 µS/cm (EN 285) conductivity.
All our reverse osmosis units **p. 78**

Water in **Healthcare Facilities and Treatment Centres**

In constant contact with a vulnerable population, water in healthcare facilities and treatment centres is only permitted at the highest quality.

What are the water issues in healthcare facilities and treatment centres?

- **Controlling** bacterial risks.
- **Ensuring** heating and HVAC equipment operates correctly.
- **Optimising** the energy performance of our facilities.
- **Sustaining** technical facilities.



Treatment plant for the laboratories of the Pitié-Salpêtrière Hospital in Paris, France.

What are the health risks in the healthcare facilities and treatment centre sector?

INFECTIOUS AND PARASITIC RISKS

They come from bacteria, viruses, parasites, fungi and micro-algae. The severity of the infections that these micro-organisms can cause varies depending on their nature, the routes of exposure and the immune status of those exposed.

NOSOCOMIAL-ACQUIRED INFECTIONS

- They develop in hospitalised patients and can be caused by viruses, bacteria or parasites.
- There are several types of nosocomial infection: digestive (gastroenteritis, diarrhoea), respiratory (Legionella, Pseudomonas), skin and mucous membranes (septicaemia, keratoconjunctivitis), bones and joints (Mycobacterium xenopi).
- The consequences can be serious, so preventive measures are essential.

TOXIC RISKS

They can be caused by the ingestion of certain chemical substances (nitrate, chlorine) in excessive quantities in water, or by the presence of substances such as aluminium, copper or zinc in certain applications such as haemodialysis.

BURN RISKS

Fifty per cent are caused by liquids that are too hot.

It is also the key to the smooth running of the various hospital departments, particularly the sterilisation units. Absolute purity and safety come first. Drawing on our experience of working with many healthcare facilities and treatment centres stakeholders, we can offer you comprehensive support for all uses of water in this highly specific and regulated context.



Water treatment for the sterilisation unit in Kerlic Clinic in Quimper, France

GOOD TO KNOW

Legionella risk



Legionella is one of the main water-borne health risks in healthcare facilities and treatment centre establishments.

Several requirements are strictly defined, among them the monitoring of legionella in water production, storage and distribution installations, including for example:

- Regular checks for Legionella bacteria on high-risk taps.
- These analyses must be carried out by an approved laboratory.
- Keep a health logbook to ensure that monitoring is traceable.


BWT
bar
NEW

Filtration

Essential Protection



The First Hygienic Step

Filtration is the process of removing particles from the water, ensuring safe, efficient, and hygienic water supply across multiple sectors. The goal is to remove impurities, prevent scaling and corrosion, and maintain operational efficiency and sustainability. It remains the cornerstone of water management, delivering reliability and sustainability.



BWT filters provide a physical barrier to remove undesirable elements from the inlet water supply. While a single filter will work in some situations, it is often necessary to use a combination of single, multiple and specialist filters to satisfy the needs of individual projects. The modular nature of BWT filtration technology means that they can be tailored to provide an effective solution for both simple and more complex filtration issues.

The sizing of a water filter depends on a number of factors and includes, but is not limited to:

- Volumes of water to be treated
- Turbidity
- Suspended Solids
- Flow Rates Required
- Temperature

Typical Applications

- Drinking water supplies
- Borehole and spring water supplies
- Rainwater reclamation
- Pre-treatment & protection of plant
- Food processing plants
- Beverage processing

Key Benefits

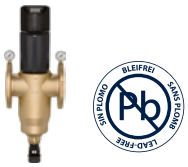
- No extraneous particles penetrate the system, ensuring clean pipes and optimum protection for all subsequent installations
- Highest standards with BWT unique patented technology
- Maintenance reminders thanks to BWT App registration

Filtration

Depending on the region and the type of building, it is necessary to install a filtration system to obtain high-quality water for sanitary and HVAC systems, protect the networks and improve the comfort of occupants.







	BWT MACH	BWT INFINITY	BWT MULTIPUR
APPLICATIONS	Protection of sanitary equipment and appliances against network sediments.		
DIMENSIONS	DN 20 - DN 50	DN 20 - DN 50	DN 65 - DN 150
FLOW RATE at Δp= 0.5 bar (7.3 psi)	4.5 to 16.1 m³/h (19.8 to 70.9 gpm)	6 to 16 m³/h (26.4 to 70.4 gpm)	58 to 105 m³/h (255.4 to 462.3 gpm)
FILTRATION	90 - 110 µm	90 - 100 µm	50 - 100 - 200 µm
CERTIFICATION	DVGW (status 12/2025: applied for)	KTW; DVGW compliant	KTW; DVGW
BEST WATER APP	Yes	Yes	Yes
DESCRIPTION	Patented rotary pulse backwash technology	Backwashing anti-sediment filter (50, 200 & 300 µm - available separately), with manual or automatic activation	Backwashing anti-sediment filter element (50 µm & 100 µm - available separately), with manual or automatic activation
PRODUCT BENEFITS	Minimum water consumption during backwash	Low backwash water consumption	Low backwash water consumption
	Optimised filtration and backwash performance	Continuously filtered water, even during washing periods	
	Resource saving through use of sustainable materials	Extending the lifespan of various sanitary parts	
	p. 28	p. 32	p. 34

ADVICE FROM OUR EXPERTS

How do I choose the right filter?
It is important to respect the indicative flow rate for each filter as this directly affects the quality of filtration.

Don't forget to change your cartridges!
As soon as the pressure drop exceeds the recommended value or at regular intervals.

Check the media filters regularly!
It is advisable to top up or change the filter loads periodically.







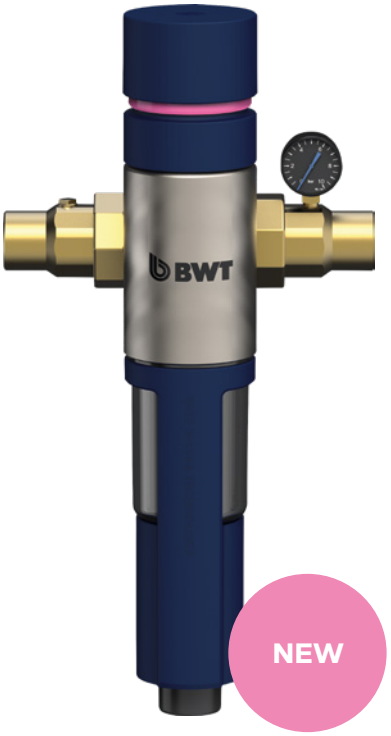
BWT PURITY PRO XL	BWT MULTI C / S / AS	CS SIMPLEX / DUPLEX
Protects against sediments, bad tastes and odours, aggressive water, presence of iron and manganese.		Chlorine & sediment
DN 50	DN 32	Ø63 - Ø 90 mm*
3 to 17 m³/h (13 to 74.8 gpm)	1 to 5.0 m³/h (4.4 to 22.0 gpm)	up to 60 m³/h (264 gpm)
AC / Fe + Mn	Bewasorb	AC
ACS	DVGW compliant	High-quality media acc. to German DIN
Yes	Yes	-
Composed of different filter media: sand and gravel alone, or bi-layer load with quartz sand and anthracite, activated carbon, neutralite and magnolite or iron remover	Composed of different filter media: filter gravel, Bewasorb, activated carbon	Carbon & sand high flow rate filter serie
Robust, corrosion-resistant device	Water supply even during backwash	Alternating backwash for uninterrupted service (industrial-grade control)
Automatic filter	Fully automatic operation	Fully automatic operation & high durability
Filter washable in clean water	Backwash process minimizes waste water	Durable design - Minimal intervention
p. 38	p. 36	p. 39

Subject to alterations and errors excepted.



MACH Filter

Efficient, reliable and sustainable



Discover the latest generation of BWT backwash filters: the BWT MACH Filter – with patented rotary pulse backwash. This technology, further developed by BWT, enhances filter performance and leaves filter surfaces cleaner. The MACH filter therefore guarantees exceptionally clean drinking water!

This technology also significantly reduces water consumption during the back-wash process. High-quality materials make the MACH filter particularly robust and environmentally friendly. It is also very easy to operate.

DISCOVER MORE,
CLICK HERE TO THE
MACH FILTER VIDEO

Proven Technology Further Developed

Perfectly clean water in seconds

The way the BWT MACH Filter works is as ingenious as it is simple: backwashing is activated with just one 90° turn of the filter housing to the left or right. The backwashing process stops automatically as soon as the handle is released. It takes just some seconds to remove the finest particles from the filter element.

The sophisticated design ensures that the valve is fully open, guaranteeing exceptionally clean backwashing.

A viewing window on the housing allows the user to check the filter screen at any time. The 2-phase backwash technology also guarantees extremely thorough cleaning:



Rotary Pulse Backwash in 2 Phases

PHASE 1 Coarse particle flush

PHASE 2 Deep pore cleaning of the filter element

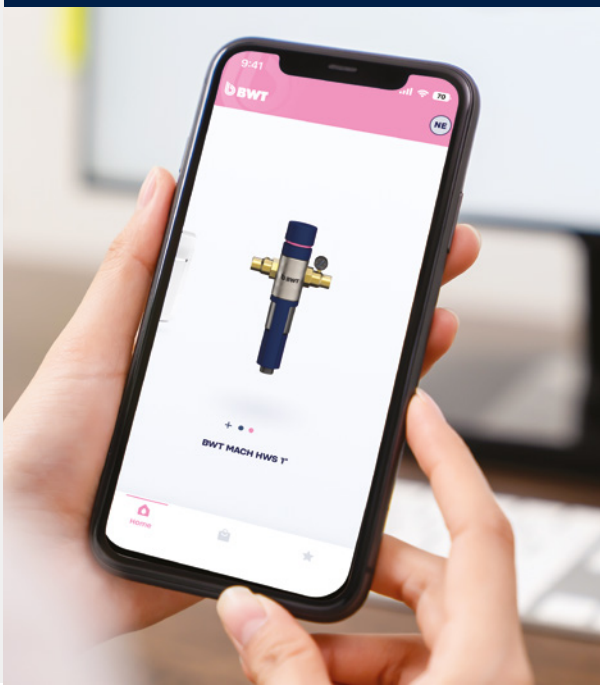
Cleanliness Assured

Once the product has been registered, the BWT MACH Filter can be viewed anytime and wherever it is located.

A free reminder service – via the app or by email – ensures that important maintenance steps are no longer missed:

- Backwash every 6 months
- Maintenance/replacement of the filter element every 5 years
- Filter maintenance/filter bowl replacement and pressure reduction deployment every 10 years

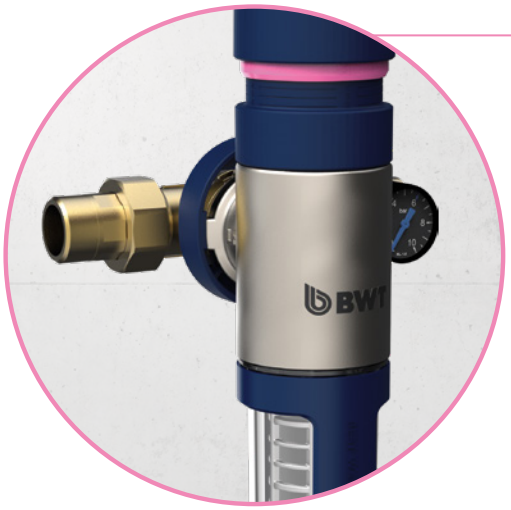
BWT BEST WATER APP
DOWNLOAD YOUR APP
FOR FREE!
Download on the App Store
GET IT ON Google Play



Combining Innovation and Sustainability

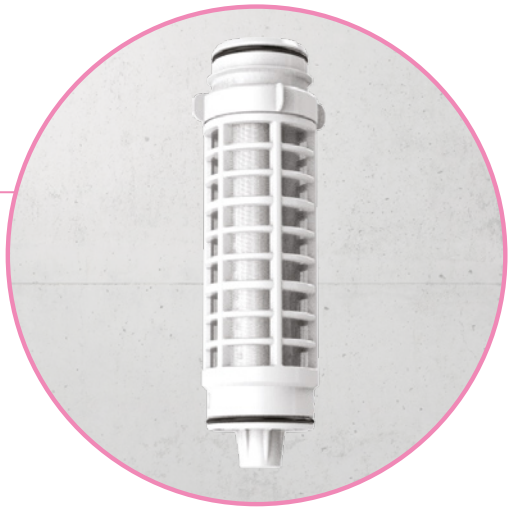
Outstanding quality

The BWT MACH Filter combines modern design with sophisticated technology and sustainability. High-quality materials make the BWT MACH Filter particularly robust, ensuring that the backwash filter has a long service life, while fewer plastic components and environmentally-friendly packaging, made from 100% recycled paper, help conserve valuable resources. All water-bearing components are certified for use in drinking-water applications.



Lead-free brass

The filter head and connection module are made from lead-free brass. The filter head is also protected by a high-quality coating that's approved for drinking water applications. This makes the MACH filter extremely durable and resistant to corrosion. Only materials that are considered harmless within the meaning of the Waste Framework Directive (2008/98/EC) are used.



Stainless Steel Filter Element

The filter element, created from 100 µm stainless steel mesh, is extremely hygienic, reducing the potential for biofilm to form. The large filter surface can be relied upon to retain even the finest particles, while the inside has been designed without ridges so that it is left spotlessly clean after backwashing.

Special Features

Innovative rotary pulse backwash

Optimised filter and backwash performance

Easy installation - also in vertical pipes

Less water consumed during backwash

Resources conserved through use of sustainable materials

Optimised BWT HydroMODUL

Size 1

BWT MACH Filter HWS & RSF

BWT MACH HWS (House Water Station) with integrated pressure reducer

	BWT MACH HWS ¾"	BWT MACH HWS 1"	BWT MACH HWS 1 ¼"	BWT MACH HWS 1 ½"	BWT MACH HWS 2"
ITEM CODE (AT-DE-FR)	**125665062**	**125665063**	**125665064**	**125665065**	**125665066**

BWT MACH RSF (Backwash)

	BWT MACH RSF ¾"	BWT MACH RSF 1"	BWT MACH RSF 1 ¼"	BWT MACH RSF 1 ½"	BWT MACH RSF 2"
ITEM CODE (AT-DE-FR)	**125664414**	**125664415**	**125664416**	**125664418**	**125664419**



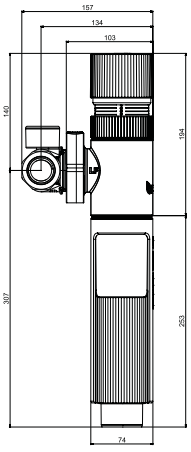
BWT MACH RSF/HWS

Specifications

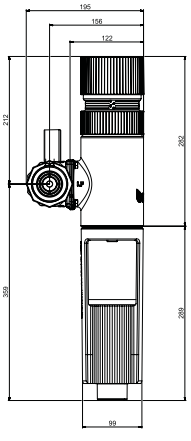
	BWT MACH HWS ¾"	BWT MACH HWS 1"	BWT MACH HWS 1 ¼"	BWT MACH HWS 1 ½"	BWT MACH HWS 2"
Connection width	DN 20	DN 25	DN 32	DN 40	DN 50
Filter mesh size	90-110 µm	90-110 µm	90-110 µm	90-110 µm	90-110 µm
Flow rate P = 0.2 bar acc. to DIN EN 1567	2,3 m³/h (10.1 gpm)	3,6 m³/h (15.8 gpm)	5,8 m³/h (25.5 gpm)	9,1 m³/h (40.0 gpm)	14,0 m³/h (61.6 gpm)
Outlet pressure after pressure reducer	2/6 bar	2/6 bar	2/6 bar	2/6 bar	2/6 bar
Nominal pressure (PN)	16 bar	16 bar	16 bar	16 bar	16 bar
Operating pressure min./max.	2/16 bar	2/16 bar	2/16 bar	2/16 bar	2/16 bar
Water / ambient temperature min./max.	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C
Length of mounting / with screw connection	100/198 mm	100/198 mm	105/236 mm	125/295 mm	125/260 mm
Connection type	Size I / HydroModule connection			Size II / Four-hole flange	

	BWT MACH RSF ¾"	BWT MACH RSF 1"	BWT MACH RSF 1 ¼"	BWT MACH RSF 1 ½"	BWT MACH RSF 2"
Connection width	DN 20	DN 25	DN 32	DN 40	DN 50
Filter mesh size	90-110 µm	90-110 µm	90-110 µm	90-110 µm	90-110 µm
Flow rate at Δp = 0.2 bar*	2,9 m³/h (12.7 gpm)	3,0 m³/h (13.2 gpm)	3,3 m³/h (14.5 gpm)	10,0 m³/h (44.0 gpm)	10,2 m³/h (44.9 gpm)
Flow rate at Δp = 0.5 bar*	4,5 m³/h (19.8 gpm)	4,7 m³/h (20.6 gpm)	5,8 m³/h (25.5 gpm)	16,0 m³/h (70.4 gpm)	16,1 m³/h (70.8 gpm)
Nominal pressure (PN)	16 bar	16 bar	16 bar	16 bar	16 bar
Operating pressure min./max.	2/16 bar	2/16 bar	2/16 bar	2/16 bar	2/16 bar
Water / ambient temperature min./max.	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C	5 - 30/40 °C
Length of mounting / with screw connection	100/184 mm	100/184 mm	105/203 mm	125/240 mm	125/260 mm
Connection type	Size I / HydroModule connection			Size II / Four-hole flange	

*acc. to DIN EN13443-1



HWS - Size I



HWS - Size II

BWT Infinity

Improve

Anti-sediment filters

Flow rate: **6 to 16 m³/h**
DN: **20 (¾) to 50 (2″)**



TECHNICAL BENEFITS

- **Horizontal and vertical installation possible.**
- Integrated 2-phase **high-performance backwashing**.
- **Continuously filtered water**, even during backwashing.
- **Extending the lifespan** of the various sanitary parts.
- **Constant water pressure and protection** against pressure hammers.
- **Efficient power cut security** (BWT Infinity A / AP).

Operation

The BWT Infinity backwash filter protects against sediments and is available in three models: M - manual, A - automatic, AP - with additional differential pressure controlled backwashing. This filter is made up of a strainer with a filtration rating of 90 µm, retaining particles such as sand, iron oxide, shavings, etc. By eliminating particles, it prevents certain types of corrosion.

Applications

Ideal for collective use to protect your networks and devices (taps, water softeners, atomisers, industrial processes, etc.).

Standard equipment

- Filterelement 90 µm (50 µm, 200 µm or 300 µm also available separately).
- Extremely durable backwash filter with 2-phase high-performance backwashing.
- High-tech materials, waste drain connection DN 50, individually packed.
- Types DN 20-32, size 1, for HydroMODUL-connection; Types DN 40-50, size 2, with 4-hole-flange-connection.
- Offset adjustable connection head and at a short distance from the wall.
- Integrated 2-phase high-performance backwashing system:
  - manual mode: backwashing by simply turning the flywheel.
  - automatic mode: programmable cleaning frequency (from 1 hour to 56 days).
- Wash cycles can be programmed with the automatic version.
- A 230 V/50 Hz socket is required for the automatic version.

	BWT INFINITY M ¾"	BWT INFINITY M 1"	BWT INFINITY M 1 ¼"	BWT INFINITY M 1 ½"	BWT INFINITY M 2"
Connection width	DN 20	DN 25	DN 32	DN 40	DN 50
Flow rate at ΔP = 0.2 bar (2.9 psi)	3.5 m³/h (15.4 gpm)	4.5 m³/h (19.8 gpm)	5.5 m³/h (24.2 gpm)	10 m³/h (44 gpm)	10 m³/h (44 gpm)
Flow rate at ΔP = 0.5 bar (7.3 psi)	6 m³/h (26.4 gpm)	6.5 m³/h (28.6 gpm)	9 m³/h (39.6 gpm)	15.5 m³/h (68.2 gpm)	15.5 m³/h (68.2 gpm)
Filter mesh size	90 µm	90 µm	90 µm	90 µm	90 µm
Operating pressure min./max.	2/6 bar (29/232 psi)	2/6 bar (29/232 psi)	2/6 bar (29/232 psi)	2/6 bar (29/232 psi)	2/6 bar (29/232 psi)
ITEM CODE TYPE M (AT-DE-FR)	**125665653**	**125665653**	**125665653**	**125665654**	**125665654**

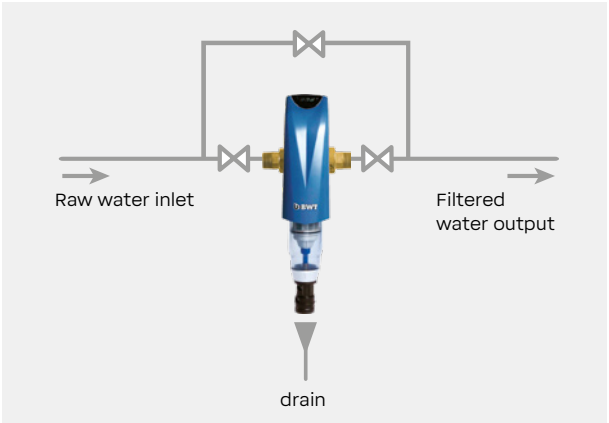
	BWT INFINITY A/AP ¾"	BWT INFINITY A/AP 1"	BWT INFINITY A/AP 1 ¼"	BWT INFINITY A/AP 1 ½"	BWT INFINITY A/AP 2"
Connection width	DN 20	DN 25	DN 32	DN 40	DN 50
Flow rate at ΔP = 0.2 bar (2.9 psi)	4 m³/h (17.6 gpm)	5 m³/h (22 gpm)	5.5 m³/h (24.2 gpm)	10 m³/h (44 gpm)	10 m³/h (44 gpm)
Flow rate at ΔP = 0.5 bar (7.3 psi)	7 m³/h (30.8 gpm)	7.5 m³/h (33 gpm)	9 m³/h (39.6 gpm)	16 m³/h (70.4 gpm)	16 m³/h (70.4 gpm)
Filter mesh size	90 µm	90 µm	90 µm	90 µm	90 µm
Operating pressure min./max.	2,5/16 bar (36,2/232 psi)	2,5/16 bar (36,2/232 psi)	2,5/16 bar (36,2/232 psi)	2,5/16 bar (36,2/232 psi)	2,5/16 bar (36,2/232 psi)
ITEM CODE TYPE A (AT-DE-FR)	**125665666**	**125665666**	**125665666**	**125665667**	**125665667**
ITEM CODE TYPE AP (AT-DE-FR)	**125665678**	**125665678**	**125665678**	**125665679**	**125665679**

Accessories

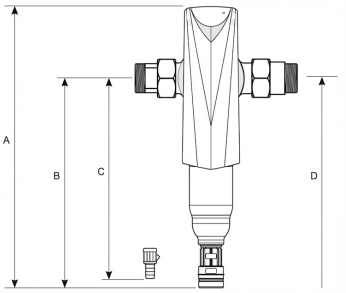
Designation	ITEM CODE
INFINITY FILTER ELEMENT 50 µm	**2-060841**
INFINITY FILTER ELEMENT 90 µm	**2-060562**
INFINITY FILTER ELEMENT 200 µm	**2-060398**
INFINITY FILTER ELEMENT 300 µm	**2-060791**

Lead-free connection module	¾" LF	1" LF	1 ¼" LF	1 ½" LF	2" LF
ITEM CODE (AT-DE-FR) without pressure reducer	**125596761**	**125596762**	**125596763**	**125665732**	**125665733**
ITEM CODE (AT-DE-FR) with pressure reducer	**125596764**	**125596765**	**125596766**	**125596769**	**125596770**

Installation recommendation



NB: Automatic models must be connected to a mains socket.



Measurement Infinity A LF + AP LF	
A Total height	550 mm
B Pipe centre to HT-connection	315 mm
C Pipe centre to hose nozzle	295 mm
D Minimum distance pipe center to floor	670 mm

BWT Multipur

Improve

Anti-sediment filters with strainer

Flow rate: **35 to 105 m³/h**
DN: **65 to 150**



TECHNICAL BENEFITS

- **Efficiency:** Suction ring system for cleaning (12× faster).
- **Performance:** 90% filter surface active during backwashing.
- **Economy:** Low backwash water consumption.
- **Compliance:** Integrated rinsing water connection per DIN 1988.
- **No operation interruption** with automatic version.

Operation

Multipur backwash filters operate by directing inlet water through a stainless-steel filter element, which retains particles larger than 100 µm or 200 µm. These particles either settle in the housing or adhere to the filter surface.

Automatic version: Backwashing is triggered at preset intervals. The rinsing outlet opens, and suction ring segments move across the filter surface, cleaning it with high-speed water flow. The system monitors the pressure difference between inlet and outlet to ensure proper function.
Manual version: Backwashing is initiated by the user when required. The same suction cleaning process occurs, but activation is manual.

Applications

For drinking and industrial water filtration, protecting pipelines, fittings, machinery, tanks, boilers, and production facilities from malfunctions and corrosion caused by foreign particles. They can also be used for well water, process water, boiler feed, cooling, and air-conditioning systems - specialist advice is recommended for these cases.

Standard equipment

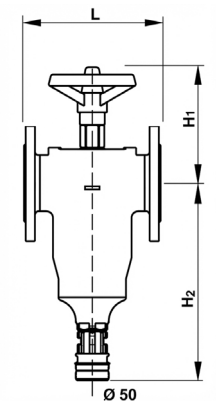
- Filter housing made of red brass in NLL quality*
- Electronic controller and backwashing device with hydraulic drive
- CIC connection
- Power supply unit
- Water outlet for pipe
- Water outlet for hose (20 mm Ø)
- Pressure gauge
- CIC connection cable
- Optional: interlock cable for parallel operation 2 m, with plug (item code (DE) 10908)

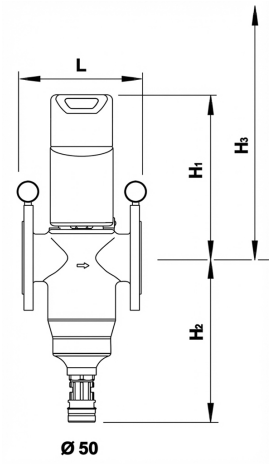
BWT MULTIPUR M - LEAD-FREE					
Connection width	DN 65	DN 80	DN 100	DN 125	DN 150
Flow rate at ΔP = 0.2 bar (2.9 psi)	35 m³/h (154.1 gpm)	35 m³/h (154.1 gpm)	56 m³/h (246.6 gpm)	57 m³/h (251 gpm)	61 m³/h (268.6 gpm)
Flow rate at ΔP = 0.5 bar (7.3 psi)	58 m³/h (255.4 gpm)	58 m³/h (255.4 gpm)	82 m³/h (361 gpm)	91 m³/h (400.7 gpm)	105 m³/h (462.3 gpm)
Filter mesh size	100 µm	100 µm	100 µm	100 µm	100 µm
Operating pressure min./max.	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)
ITEM CODE (AT-DE-FR)	**125596285**	**125596286**	**125596287**	**125596288**	**125596289**

BWT MULTIPUR AP - LEAD-FREE					
Connection width	DN 65	DN 80	DN 100	DN 125	DN 150
Flow rate at ΔP = 0.2 bar (2.9 psi)	35 m³/h (154.1 gpm)	35 m³/h (154.1 gpm)	56 m³/h (246.6 gpm)	57 m³/h (251 gpm)	61 m³/h (268.6 gpm)
Flow rate at ΔP = 0.5 bar (7.3 psi)	58 m³/h (255.4 gpm)	58 m³/h (255.4 gpm)	82 m³/h (361 gpm)	91 m³/h (400.7 gpm)	105 m³/h (462.3 gpm)
Filter mesh size	100/200 µm	100/200 µm	100/200 µm	100 µm	100 µm
Operating pressure min./max.	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)	2.5/10 bar (36/145 psi)
ITEM CODE (AT-DE-FR)	**125596290**	**125596291**	**125596292**	**125596293**	**125596294**

Accessories

Designation	ITEM CODE
FILTER ELEMENT MULTIPUR 50 µm DN 50/65/80	**2-243860**
FILTER ELEMENT MULTIPUR 100 µm DN 50/65/80	**2-060626**
FILTER ELEMENT MULTIPUR 200 µm DN 50/65/80	**2-060627**
FILTER ELEMENT MULTIPUR 50 µm DN 100	**2-061174**
FILTER ELEMENT MULTIPUR 100 µm DN 100	**2-061147**
FILTER ELEMENT MULTIPUR 200 µm DN 100	**2-061173**
FILTER ELEMENT MULTIPUR 50 µm DN 125/150	**2-061176**
FILTER ELEMENT MULTIPUR 100 µm DN 125/150	**2-061148**
FILTER ELEMENT MULTIPUR 200 µm DN 125/150	**2-061175**
DIFFERENTIAL PRESSURE MANOMETER	**10989**





BWT MULTIPUR M		65 M	80 M	100 M	125 M	150 M
L	Overall length	220 mm	220 mm	220 mm	220 mm	220 mm
H1	Height of pipe centre to upper edge of the appliance, approx.	230 mm	230 mm	230 mm	230 mm	230 mm
H2	Height of pipe centre to upper edge of the appliance, approx.	370 mm	370 mm	430 mm	510 mm	510 mm

BWT MULTIPUR AP		65 AP	80 AP	100 AP	125 AP	150 AP
L	Overall length	220 mm	220 mm	220 mm	220 mm	220 mm
H1/H2/H3	Height	310/320/400 mm	310/320/400 mm	310/370/400 mm	310/460/400 mm	310/460/400 mm

BWT Multi

Improve

Multi-media filtration

Flow rate: **1.0 to 5.0 m³/h**
DN: **32**



BWT Best Water App

Download on the App Store

GET IT ON Google Play

TECHNICAL BENEFITS

- **Proven filtration performance t**hanks to advanced filter media.
- **Hygiene and safety management**.
- **Reliable operation** tested under toughest conditions.
- **Designed for professional environments**.
- **Fully automatic control valv**e - continuous water supply. Remote monitoring via BWT portal & App.

Operation

The BWT Multi is a multi-media filter which reduces extensively the concentration of arsenic, lead, chlorine and colour and smell causing contaminants. During operation, water flows from top to bottom through the filter bed and impurities are filtered out or absorbed.

After consumption of a predefined water volume, the filter is automatically backwashed at the set time. Water flows from bottom to top through the filter bed. This loosens the filter material and the impurities are flushed out. Operation during backwashing is possible via bypass valve with unfiltrated water.

Applications

BWT Multi line delivers high-performance multimedia filtration for businesses that demand uncompromising water quality. Designed for residential and industrial applications, these systems ensure clean water by removing chlorine, unpleasant odors, particles, iron, manganese, heavy metals, and even arsenic.

Three models solving different water challenges are available:

- **Multi C** – Anti-chlorine for taste and odor improvement.
- **Multi S** – Anti-iron and manganese for crystal-clear water.
- **Multi AS** – Anti-arsenic for maximum safety.

Standard equipment

- Fully Automatic Control - AQA Simplex Valve prevents stagnation and ensures hygiene.
- AQA Safe Function - Prevents water damage caused by flushing water in the event of a power failure.
- Volume and time-controlled operation – Reduces water consumption.
- Thermal Insulation – Keeps water cold and minimizes bacterial growth.
- Compact Design – Space-saving and easy to install.

	BWT MULTI 1000.2	BWT MULTI 2000.2	BWT MULTI 3000.2	BWT MULTI 7000.2
Connection width	DN 32	DN 32	DN 32	DN 32
Max. flow rate	1.0 m³/h (8.8 gpm)	2.0 m³/h (8.8 gpm)	3.0 m³/h (13.2 gpm)	5.0 m³/h (22.0 gpm)
Nominal flow rate	0.6 m³/h (4.4 gpm)	1.0 m³/h (4.4 gpm)	1.5 m³/h (6.6 gpm)	2.5 m³/h (11.0 gpm)
Operating pressure min./max	2/8 bar (29/116 psi)	2/8 bar (29/116 psi)	2/8 bar (29/116 psi)	2/8 bar (29/116 psi)
Capacity	900 L	1800 L	2400 L	6000 L
Height	625 mm	1080 mm	1280 mm	1820 mm
Diameter of tank	254 mm	254 mm	254 mm	254 mm
ITEM CODE (DE) MULTI C	**125686362**	**125686363**	**125686364**	**125686365**
ITEM CODE (DE) MULTI S	**-**	**125686366**	**125686367**	**-**
ITEM CODE (DE) MULTI AS	**-**	**On request**	**On request**	**-**

Consumables

Designation	ITEM CODE (DE)
FILLING BWT MULTI C 2000	**125694914**
FILLING BWT MULTI C 3000	**125694604**
FILLING BWT MULTI C 7000	**125694605**
FILLING BWT MULTI S 2000	**125694606**
FILTER ELEMENT HEAVY METAL 2000	**125694607**
FILLING BWT MULTI S 3000	**125694608**
FILTER ELEMENT HEAVY METAL 3000	**125694609**
FILLING BWT MULTI AS 2000	**125694610**
FILLING BWT MULTI AS 3000	**125694611**

This whole house multi-media product line is exactly the tool improving your overall fresh water quality. Unpleasant matters (odors, bad taste, color, etc.) are safely retained (= adsorption) in our versatile media .

Key Benefits

» Consistent treatment results over the complete period of use.
» Decades of process know-how from the mineral water industry made available for end-consumers.

BWT Purity Pro XL

Improve

Media filter

Flow rate: **3 to 17 m³/h**



non-contractual photo

TECHNICAL BENEFITS

» Robust **unit** and **corrosion-resistant pressure vessel.**

» **Backwashable filter**.

» **Automatic filter**.

Operation

BWT Purity Pro XL filters can be used to treat water for different needs depending on the chosen filter media:

- cloudy water clarification with sand load, or bi-layer load (quartz sand and anthracite),
- activate carbon: retains the organic compounds responsible for water tastes and odours,
- neutralite and magnolite: to neutralise the aggressivity of low mineral content waters rich in CO_2,
- iron remover: to remove iron and manganese from water up to a total content of 5 mg/l max.

Standard equipment

The BWT PURITY PRO XL media filter comes complete and ready to install with:

- polyester body, corrosion-resistant,
- top valve,
- the electronic control panel,
- media of your choice, depending on the application,
- provide a 230 V/50 Hz socket.

Accessories

Designation	ITEM CODE
CLEAR FILTER WASHING KIT	**125610268**
BYPASS SUPPRESSION	**125595483**
TAPPING POINTS	**125299220**
WALL BRACKET P/TABLET	**125502963**

	XL 55	XL 61	XL 77	XL 93
Connection diameter	DN 50/2"	DN 50/2"	DN 50/2"	DN 50/2"
Min/max dynamic pressure	1.5/8 bar (21.8/116 psi)	1.5/8 bar (21.8/116 psi)	1.5/8 bar (21.8/116 psi)	1.5/8 bar (21.8/116 psi)
Max water temperature	35 °C	35 °C	35 °C	35 °C
Max floor load	525 kg	715 kg	1,125 kg	1,680 kg
Body diameter × Filter height	555 × 1,985 mm	610 × 2,225 mm	770 × 2,385 mm	930 × 2,485 mm
FILTER CODE ONLY	**125503063**	**125503064**	**125503065**	**125503066**
Max. flow	3 m³/h	4 m³/h	6 m³/h	10 m³/h
SINGLE-LAYER LOAD CODE	**125503086**	**125503087**	**125503088**	**125503089**
Max. flow	5 m³/h	6 m³/h	10 m³/h	15 m³/h
ACTIVE CARBON (CL2 < 0.4 PPM)* CHARGE CODE	**125503090**	**125503091**	**125503092**	**125503093**
Max. flow	6 m³/h	7 m³/h	11 m³/h	16 m³/h
BI-LAYER LOAD CODE	**125503101**	**125503102**	**125503103**	**125503104**
Max. flow	6 m³/h	7 m³/h	11 m³/h	17 m³/h
IRON REMOVER LOAD CODE	**125503106**	**125503107**	**125503108**	**125503109**
Max. flow	3 m³/h	4 m³/h	5 m³/h	8 m³/h
NEUTRAL LOAD CODE	**125504490**	**125504491**	**125504492**	**125504493**
MAGNO LOAD CODE	**125504494**	**125504495**	**125504496**	**125504497**

Subject to alterations and errors excepted.

BWT CS series

Chlorine and sediment filter

Flow rate:
Simplex: 6 to 30 m³/h
Duplex: 12 to 60 m³/h

TECHNICAL BENEFITS

- **Automatic operation.**
- **Simplifies management.**
- **Smart control.**
- **Electrical valves & pressure sensors.**
- **Auto backwash.**
- **Minimal intervention.**
- **Durable design.**
- **Corrosion-resistant materials.**
- **Low maintenance.**
- **Long service intervals.**



BWT CS Simplex



BWT CS Duplex

Operation

The BWT Carbon & Sand High-Flow Filter Series is designed for superior water treatment in demanding environments. These filters effectively remove:

- Particles
- Chlorine
- Trihalomethanes (THM)
- Total Organic Carbon (TOC)
- Adsorbable Organic Halogens (TOX)
- Taste and odour.

Raw water flows through a layered filtration system. The upper coarse activated carbon layer captures most impurities, while the underlying fine sand layer ensures optimal fine filtration capacity.

Applications

- Duplex version available
- Two filters in parallel with one controller
- High-flow capacity
- Handles up to 60 m³/h (for duplex installation)
- Continuous fresh water supply
- Alternating backwash for uninterrupted service Industrial-Grade Control
- Siemens PLC with touchscreen and graphic display system monitoring
- Display and control of all parameters
- User-friendly interface
- Standardized menu structure
- Optional Ethernet connection
- Remote monitoring, display, and control Integrated Alarm System
- IP/TCP-based alerts.

	BWT CS SERIES 200	BWT CS SERIES 300	BWT CS SERIES 400	BWT CS SERIES 600	BWT CS SERIES 900	BWT CS SERIES 1000
Flow rate	6 m³/h (26.4 gpm)	8 m³/h (35.2 gpm)	12 m³/h (52.8 gpm)	16 m³/h (70.4 gpm)	20 m³/h (88.0 gpm)	30 m³/h (132.0 gpm)
Min. inlet pressure	2.5/3 bar (36.2/43.5 psi)	2.5/3 bar (36.2/43.5 psi)	2.5/3 bar (36.2/43.5 psi)	2.5/3 bar (36.2/43.5 psi)	2.5/3 bar (36.2/43.5 psi)	2.5/3 bar (36.2/43.5 psi)
Inlet*	Ø 63 mm	Ø 63 mm	Ø 63 mm	Ø 63 mm	Ø 75 mm	Ø 90 mm
Outlet*	Ø 63 mm	Ø 63 mm	Ø 63 mm	Ø 63 mm	Ø 75 mm	Ø 90 mm
Electrical connection	230 V	230 V	230 V	230 V	230 V	230 V
ITEM CODE						**On request**

*According to the selected filter size

BWT PearlWater

Softening and Limescale Control



Silky-Soft Pearlwater for All



Hard water often leaves unsightly deposits on fittings, tiles, and glass, and can also lead to a build-up of limescale in the pipework or equipment. This can ultimately result in expensive repairs, and lime deposits that provide an ideal environment for bacteria. In industrial applications, particularly at elevated temperatures, hard water can deposit inside the system, causing corrosion, microbiological growth and having important operational impact (e.g. higher chemical usage, enormous energy consumption, etc.).

To meet the growing need for soft water, BWT provides two installation options:

Centralized Water Treatment

Installed at the main water entry for large buildings, treating the supply before distribution and ensuring continuous soft water.

Decentralized Water Treatment

Simplex Pearlwater units fitted at points of use, ideal for residential or small commercial spaces where soft water interruption is acceptable.
All aimed at delivering high performance across a range of applications.

Key Benefits

Architects & Planners
Ensure compliance with technical standards and extend system lifespan.

Installers & Building Maintenance Teams
Reduce scaling, improve hygiene, and lower service needs, preserving energy efficiency and infrastructure.

BWT Added Value
BWT innovative Pearlwater technology saves significant amounts of water and regenerative salt in comparison to conventional softening units. They offer cost-effective protection for fixtures and equipment and a smaller carbon footprint.

Typical Applications

- **Agriculture:** Protects irrigation systems and supports crop health.
- **Manufacturing & Industry:** Reduces scale and downtime in process water, steam, and cooling towers.
- **Healthcare:** Lowers microbial risks by minimising mineral deposits.
- **Food, Beverage & Hospitality:** Keeps appliances running smoothly and ensures compliance.
- **Detergents & Cosmetics:** Delivers pure water for consistent product quality.
- **Hot Water & Steam:** Shields equipment from limescale, boosting efficiency and lifespan.
- **Cooling & Air-Conditioning:** Cuts maintenance and improves heat transfer.
- **Dishwashing & Laundry:** Enhances cleaning results and appliance lifespan.
- **Reverse Osmosis:** Serves as pre-treatment for better membrane performance.
- **Pools & Steam Generators:** Limits scale in make-up water, reducing maintenance.



BWT OnePipe Pearlwater

The softest Pearlwater meets the best taste.

BWT Pearlwater now combines two water treatment processes that were previously considered incompatible: the softening of local tap water and its enrichment with minerals. The One Pipe technology resolves this apparent contradiction, offering a comprehensive solution that addresses the most critical challenges of water quality in buildings – such as increased energy consumption and hygiene issues. Moreover, the system is precisely designed, easy to install, and can be quickly and efficiently implemented in any building.



First softening ...

Immediately after hard water flows through the water pipeline into a building, the latest generation of BWT water softeners, **BWT Rondomat duoMAXX** transforms the water into the softest Pearlwater with a hardness level of up to zero*.

* Note: Achieving 0 °dH requires strict compliance with the EN 12502 standard and legal requirements regarding corrosion protection and water quality. In public buildings, minimum hardness levels must be observed.



mineralized Pearlwater

ONLY FOR BWT PARTNERS!



OnePipe Pearlwater

... Then mineralization.

The **BWT Pearlwater Mineralizer Kitchen Set** is an innovative under-the-sink solution that can be installed in just a few minutes in every kitchen no matters it is in an appartment of a multifamily building or in a family house. At the push of a button, it mineralizes the previously softened water with magnesium, silicate, and bicarbonates, transforming it into healthy drinking water with an exceptionally great taste.

CLICK HERE TO **THE VIDEO**

Rondomat duoMAXX

Pearlwater for multifamily buildings

The **Rondomat duoMAXX system** integrates two key components:
- **Rondomat Duo** new generation duplex softener for the whole building.
- **Pearlwater Mineralizer Kitchen Set** for each apartment.

Rondomat duoMAXX

2nd generation



Rondomat duoMAXX

Pearlwater Mineralizer Kitchen Set

Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro



The Rondomat duoMAXX system wouldn't be complete without its innovative undersink kitchen solution – the BWT Pearlwater Mineralizer Kitchen Set, designed to deliver perfect drinking water directly in every apartment's kitchen.

The BWT Pearlwater Mineralizer Kitchen Set, with its innovative MIXXO PRO system, transforms a kitchen into a source of perfectly mineralized drinking water. Seamlessly integrated under the sink, it allows you to switch from regular cold (soft) water to mineralized water, enriched with magnesium, silicate, and bicarbonates – at the push of a button.

CLICK HERE TO **THE VIDEO**



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The **BWT Pearlwater Mineralizer Kitchen Set** consists of two key components:

- **The MIXXO Pro unit** – a compact under-sink system that seamlessly integrates into the kitchen under the sink and connect to the existing faucet. Its compact design allows for quick, drill-free installation without additional plumbing.
- **With the push of a button**, the water flow switches from cold, silky-soft Pearlwater to mineralized drinking water. After closing and reopening the faucet, it automatically returns to regular cold water.
- **The Pearlwater Mineralizer Cartridge** mineralizes soft water with magnesium, silicates, and bicarbonates, and reduces contaminants providing a **refreshing, healthy drinking experience with exceptional taste – directly from your faucet**.

LED indicators

Remote control and the MIXXO PRO main unit use LED signals to show water mode, filter cartridge status, and battery levels.

Smart technology

Wi-Fi & bluetooth connectivity enables real-time monitoring of filter status.

Quick & effortless installation

Easy installation under the sink - direct connection to your existing faucet's cold-water line – no additional pipes or complex setups required.

Technical specifications

PARAMETER	DETAILS
Operating water temperature	5 – 30 °C
Ambient temperature	4 – 40 °C
Flow rate	180 l/h
Input water pressure	2 – 6 bar
Power supply	220V / 50Hz
Connections	3/8" (cold water, filter and faucet)
ITEM CODE (AT-DE-FR)	125682072

CARTRIDGE	
Mineralizer cartridge capacity	3000 l
Mineralizer cartridge exchange	12 months
Installation	vertical
ITEM CODE (AT-DE-FR)	125666677



Softening

Softening involves using resins to retain the scaling elements in the water (calcium and magnesium).







	BWT RONDOMAT DUO 2.2	BWT RONDOMAT DUO 3.2	BWT RONDOMAT DUO 5.2	BWT RONDOMAT DUO 6.2	BWT RONDOMAT DUO 10.2
APPLICATIONS	Multi-family housing/Service sector Hotels - Catering/Medical - Healthcare/Industry				
FLOW RATE	2 to 18.1 m³/h (8.8 to 79.7 gpm)				
RESIN VOLUME	36 to 300 L				
DESCRIPTION	Smart high-performance duplex water softener - Remote monitoring via BWT Portal App. Intuitive 5" touch display. Safety and hygiene management. API interface - signal transfer to building management system. Easy connection with Multiblock CT.				
CERTIFICATION	DVGW				
PRODUCT BENEFITS	Intuitive 5" touch display with ergonomic adjustment.				
	Corrosion-resistant lead-free red-brass control valve hydraulically operated and composite pressure vessel.				
	Opaque salt container including ultrasonic salt level sensor, input shaft for IoClean CT and inspection shaft brine valve.				
	Connectivity GSM/WLAN/LAN - Remote monitoring and error indicator via BWT Best Water App - Status device display - Detailed error description on display				
	Low water & salt consumption - Volume controlled regeneration				
	Anti-stagnation programme and electrolysis cell for highest hygiene				

*at WH O °F

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ADVICE
FROM OUR EXPERTS

simplyconnect and MULTIBLOCK CT

Ideal for connecting a water softener quickly, simply and economically, with all the essential components for installation and operation.

» Ready to connect
» Easy to install
» Reliable and safe assembly
» Economical

Equipped with:

» By-pass
» Blending valve
» Meter
» Tapping point







BWT PERLA PRO L	BWT PERLA PRO XL	BWT POWERMIX
Multi-family housing/Service sector Hotels - Catering/Medical - Healthcare/Industry		For the treatment of well water
7 to 9.5 m³/h* (30.8 to 41.8 gpm)	12 m³/h* (52.8 gpm)	5.5 to 11.4 m³/h (24 to 50 gpm)
50 to 150 L	125 to 250 L	150 L - 450 L ECOMIX® C
Bi-block water softener ready to connect using the Simply Connect module. Multifunctional control panel for duplex or triplex assembly.	Bi-block water softener ready to connect using the Simply Connect module. Multifunctional control panel for duplex.	Bi-block water softener for technical facilities and multifunctional control panel for duplex or triplex assembly. To reduce hardness, iron, manganese, organic and ammonium.
ACS	ACS	-
Digital display	Digital display	Digital display
Corrosion-resistant composite pressure vessel	Corrosion-resistant composite pressure vessel	Corrosion-resistant composite pressure vessel
Robust, self-contained salt container	Robust, self-contained salt container	Robust, self-contained salt container
Operation fault general alarm	Operation fault general alarm	Operation fault general alarm
Top-to-bottom regeneration	Low water and salt consumption	Regenerates as a softener
Versatile solution - many accessories available	Conductivity probe on discharge and resin chlorination probe	Easy handling - Multilingual valve programming
p. 54	p. 56	p. 58



A Big Softener for Big Visionaries.

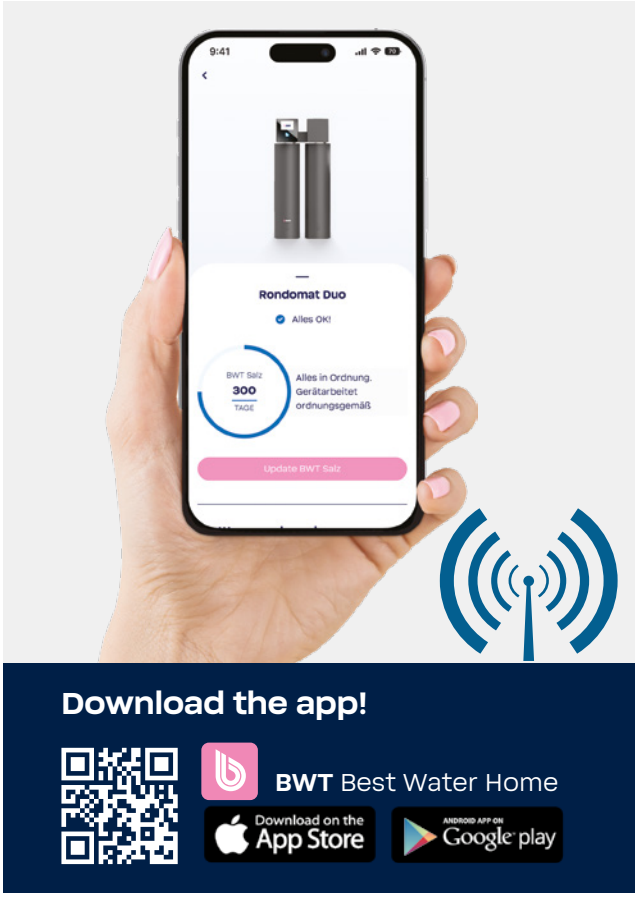
BWT Rondomat Duo

24/7 Operation

The performance formula of the BWT Rondomat Duo series is logical and simple: smaller units for higher flow rates. This is made possible by the maximum exchanger resin utilisation and shorter salt dissolution times offered by all five Rondomat Duo models. As a result the significant shortening of the regeneration intervals is also achieved. In addition the electronic control unit, guarantees a perfect balance between operation and regeneration time and controlls also the period to dissolve the regeneration salt. The BWT Rondomat Duo series significantly reduces stagnation periods with its alternating operation mode and ensures though highest hygiene.







Download the app!

BWT Best Water Home

Download on the App Store

ANDROID APP ON Google play

The Key Highlights

Thermal Insulation

The first fully insulated softener – with control valve and regenerant tank. Prevents condensation and stops drinking water from heating up beyond the permitted temperature.

Clear Communication

The illuminated indicator in the shape of BWT water droplet lights up different colours to indicate the system status based on sensor readings, so you can check on it with just a glance. If the droplet is lit up blue, everything's OK. If it is yellow or red, you can check out details via the touch display or the app.

Safety and Protection

Maximum performance and satisfaction guaranteed thanks to comprehensive water damage safety functions via signals from AQA Safe/Watch/Guard. Perfect water hygiene at all times with IoClean and thermal insulation.

Outstanding Technology

BWT Rondomat Duo units are top-end devices that do their job almost completely automatically. You will find all relevant information on the integrated touch display. The system data and operating parameters are easy to read off and control, while the unit's checklists and wizards provide you with assistance for its operation.

BWT Best Water Home App

Get connected and discover your personal water assistant for BWT Rondomat Duo and many other BWT products. BWT Best Water Home app provides added value in the form of more information, safety and convenience, plus a whole range of extra benefits.

Flawless Design

The perfect form, right down to the smallest detail – ergonomic design combined with compact dimensions. Modern control unit just like on our bestseller, the BWT Perla.

BWT Rondomat DUO 2.0

Duplex soft water units fully thermally insulated, volume-controlled

Flow rate: **2 to 18.1 m³/h**



Rondomat DUO
with regenerant tank

Reduce Improve Protect

TECHNICAL BENEFITS

- **Intuitive control platform** for optimal facility management.
- **Touch display easy to use**.
- **Remote monitoring** via BWT portal & App.
- **Notification for low salt level** (under 20%).

Operation

The Rondomat Duo 2.0 oder Rondomat Duo 2nd Generation operates as a duplex water softener based on the ion exchange principle in alternating mode. The alternating mode minimises stagnation times. and guarantee a constant supply of soft water. Regeneration is volumetrically triggered, so no residual soft water is discarded during the process. Regeneration starts immediately after capacity is reached. The softening process occurs during the exchange of the hardness-forming calcium (Ca) and magnesium (Mg) ions for Na ions from the regenerant (brine) on the ion exchanger. The brine dosage is determined by a hydraulic level controller, and a sensor automatically records the brine volume. A device on the system disinfects the exchange material during regeneration. An infrared sensor monitors the fill level, which triggers an alarm when the salt level drops (below 20 %).

Applications

Rondomat Duo water softeners are suitable for partial and total softening of drinking water, process water, boiler feed water, cooling water and air-conditioning water. They minimise malfunctions and damage caused by a build-up of limescale in water pipes and connected system parts. The control valve, connecting pipes and exchange tanks have full thermal insulation using easy-to-install insulation shells. This prevents overheating of the water temperature and so maintains optimum hygiene standards.

	BWT RONDOMAT DUO 2.2 LF	BWT RONDOMAT DUO 3.2 LF	BWT RONDOMAT DUO 5.2 LF	BWT RONDOMAT DUO 6.2 LF	BWT RONDOMAT DUO 10.2 LF
Connection width	DN 32	DN 32	DN 50	DN 50	DN 50
Flow rate according to EN 14743	3 m³/h (13.2 gpm)	3 m³/h (13.2 gpm)	7.5 m³/h (33 gpm)	6.8 m³/h (29.9 gpm)	10 m³/h (44 gpm)
Flow rate 20°dH to 8°dH	3.7 m³/h (16.2 gpm)	5.5 m³/h (24.2 gpm)	9 m³/h (39.6 gpm)	11 m³/h (48.4 gpm)	18.1 m³/h (79.7 gpm)
Nominal capacity	2 m³ × 45 °dH (2 × 8 mol)	2 m³ × 93 °dH (2 × 17 mol)	2 m³ × 178 °dH (2 × 32 mol)	2 m³ × 250 °dH (2 × 44.7 mol)	2 m³ × 416 °dH (2 × 74 mol)
Operating pressure min./max.	2.5/8 bar (36/116 psi)	2.5/8 bar (36/116 psi)	2.5/8 bar (36/116 psi)	2.5/8 bar (36/116 psi)	2.5/8 bar (36/116 psi)
Salt tank	100 kg	100 kg	200 kg	200 kg	375 kg
Salt consumption per 100%	2 kg	3.7 kg	6 kg	8 kg	13.5 kg
Dimensions H × W × D	877 × 662 × 533 mm	1398 × 662 × 533 mm	1599 × 1212 × 610 mm	1599 × 1212 × 610 mm	1282 × 272 × 610 mm
ITEM CODE (AT-DE-FR)	**125626003**	**125626004**	**125626005**	**125626006**	**125626007**

Accessories

Designation	ITEM CODE (DE)
MULTIBLOCK CT DN 32 LF BWT RONDOMAT DUO 2.2 / 3.2 LEAD-FREE	**125626760**
UNIVALVE BLOCK BWT RONDOMAT DUO 5.2 / 6.2	**11822**
MULTIBLOCK CT DN 50 LF BWT RONDOMAT DUO 10.2 LEAD-FREE	**125626762**
CONNECTION SET DN 32 BWT RONDOMAT DUO 2.2 / 3.2 LEAD-FREE	**125694551**
CONNECTION SET DN 50 BWT RONDOMAT DUO 5.2 / 6.2 / 10.2 LEAD-FREE	**125694612**

Scope of delivery

Regenerating container 100 kg for Rondomat DUO Type 2.2 and 3.2
Regenerating container 200 kg for Rondomat DUO Type 5.2 and 6.2
Regenerating container 375 kg for Rondomat DUO Type 10.2

Optional connection accessories on pages 60-61

BWT Perla Pro L

Reduce

Improve

Water softener

Flow rate: **7 to 9.5 m³/h at WH 0 °F**
Resin volume: **50 to 150 L**



TECHNICAL BENEFITS

» Compact design **bi-bloc water softener**.

» **Simply Connect:** quick, easy and cost-effective connection.

Operation

BWT softener technology consists of removing limescale by ion exchange using high-tech resins. Scaling salts (calcium and magnesium) are retained, softening the water. BWT Perla Pro L devices are equipped with advanced technology to handle high flow rates. Can be operated in duplex or triplex, in parallel or alternating assembly with alternating kit.

Applications

BWT softeners in the Simply Connect range are designed for use in the residential, commercial, hotel, restaurant and healthcare sectors, for these applications:

- filling HVAC systems,
- protection for washing machines and steam ovens,
- domestic hot water production,
- supplying industrial processes (e.g. cooling towers, boilers, technical circuits, cooling water, etc.).

Standard equipment

Softener supplied complete with:

- a polymer valve (Noryl),
- Simply Connect system: meter, bypass, mixer valve, built-in hoses,
- an electronic control panel,
- provide a 230V/50 Hz power socket.

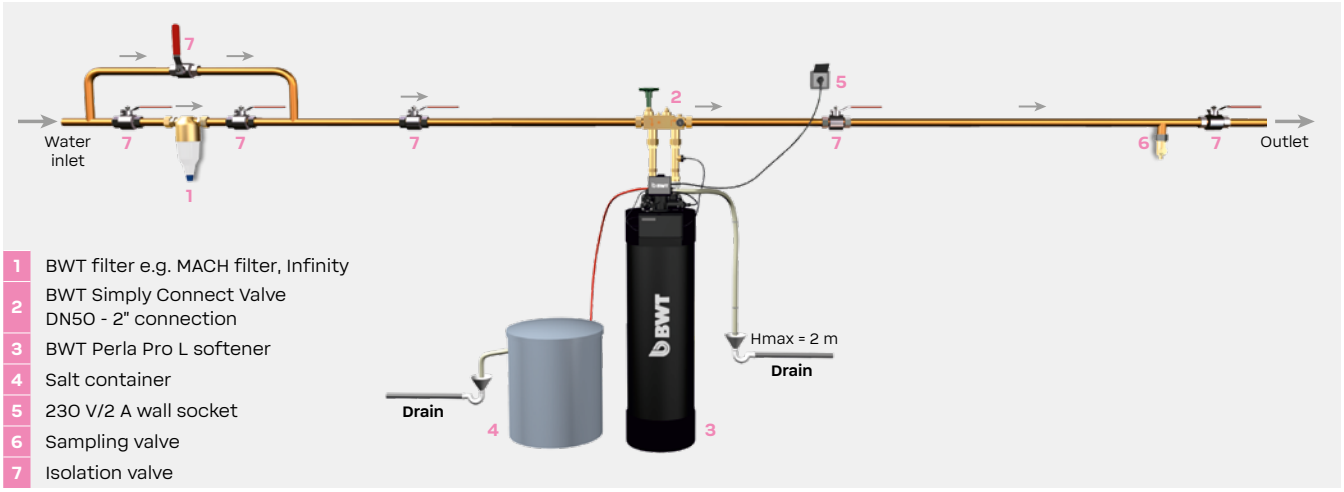
	BWT PERLA PRO L 50	BWT PERLA PRO L 75	BWT PERLA PRO L 125	BWT PERLA PRO L 150
Resin volume	50 L	75 L	125 L	150 L
Connection diameter	DN 50/2"	DN 50/2"	DN 50/2"	DN 50/2"
Instantaneous operating flow at WH < 0.2 °F*	7 m³/h (30.8 gpm)	7 m³/h (30.8 gpm)	7 m³/h (30.8 gpm)	9.5 m³/h (41.8 gpm)
Min dynamic pressure (dynamic) /max (static)	2/7 bar (29/101.5 psi)	2/7 bar (29/101.5 psi)	2/7 bar (29/101.5 psi)	2/7 bar (29/101.5 psi)
Maximum water temperature	35 °C	35 °C	35 °C	35 °C
First salt fill	125 kg	125 kg	200 kg	200 kg
Salt container service life	21 reg.	10 reg.	15 reg.	12 reg.
Floor load	450 kg	500 kg	550 kg	850 kg
Softener body diameter × Softener height	375 × 1,350 mm	375 × 1,830 mm	425 × 1,830 mm	460 × 1,920 mm
Salt container dimensions(Ø × H)	530 × 750 mm	565 × 1,125 mm	720 × 800 mm	720 × 800 mm
ITEM CODE (AT-DE-FR)	**125548928**	**125548929**	**125548930**	**125548931**

*1 bar load loss.

Accessories & Consumables

Designation	ITEM CODE
RESIN CHLORINATION KIT (UP TO 125 L)	**P0011507**
PACK AQA CLEAN CT1 NEW-50-150L	**125666100**
T-FITTING FOR WH 0 °F SIMPLY CONNECT	**P0073422**
MIXING VALVE DN 32/1"¼	**125639923**
LOW SALT SENSOR	**C0261545**
BY-PASS ELIMINATION KIT	**P0001791**
ALTERNATING KIT	**P0005702**
RINSE KIT	**125549765**
SALT TABLETS - 25 KG	**94239**
FLOW INTERRUPTION CONNECTION (UP TO 150 L OF RESIN)	**125665885**

Installation recommendation



1. BWT filter e.g. MACH filter, Infinity
2. BWT Simply Connect Valve DN50 - 2" connection
3. BWT Perla Pro L softener
4. Salt container
5. 230 V/2 A wall socket
6. Sampling valve
7. Isolation valve

BWT Perla Pro XL

Reduce Improve Protect

Water softener

Flow rate: **12 m³/h**
Resin volume: **125 and 250 L**

TECHNICAL BENEFITS

» **Reduced water and salt consumption** with the Top-Out design.

» **Innovative Top-Out design:** water flows through the resin from bottom to top.



Operation

BWT softener technology consists of removing limescale by ion exchange using high-tech resins. Scaling salts (calcium and magnesium) are retained, softening the water. BWT Perla Pro XL units feature innovative reverse flow technology inside the unit (water circulates from the bottom to the top through the softening resin), as well as a sensor to monitor the quality of the discharge during regeneration phases. These innovations enable BWT Perla Pro XL appliances to generate significant operating savings (water and salt, compared with standard appliances) and also to optimize the volume of resin needed to run your facilities. Can be operated in duplex or triplex, in parallel or alternating assembly with alternating kit.

Applications

BWT water softeners in the Perla PRO range are designed for collective housing, the service sector, hotels, catering and the health sector, for applications in:

- filling HVAC systems,
- protecting washing machines and steam ovens,
- process supply (e.g. cooling water towers, technical circuits, cooling water, etc.).

Standard equipment

Softener supplied complete with:

- a synthetic material valve with regeneration bypass and integrated meter,
- a DN 50/2"(SC) connection,
- fibreglass-reinforced polyester body: no risk of corrosion,
- an electronic control panel,
- a resin approved for use in water for human consumption,
- a Simply Connect connection system: by-pass, mixer valve, built-in hoses,
- an electrolysis cell for resin disinfection during each regeneration,
- provide a 230V/50 Hz power socket.

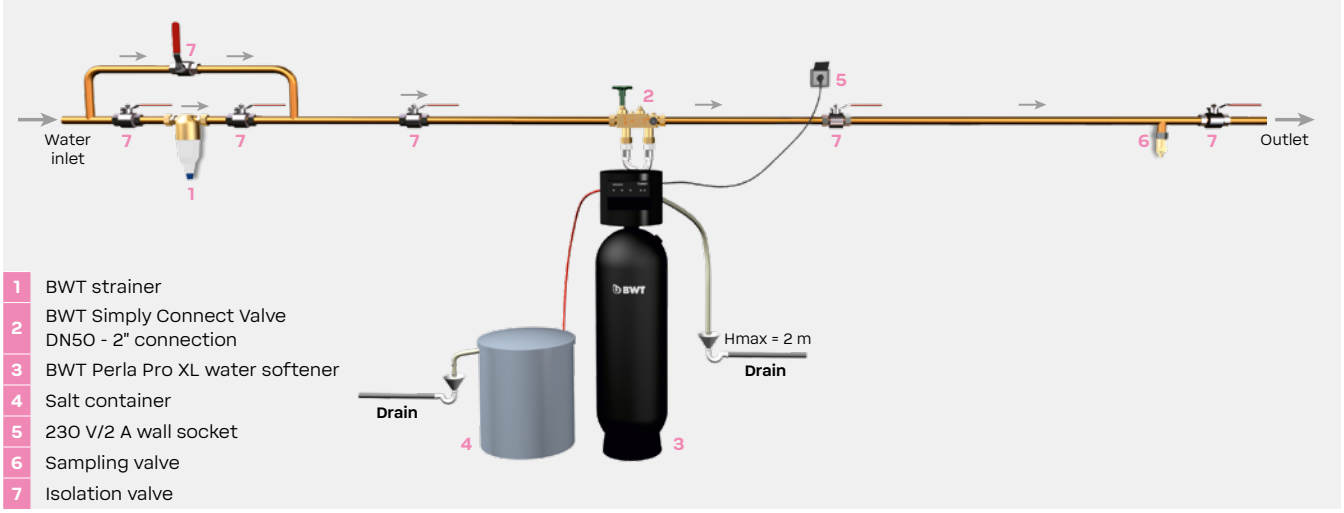
	BWT PERLA PRO XL 125	BWT PERLA PRO XL 250
Resin volume	125 L	250 L
Connection diameter	DN 50/2"	DN 50/2"
Instantaneous operating flow at WH < 0.2 °F*	12 m³/h (52.8 gpm)	12 m³/h (52.8 gpm)
Min dynamic pressure (dynamic)/max (static)	2/7 bar (29/101.5 psi)	2/7 bar (29/101.5 psi)
Maximum water temperature	35 °C	35 °C
First salt fill	200 kg	200 kg
Salt container service life	23 reg.	9 reg.
Floor load	250 kg	350 kg
Diameter of the softener body × Height of the softener	560 × 1,375 mm	560 × 2,095 mm
Salt container dimensions(Ø × H)	720 × 800 mm	720 × 1,435 mm
ITEM CODE (AT-DE-FR)	**125300243**	**125300246**

Other models on request.
*1 bar load loss.

Accessories & Consumables

Designation	ITEM CODE
PACK AQA CLEAN CT2 NEW-150-300L	**125666101**
T-FITTING FOR WH 0 °F SIMPLY CONNECT	**P0073422**
MIXING VALVE DN 32/1"¼	**125639923**
DN 50/2" MIXING VALVE	**P0001924**
LOW SALT SENSOR	**C0261545**
BY-PASS ELIMINATION KIT	**125301884**
ALTERNATION KIT	**125301892**
SALT TABLETS - 25 KG	**P0009249**
TAPPING POINT	**125299220**
RINSE KIT	**125576278**

Installation recommendation



1. BWT strainer
2. BWT Simply Connect Valve DN50 - 2" connection
3. BWT Perla Pro XL water softener
4. Salt container
5. 230 V/2 A wall socket
6. Sampling valve
7. Isolation valve

BWT PowerMIX 1500 & 4500

Improve

Well water softener

Flow rate: **5.5 to 11.4 m³/h**
DN: **40 to 50**



TECHNICAL BENEFITS

- **Water volume-based regeneration**.
- **Automatic cleaning**.
- **Safe, sustainable and high-performance filtration**.
- **Multilanguage menu**.
- **Ecomix® C media inside**.

Operation

BWT PowerMIX well-water softener is designed to remove hardness, iron, manganese and organics by using high-tech media, Ecomix C.
During the filter operation, the water flows from top to bottom through the filter bed and efficiently removes hardness, iron, manganese, ammonium and organics. When the filter media is set up, it automatically starts regeneration like a water softener.

Applications

BWT PowerMIX softeners deliver reliable and efficient water treatment for residential and industrial applications. They are designed to meet a wide range of water treatment requirements: Hardness, iron, manganese and organic matter removal.

Standard equipment

- Possibility to change the cycle of regeneration stages and their range of time.
- Multi-system mode, up to 8 system to the system controller.
- Duplex installation possible - double flow rate during peak consumption.
- Connection kit on request.

	BWT POWERMIX 1500	BWT POWERMIX 4500
Connection diameter	DN 40/1"½	DN 50/2"
Type of medium	Ecomix® C	Ecomix® C
Max. flow	5.5 m³/h (24.2 gpm)	11.4 m³/h (50,2 gpm)
Washing flow rate	2.3-3.3 m³/h (10.1-14.5 gpm)	4.6-6.9 m³/h (20.2-30.3 gpm)
Min/max dynamic pressure	2/6 bar (29/87 psi)	2/6 bar (29/87 psi)
Min/max water temperature	4/30 °C	4/30 °C
Dimensions (Ø × H)	Ø 560 × 1970 mm - vessel Ø 620 mm - brine tank	Ø 780 × 2430 mm - vessel Ø 900 mm - brine tank
ITEM CODE (AT-DE)	**125694020**	**125694019**

Subject to alterations and errors excepted.

Ecomix®

Filter media for well water

TECHNICAL BENEFITS

- **Reduces iron, manganese and ammonium concentration.**
- **Effectively reduces organic matter - bad smell and taste.**
- **Softens water hardness.**



Applications

Scientifically grounded technology, confirmed by 6 patents and service world-wide since 1998.

Ecomix® C is regenerated with the same steps as normal softeners:

- backwash,
- brine rinsing,
- fast rinsing.

Calcium and magnesium ions are displaced from the cation exchange resin matrix with sodium ions. Iron and manganese compounds are removed by surface friction of FerroSorb beads in fluidized bed during backwash. HumiSorb exhibits a reversible mechanism of sorption of organic molecules, and is regenerated with chloride ions.

Efficiency & limitations

Handles seasonal variations in water composition even with significant changes in raw water quality.

Certification

1. WQA Gold Seal in compliance with the NSF/ANSI 44:2021, NSF/ANSI 61:2022, NSF/ANSI/CAN 372:2020
2. ACS
3. PZH

Raw water requirement and efficiency of purification

	ECOMIX® C
Hardness	750 ppm $CaCO_3$
Iron	15 mg/L
Manganese	3 mg/L
Chemical Oxygen Demand	20 mg O_2/L (Reduces by 80%)
Ammonium	4 mg/L
Service life	5 years
ITEM CODE DE - 12 L BAG	**10922 / 125698266**
ITEM CODE DE - 25 L BAG	**10923 / 125698265**

Consumables and Equipment

Perla Tabs / Asia special

BWT regeneration tabs in accordance with DIN EN 973, 25 kg bag



	REGENERATION TABS	ASIA SPECIAL REGENERATION TABS
	40 bags x 25 kg / pallet	40 bags x 25 kg / pallet
ITEM CODE (DE)	**94239**	**51953**

IoClean

BWT IoClean Commercial Technology (CT) is a unique cleaning tab specially developed for BWT Pearlwater systems. It is used to clean the ion exchanger resin and the regenerate tank. Minimum quantity to order: 39 folding boxes. (1 box contains 4 packs of IoClean or 6 packs of IoClean CT).



	IOCLEAN	IOCLEAN CT
ITEM CODE (DE)	**18188 E**	**125503659**

BWT Pearlwater check

For measuring water hardness.



	BWT PEARLWATER CHECK
ITEM CODE (DE)	**18994 E**

Sanitabs

BWT Sanitabs is a regeneration salt with an effective cleaning component in tablet form with Impressive hygienic effect. Sanisal FB (food and beverage industry) and Sanisal H (hotels, hospitals and schools) on request.



	SANITABS 8 KG
ITEM CODE (DE)	**94241**

Multiblock Module GIT

For rapid docking to the connection module (horizontal or vertical).



	MULTIBLOCK MODULE GIT
Connection width	DN 32
ITEM CODE (DE)	**51969**

Uni-valve Block

Water supply in acc. with German DWO during Interruption of the flow of water to the softener.



	FOR RONDOMAT DUO 1/2/3	FOR RONDOMAT DUO 6	FOR RONDOMAT DUO 6/10
Nominal connection width (water pipe)	DN 32	DN 40	DN 50
ITEM CODE (DE)	**11821**	**11822**	**11803**

Multiblock Module CT Lead-free

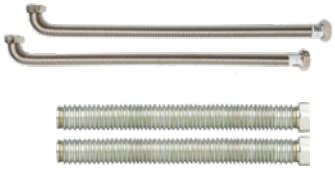


		MULTIBLOCK MODULE CT LEAD-FREE	
Connection width	DN 32 LF	DN 40 LF	DN 50 LF
ITEM CODE (AT-DE)	**125626760**	**125626761**	**125626762**

Subject to alterations and errors excepted.

Connection set

For Installation of BWT water softeners to the Multi-block module consisting of: 2 flexible armoured hoses with formed angles and cap nuts on both end seals.



	CONNECTION SET	
Connection width	DN 32	DN 50
ITEM CODE (AT-DE)	**125694551**	**125694612**

Multimat system separator

Prevents water not suitable for drinking from flowing back into the drinking water network. System separators are permitted as safety fittings up to category 4, in accordance with DIN EN 1717.



	MULTIMAT DN 20	MULTIMAT DN 25	MULTIMAT DN 32
Nominal pressure	PN 10	PN 10	PN 10
Nominal flow rate	3.5 m³/h (15.4 gpm)	3.5 m³/h (15.4 gpm)	14 m³/h (61.6 gpm)
Pressure drop	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Temperature max.	60 °C	60 °C	60 °C
Installation length	260 mm	280 mm	370 mm
ITEM CODE (DE)	**11932**	**11933**	**11934**



	MULTIMAT DN 40	MULTIMAT DN 50	MULTIMAT DN 65	MULTIMAT DN 80
Nominal pressure	PN 10	PN 10	PN 10	PN 10
Nominal flow rate	16 m³/h (70.5 gpm)	16 m³/h (70.5 gpm)	35 m³/h (154 gpm)	56 m³/h (247 gpm)
Pressure drop	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Temperature max.	60 °C	60 °C	60 °C	60 °C
Installation length	370 mm	394 mm	460 mm	460 mm
ITEM CODE (DE)	**11935**	**11936**	**11937**	**11938**

AQA sense RH

Control unit for monitoring the maximum permissible residual hardness after soft water systems, through regularly performed chemical analyses using indicators set to threshold values. BOB – Operation without supervision for up to 72 hours and fault notification possible in case of malfunction.



	AQA SENSE RH
Operating pressure	1/8 bar
Operating temperature max.	40 °C
Automatic intervals	0 – 99 min
Indicator solution/analysis	0.09 cm³
Electrical connection	230 V / 50 Hz
Dimensions (W × H × D)	380 × 480 × 280 mm
ITEM CODE (AT-DE)	**12664357**

INDICATOR SOLUTION				
Colour change at	BWT TH2005	BWT TH2025	BWT TH2100	BWT TH2100
ITEM CODE (AT-DE)	**125693316**	**125693317**	**125693318**	**125693319**

BWT Bewamat B

Reduce Improve Protect

Water softener < 3 m³/h

Flow rate: **1.6 to 1.7 m³/h**
Resin volume: **8 to 21 L**

BWT Best Water App

Download on the App Store

GET IT ON Google Play



TECHNICAL BENEFITS

- **Power Failure Protection:** settings saved; auto regeneration after outage. AQA Safe valve function.
- **Controlled hygiene: a**utomatic electrolysis self-disinfection; 72-hour anti-stagnation cycle.
- **Performance and safety:** Efficient water and salt use, volume-controlled backwash, precise brine meter.
- **Remote monitoring** via Best Water Home App.
- **Easy to install**.

Operation

The new BWT Bewamat B serie is a fully automatic simplex softener line, renowned for its robust performance, reliability and efficient silky-soft Pearlwater production. The Bewamat B series features Bluetooth, WiFi, and IoT integration, allowing easy connection to the BWT Best Water Home App for softener monitoring, AQA alerts, and maintenance notifications.

Applications

Three models available (10B, 25B, and 75B) offering different capacities suitable for households of 1 to 10 people. Designed for both decentralised and centralised (basement) installations. Prevents limescale damage, reduces detergent and shampoo needs, saves money, and supports a greener home.

	BWT BEWAMAT 10 B	BWT BEWAMAT 25 B	BWT BEWAMAT 75 B
Connection width	DN 32	DN 32	DN 32
Flow rate according acc. to EN 14743	1.6 m³/h (7 gpm)	1.7 m³/h (7.5 gpm)	1.7 m³/h (7.5 gpm)
Nominal capacity	20 m³ × °dH (3.6 mol)	30 - 49 m³ × °dH (5.4 - 8.8 mol)	54 - 84 m³ × °dH (9.6 - 15 mol)
Operating pressure min./max.	2.5/8 bar (36.2 - 116 psi)	2.5/8 bar (36.2 - 116 psi)	2.5/8 bar (36.2 - 116 psi)
Salt tank	14 kg	35 kg	50 kg
Salt consumption per regeneration	1 kg	1.2 - 1.8 kg	1.6 - 3.7 kg
Dimensions (H × W × D)	530 × 290 × 495 mm	802 × 290 × 525 mm	1090 × 390 × 560 mm
ITEM CODE	**125687412**	**125686906**	**125686907**

The key highlights

- AQA safe valve prevents water damage caused by flushing water in the event of a power failure.
- AQA Alert Warning Functions - Real-time app alerts for connected devices.
- AQA Watch - Detects leaks or faults and notifies users via app.
- AQA Volume - Warns in app if excessive softened water enters unit.
- AQA Max Flow - Immediate alert if water inflow exceeds 3,500 l/h.
- Tested and fully DVGW-compliant.

Subject to alterations and errors excepted.

BWT Perlamat



Water softener < 3 m³/h

Flow rate: **1.68 m³/h**
Resin volume: **25 L**



TECHNICAL BENEFITS

- **Controlled hygiene:** Via Bio Cell, to ensure periodical disinfections; salt level control via accurate infra-red sensor.
- **Performance and safety:** Enables consumption control, proportional regeneration, brine security valve – preventing possible overflows.
- **Easy to install** - Intuitive PCB by icons.

Operation

The BWT Perlamat water softener is designed for simple, automatic operation. Its intelligent control system manages the entire softening process, so there is no need for manual checks. The unit ensures eco-friendly performance by automatically regulating water and salt consumption during regeneration, delivering comfort and convenience every day.

Applications

Ideal for family homes, the BWT Perlamat is a carefully designed system for convenient water softening, featuring additional safety and comfort functions. Designed for both decentralised (under-sink) and centralised (basement) installations, it prevents limescale damage, reduces detergent and shampoo needs, saves money, and supports a greener home.

	BWT PERLAMAT 25
Flow rate	1.68 m³/h (7.3 gpm)
Resin volume	25 L
Operating pressure min./max.	2/6 bar (29/87 psi)
Connection	DN 25 (1")
Max salt capacity	19 kg
Dimensions (W × H × D)	276 × 803 × 470 mm
Treatment capacity	4 to 6 people
ITEM CODE	**125698207**

The Key Highlights

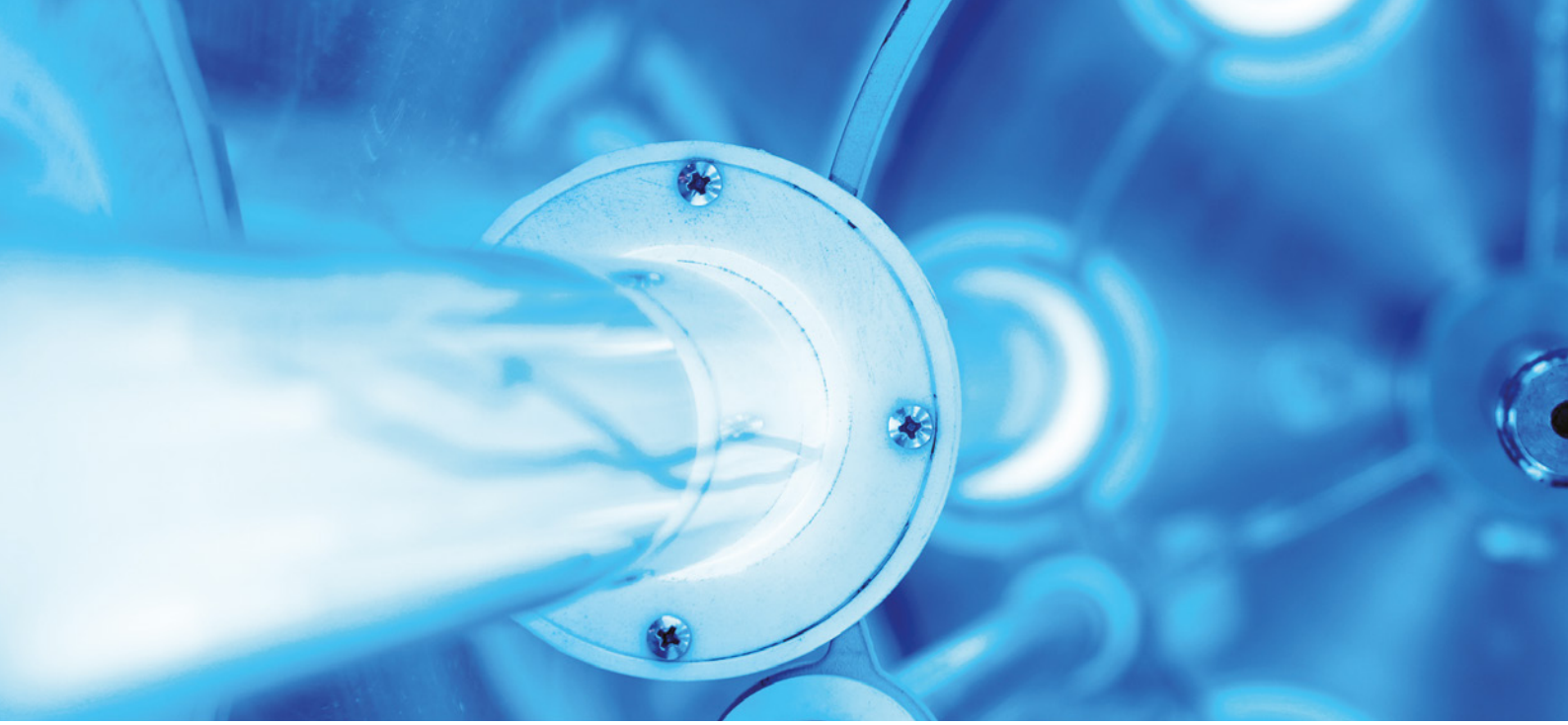
- Compact design - 87.2 cm high, ideal for small installation places.
- Screen information by icons, no translation needed in the PCB.
- Reliable technology: automatic regeneration & quiet operation.

Subject to alterations and errors excepted.


BWT
BEST WATER TECHNOLOGY

Disinfection

Hygiene - Safety - Health



Hygiene and Safety at all Water Points

How does UV light inactivate pathogenic germs?

Pathogenic microorganisms are the most critical risk factor associated with drinking water. Even after entering a building, ensuring perfect water quality at all times is not always obvious. The increasing dependence of private supplies, the reuse of water, the demand for higher quality water but also saving energy and water unintentionally leads to conditions that are favorable to the propagation of microorganisms and germs.

The use of UV rays to treat drinking water in public and domestic water supply has proven itself for decades. This technology does not require any chemical substances, but only an electromagnetic radiation with a certain wavelength. It does not change the colour, smell or taste of the treated water.

The most effective wavelengths for disinfection is 254 nm. After exposure to UVC light the genetic information (DNA) of bacteria and microorganism is damaged that heavily, that they are unable to reproduce and are this way harmless. This is the «pathogen inactivation».

BWT successfully started decades ago to implement UV technology in the drinking water industry. Constantly striving to develop existing technologies even further, we turn new ideas into ground-breaking products.

The BEWADES range is the result of this experience and know-how.

Reliable & Cost Effective

Corrosion-resistant stainless steel chamber

Higher performance with advanced components and efficient UV lamps

Boost productivity - low operating and maintenance costs

Green Technology

ZERO waste water

Chemical-free germ reduction

No harmful by-products

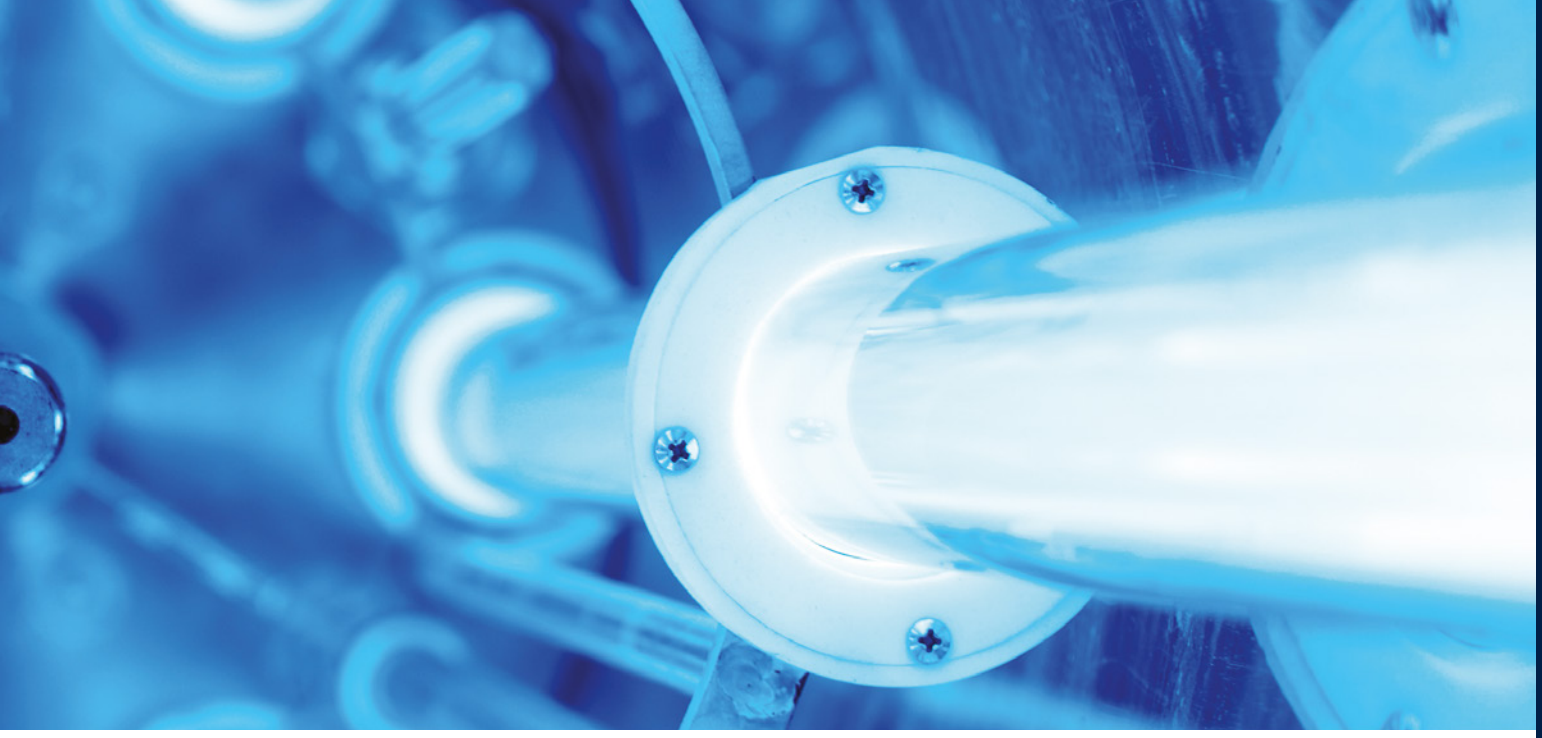
No negative side effects on health

Plug & Play

Easy installation and operation

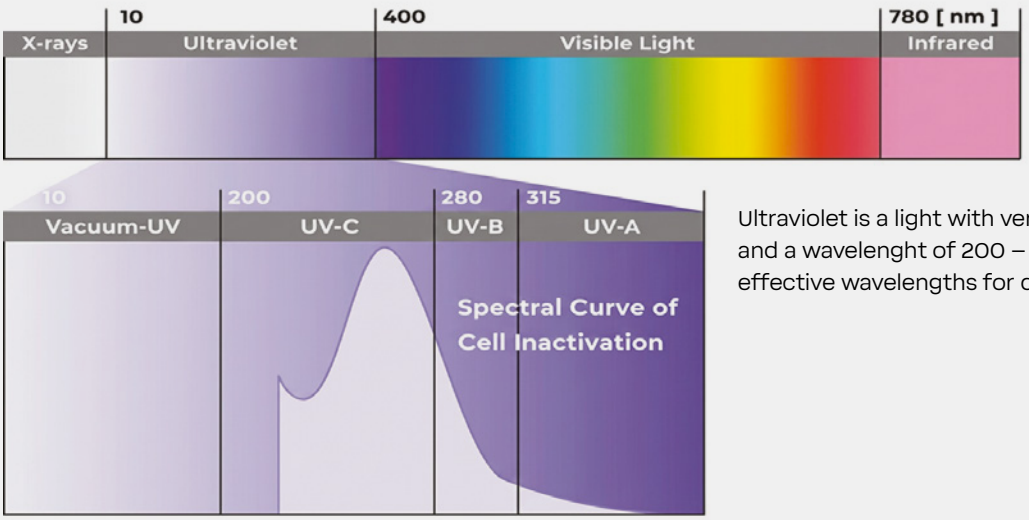
Microprocessor controlled for more comfort

Water quality continuously monitored



The BWT philosophy

Integrated microprocessor



Ultraviolet is a light with very high energy levels and a wavelenght of 200 – 400 nm. The most effective wavelengths for disinfection is 254 nm.

BWT Bewades UV Disinfection

At a glance







	BWT BEWADES BLUE	BWT BEWADES T	BWT BEWADES N
DESCRIPTION	For home water	Certified for drinking water	For drinking water
CONNECTION WIDTH	DN 15 - DN 25	DN 50 - DN 250	DN 32 - DN 200
FLOW RATE [400 J/M²] @ T = 70 % T100	0.5 - 3.5 m³/h (2.2 - 15.4 gpm)	5.9 - 342 m³/h (25.9 - 1,505.7 gpm)	4.0 - 251 m³/h (17.6 - 1,105 gpm)
MAX. OPERATING PRESSURE	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
24/7 MONITORING OF WATER QUALITY	optional	yes	yes
CONNECTION POWER	20 - 51 W	110 - 2455 W	180 - 1130 W
HIGHEST UV DOSAGE ACCORDING TO DVGW	Yes	Yes	Yes
	p. 76	p. 70	p. 71

Subject to alterations and errors excepted.

ADVICE
FROM OUR EXPERTS

Before installing a UV system, a water analysis is crucial for correct and efficient sizing. Key parameters to check are:

- UV transmittance (UVT) at 254 nm – the most critical factor for UV performance
- Turbidity – particles can shield microorganisms and reduce effectiveness
- Iron and manganese – absorb UV light and cause quartz sleeve fouling
- Color / organic matter – lowers the effective UV dose
- Hardness – can lead to scaling and increased maintenance
- Flow rate – the system must be sized for maximum peak flow to ensure the required UV dose

Proper water quality and correct hydraulic sizing are essential for reliable UV disinfection.







BWT BEWADES HI	BWT BEWADES LC	BWT BEWADES HP
For all waters of poorer quality, like well water	For rain water treatment or industrial applications	For high pressure applications
DN 20 - DN 200	DN 20 - DN 80	DN 80 - DN 125
2.4 - 328 m³/h (10.5 - 1,444.1 gpm)	2.4 - 38 m³/h (10.5 - 167.3 gpm)	38 - 90 m³/h (167.3 - 396.2 gpm)
10 bar (145 psi)	10 bar (145 psi)	25 bar (362 psi)
yes	–	yes
100 - 2100 W	75 - 450 W	450 - 850 W
Yes	Yes	Yes
p. 72	p. 73	p. 74

BWT Bewades T

TECHNOLOGY LEADER

UV disinfection

Flow rate: **5.9 to 342.1 m³/h**



TECHNICAL BENEFITS

- **Reliable disinfection** under varying flow and temperature conditions.
- **Energy efficiency**, extended lifespan and reduced service costs.
- **Stable & secure** operation.

Operation

DVGW Certified UV disinfection performance (3rd party validated) confirmed by microbiological tests for all drinking water applications.

Applications

BWT Bewades T UV systems are designed for high-flow installations where premium drinking water quality is essential.

Standard equipment

- Dynamic lamp heating for instant output adjustment and optimal disinfection.
- Homogenous UV dose - optimized flow behavior in the reactor, guarantees maximal flow output and minimum pressure loss.
- Low life-cycle costs with long-life, high-output lamps and low energy use.
- High flexibility thanks to vertical & horizontal installation.
- Durable control cabinet with efficient recirculation cooling and corrosion protection in aggressive ambient condition.

	BWT BEWADES T 80W80/ 14N	BWT BEWADES T 230W230/ 14N	BWT BEWADES T 350W350/ 17N	BWT BEWADES T 700W350/ 26N
Connection width	DN 50	DN 80	DN 100	DN 150
Max. flow rate [400 J/m²] @ T_{100} = 70 %	5.9 m³/h (25.9 gpm)	21.8 m³/h (95.9 gpm)	37.9 m³/h (166.8 gpm)	93.5 m³/h (411.6 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	110 W	310 W	430 W	835 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE PN10	**27025**	**27026**	**27027**	**27028**
ITEM CODE PN16	-	-	-	**27009**

	BWT BEWADES T 690W230/ 32N	BWT BEWADES T 1050W350/ 32N	BWT BEWADES T 1400W350/ 36N	BWT BEWADES T 2100W350/ 41N
Connection width	DN 150	DN 200	DN 200	DN 250
Max. flow rate [400 J/m²] @ T_{100} = 70 %	71.1 m³/h (313 gpm)	148.4 m³/h (653.3 gpm)	210.4 m³/h (926.3 gpm)	342.1 m³/h (1,506.2 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	825 W	1240 W	1645 W	2455 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE PN10	**27029**	**27030**	**27030**	**27032**
ITEM CODE PN16	**27010**	**27011**	**27012**	**27013**

Subject to alterations and errors excepted.

BWT Bewades N

PREMIUM WATER QUALITY

UV disinfection

Flow rate: **4 to 251 m³/h**





BWT Bewades Sensor Technology



TECHNICAL BENEFITS

- **Easy to use** UV control.
- **Highest operational safety**.
- **Low operating costs**.

Operation

Safe UV disinfection according to the norm.

Applications

BWT Bewades N units are designed to ensure water quality in environments where strict microbiological control is essential.

Standard equipment

- Sophisticated microprocessor based UV control II - easy to use.
- Validated sensor technology for highest operational safety.
- Electronic ballasts for a long lamp life and to compensate voltage fluctuations.
- CFD optimized hydraulically design ensures safe water disinfection and saves energy costs.
- According to the stringent, internationally recognized standards of the German Technical and Scientific Association for Gas and Water (DVGW).

	BWT BEWADES N 80W80/ 11N	BWT BEWADES N 200W200/ 11N	BWT BEWADES N 390W130/ 22N	BWT BEWADES N 600W200/ 22N
Connection width	DN R 1 ¼"	DN R 2"	DN 80	DN 80
Max. flow rate [400 J/m²] @ T_{100} = 70 %	4 m³/h (17.6 gpm)	8,4 m³/h (36.9 gpm)	24 m³/h (105.6 gpm)	57.5 m³/h (253.1 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	110 W	220 W	450 W	650 W
Expected lamp lifetime	8,000 h	8,000 h	12,000 h	12,000 h
ITEM CODE	**23282**	**23283**	**23288**	**23343**

	BWT BEWADES N 200W200/ 17N	BWT BEWADES N 390W130/ 27N	BWT BEWADES N 810W270/ 40N	BWT BEWADES N 1080W270/ 50N
Connection width	DN 50	DN 80	DN 150	DN 200
Max. flow rate [400 J/m²] @ T_{100} = 70 %	16.7 m³/h (73.5 gpm)	47.8 m³/h (210.5 gpm)	181.9 m³/h (800.9 gpm)	251 m³/h (1,105 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	220 W	450 W	850 W	1130 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE	**23353**	**23354**	**23289**	**23299**

BWT Bewades HI

HIGH INTENSITY UV FOR POOR WATER QUALITIES

UV disinfection

Flow rate: **2.4 to 328 m³/h**



TECHNICAL BENEFITS

- **Strong UVC output even** in low transmittance water.
- **Effective disinfection even** in turbid conditions.
- **Customizable design** configured to order.

Operation

UV units designed with all features complying with German DVGW standards.

Applications

UV units, ideal for well water or to treat poor water qualities with low UV transmittance.

Standard equipment

- High density of lamps per diameter.
- Sophisticated microprocessor based UV control II - easy to use.
- Validated sensor technology for highest operational safety.
- Electronic ballasts for a long lamp life and to compensate voltage fluctuations.

	BWT BEWADES HI 70W70/ 08HI	BWT BEWADES HI 400W200/ 17HI	BWT BEWADES HI 800W200/ 22HI	BWT BEWADES HI 1000W200/ 22HI	BWT BEWADES HI 1200W200/ 27HI
Connection width	DN 20	DN 80	DN 125	DN 125	DN 150
Max. flow rate [400 J/m²] @ T_{100} = 70 %	2.4 m³/h (10.5 gpm)	38 m³/h (167.3 gpm)	90 m³/h (396.2 gpm)	109 m³/h (479.9 gpm)	158 m³/h (695.6 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	100 W	450 W	850 W	1100 W	1300 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE	**23373**	**23050**	**23052**	**23053**	**23054**

	BWT BEWADES HI 1400W200/ 32HI	BWT BEWADES HI 1600W200/ 35HI	BWT BEWADES HI 1800W200/ 35HI	BWT BEWADES HI 2000W200/ 40HI
Connection width	DN 150	DN 200	DN 200	DN 200
Max. flow rate [400 J/m²] @ T_{100} = 70 %	207 m³/h (911.3 gpm)	248 m³/h (1,091.9 gpm)	276 m³/h (1,215.1 gpm)	328 m³/h (1,444.1 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	1500 W	1700 W	1900 W	2100 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE	**23055**	**23056**	**23057**	**23058**

Subject to alterations and errors excepted.

BWT Bewades LC

ECONOMICAL & RELIABLE
WATER HYGIENE

UV disinfection

Flow rate: **2.4 to 38 m³/h**



TECHNICAL BENEFITS

- **Economical and reliable water hygiene.**
- **Simplified control functions.**
- **Cost competitive.**

Operation

The reactor design is derived from the proven Bewades N series for maximum efficiency. These UV units offer simple, robust, and reliable operation, ensuring consistent water disinfection. The system is engineered for durability and ease of use, making it ideal for continuous operation in warm climates.

Standard equipment

- Integrated cooling fan for warm climates requirements.
- Easy control displaying total hours of operation and lamp performance.
- Compact design for easy Installation and servicing.
- Potential-free contact for lamp failure connection to building control.

	BWT BEWADES LC 70W70/ 08LC	BWT BEWADES LC 80W80/ 11 LC	BWT BEWADES LC 100W100/ 11LC	BWT BEWADES LC 200W200/ 11LC	BWT BEWADES LC 400W200/ 17 LC
Connection width	DN 20	DN 32	DN 50	DN 50	DN 80
Max. flow rate [400 J/m²] @ T_{100} = 70 %	2.4 m³/h (10.5 gpm)	4.2 m³/h (18.5 gpm)	6.8 m³/h (29.9 gpm)	13 m³/h (57.2 gpm)	38 m³/h (167.3 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	75 W	90 W	110 W	220 W	450 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h	12,000 h	12,000 h
ITEM CODE	**23374**	**23084**	**23085**	**23059**	**23346**

Subject to alterations and errors excepted.

BWT Bewades HP

HIGHER PRESSURE RATING

UV disinfection

Flow rate: **38 to 90 m³/h**



TECHNICAL BENEFITS

- **High tolerances** to net fluctuations ensure operating stability and security.
- **Analogue signals for BMS connection**.
- **Configured to order**, therefore high customization possible.

Operation

Reinforced construction for high pressure applications up to 25 bar - e.g. high-rise buildings

Standard equipment

- Unique technology & sophisticated microprocessor based UV control II.
- Superior welding performance – engineered by BWT– to withstand extreme conditions.
- Validated sensor technology for highest operational safety.

	BWT BEWADES HP 400W200/ 17HP	BWT BEWADES HP 600W200/ 22HP	BWT BEWADES HP 800W200/ 22HP
Connection width	DN 80	DN 100	DN 125
Max. flow rate [400 J/m²] @ T_{100} = 70 %	38 m³/h (167.3 gpm)	65 m³/h (286.1 gpm)	90 m³/h (396.2 gpm)
Operating pressure max.	25 bar (362 psi)	25 bar (362 psi)	25 bar (362 psi)
Connection power	450 W	650 W	850 W
Expected lamp lifetime	12,000 h	12,000 h	12,000 h
ITEM CODE	**23367**	**23368**	**23369**

Subject to alterations and errors excepted.

BWT RO$_3$UV

UV & ozon disinfection

Flow rate: **5 to 10 m³/h**



TECHNICAL BENEFITS

- **Automatic and unattended operation** – without manual intervention.
- **24/7 safe and healthy water** – continuous water supply.
- **Virtually maintenance-free** – only one annual service required.

Operation

BWT RO$_3$UV combines two different water treatment methods:
UV safely disinfects the water while passing the unit, the subsequently injected ozone is dragged along and continues the job in tank and pipe. This way, not only the stored water but also the installation is kept free of any microbiological growth. In line with our company philosophy the process works completely free of chemicals: An Ultra Violet System (UV) purifies the water in the most natural way like the sun. Furthermore, RO3UV generates Ozone just from ambient air. Ozone decomposes back to oxygen after having fulfilled its task quickly and effi ciently.

Applications

Hygiene Management for roof top tanks and water storage tanks in general. To protect water against contamination during storage

Standard equipment

- Quick status feedback via the color of the illuminated BWT drop.
- High operational security thanks to a modular design and the unique two stage approach (UV and Ozone).
- High quality painted sheet steel housing for IP54 protection.
- For wall mounting.
- For freestanding installations an optional rack is necessary.

	BWT RO$_3$UV 10	BWT RO$_3$UV 25	BWT RO$_3$UV 50
Connection width	DN 25	DN 40	DN 40
Max. flow rate	5 m³/h (22 gpm)	10 m³/h (44 gpm)	10 m³/h (44 gpm)
Nominal ozone production capacity	0.5 g/h	1 g/h	2 g/h
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	90 W	180 W	270 W
Expected lamp lifetime	9,000 h	9,000 h	9,000 h
ITEM CODE	**23132**	**23035**	**23034**

Optional accessories

Designation	ITEM CODE
MOUNTING FRAME	**1-313103**

Subject to alterations and errors excepted.

BWT Bewades blue

FOR POINT-OF-USE & POINT-OF-ENTRY

User friendly UV technology

Flow rate: **0.5 to 3.5 m³/h**



TECHNICAL BENEFITS

- **Color display** with clear text messages.
- **Very robust online sensor** (optional) monitoring permanently the systems performance and alarming if the water is unsafe to drink.
- **High grade stainless steel reactor, very hygienic and corrosion resistant**.
- **Reliable, long life UV lamp** (9,000 hours).
- **Electronic controller** in a splash proof case, virtually eliminates common water damage issues.

Operation

BWT provides the ultimate UV protection for your home with the optional inclusion of a true 254nm Teflon® based UV sensor that continuously monitors the performance of the UV system and displaying the output via a colour screen. In addition to UV output, diagnostics, system status, warnings, even QR codes are included. With the integral expandability port, the addition of a 4-20 mA output or a remote alarm is a simple plug-and-play option!

Applications

- Future proof expandibility for future upgrades & options.
- Axial flow polished reactor, designed and manufactured to ASME pressure vessel standards.
- Free floating, keyed-in-place UV sensor.
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed).

The key highlights

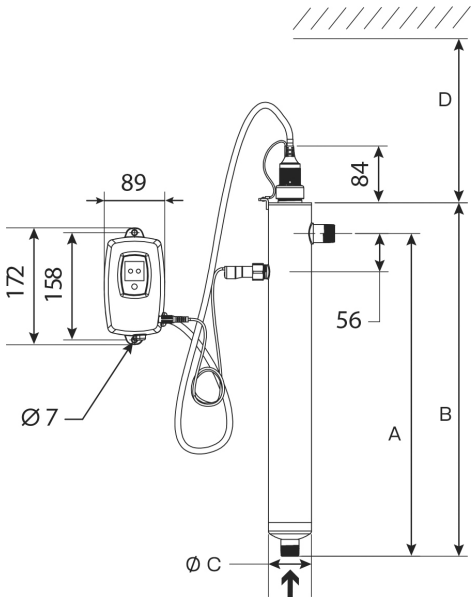
- Intuitive handling - One look info
- Robust, hygienic and resistant corrosion
- Easy to install complete set - inclusive wall mounting kit

	BWT BEWADES BLUE 0.5	BWT BEWADES BLUE 1.0	BWT BEWADES BLUE 2.0	BWT BEWADES BLUE 2.5	BWT BEWADES BLUE 3.5
Connection width	DN 15	DN 20	DN 20	DN 25	DN 25
Max. flow rate, [400 J/m²] @T_{10}=95%	0.5 m³/h (2.2 gpm)	1.0 m³/h (4.4 gpm)	2.0 m³/h (8.8 gpm)	2.5 m³/h (11 gpm)	3.5 m³/h (15.4 gpm)
Operating pressure max.	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Connection power	20 W	30 W	49 W	62 W	51 W
Expected lamp lifetime*	9,000 h	9,000 h	9,000 h	9,000 h	9,000 h
ITEM CODE BASIC UNIT (DE)	**23391**	**23392**	**23393**	**23394**	**23395**
ITEM CODE SENSOR (OPTIONAL) (DE)	**23850**	**23850**	**23850**	**23850**	**23851**

*depends on operating conditions

Accessories

Designation	ITEM CODE (DE)
UV-SENSOR BEWADES BLUE 0.5-2,5	**23850**
UV-SENSOR BEWADES BLUE 3,5	**23851**
CONTROLER BEWADES BLUE	**23852**
UV-LAMP BEWADES BLUE 0.5	**23853**
UV-LAMP BEWADES BLUE 1.0	**23854**
JV-LAMP BEWADES BLUE 2.0	**23855**
UV-LAMP BEWADES BLUE 2.5	**23856**
UV-LAMP BEWADES BLUE 3.5	**23857**
QUARTZ GLAS TUBE BEWADES BLUE 0.5	**23858**
QUARTZ GLAS TUBE BEWADES BLUE 1.0	**23859**
QUARTZ GLAS TUBE BEWADES BLUE 2.0	**23860**
QUARTZ GLAS TUBE BEWADES BLUE 2.5	**23861**
QUARTZ GLAS TUBE BEWADES BLUE 3.5	**23862**
BEWADES BLUE SHUTT-OFF MODULE 230V	**23863**
BEWADES BLUE SIGNAL-MODUL 4-20MA	**23864**
BEWADES BLUE REMOTE ALARM-MODULE	**23865**



	0.5	1.0	2.0	2.5	3.5
A	297 mm	475 mm	828 mm	1015 mm	880 mm
B	364 mm	520 mm	873 mm	1060 mm	925 mm
C	63.5 mm	63.5 mm	63.5 mm	63.5 mm	88.9 mm
D	361 mm	541 mm	891 mm	1087 mm	925 mm
E	½"	¾"	¾"	1"	1"

Reverse Osmosis

Ultrapure Water





Reverse Osmosis

Ultrapure water for laboratories, air conditioning technology, health facilities and more

Interesting Facts

Reverse osmosis (RO) is a method borrowed from nature. The technology has been tried-and-tested in water treatment systems all over the world for decades.

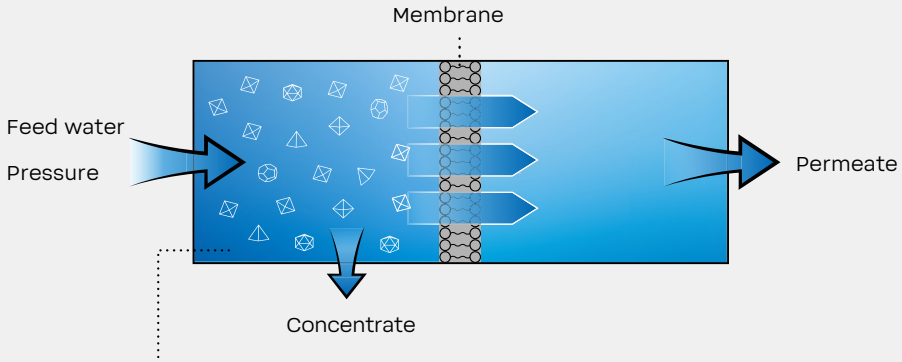
The natural osmosis process is reversed with reverse osmosis. This means water is pressed through a semi-permeable membrane at high pressure. Pure water molecules can pass through this without problems due to their molecular size. Dissolved salts, such as nitrates, sulphates and chlorides together with heavy metals and even microorganisms, such as bacteria, are filtered out.

The feed water flow is separated under pressure into pure water (permeate) and the undesirable substances (concentrate). The so-called concentrate is discarded, while the permeate is supplied to the intended technical use.

Through the reverse osmosis, the salt content of the water is reduced by approx. 97-98 %, thus reducing the conductibility of 500 µS/cm in the untreated water to approx. 10µS/cm in the permeate.

Various Uses

The advantages of the consistent high-purity water quality of reverse osmosis are finding ever new fields of use. The low-germ and low-pollutant water with the lowest conductibility ensures functional security and the best results for work and production processes in laboratory technology, in health facilities, dental practices and dental laboratories, in air conditioning technology and in building cleaning.



Disssolved solids (nitrates, sulfates, chlorides, heavy metals, micro organism, etc.)

Laboratory Technology

Through reverse osmosis, demineralised water can have many uses in a modern laboratory, e.g. as a solvent for analyses, for steam production for sterilisers or for use in laboratory washers.

Air Conditioning Technology

Incrustations by hard water or biological films lead to blockages and inefficiency of the air conditioning equipment. This is why renowned manufacturers generally recommend the use of low-salt water (reverse osmosis).

Health Facilities

In the pharmaceutical industry and in medical research, low-salt water is used for sensitive laboratory applications or in sterile preparation. In addition, cleaning and disinfection appliances are operated with it.

Dental Laboratories & Practise

In dental laboratories, the main fields of use for reverse osmosis water are in the field of autoclaves, sterilisers, washers and other equipment needed for general laboratory purposes.

To meet all capacity levels and application areas, BWT offers a comprehensive range of professional RO systems:

RO Systems for High Capacity (> 2,000 L/h)

Designed for industrial and large laboratory environments that require very high volumes of ultrapure water.

RO Systems for Medium Capacity (< 2,000 L/h)

Robust and efficient solutions suitable for laboratories, clinics, air-conditioning technology, and other technical uses.

RO Systems for Small Installations & Residential Use

Compact and efficient systems ideal for small commercial units and residential applications. High-performance versions are available for sensitive technical uses where elevated permeate quality is required.

Reverse Osmosis

Reverse osmosis is a process that is widely used to remove dissolved elements and compounds (e.g. calcium, magnesium, sodium, potassium, arsenic, barium, strontium, chlorides, nitrates, sulphates, bicarbonates, nanobots, nitrites, fluorides, heavy metals) as well as molecular compounds (e.g. herbicides, pesticides, organohalogenates, silica and organic substances), and microorganisms from water. Reverse osmosis is ideally suited to supplying the most sophisticated equipment (atomisers, air conditioners, sterilisers, etc.).

		
	BWT ROC ULTRA	**BWT BESTAQUA ROC**
APPLICATIONS	Complete deionization of drinking water and thus to protect sensitive equipment (e.g. steam generators, electrolytic systems etc.) from salt deposits and other impurities.	Ideal water for laboratories, medical technology, small industrial processes.
DESCRIPTION	Complete Plug & Play kit including a reverse osmosis unit and a demineralisation cartridge.	Complete Plug & Play. Equipped with the BWT bestaqua membrane, it delivers consistent water quality for a wide range of commercial applications.
PRODUCT BENEFITS	Easy to install under a worktop	Easy to install under a worktop
	Efficient in producing demineralized water in large quantities	Sustainable due to very low wastewater generation and resource consumption
	Easy monitoring and control via Bluetooth app	Easy monitoring and control via Bluetooth app
	Smartphone application for monitoring water quality at the osmosis unit outlet	Resource-saving plug-and-play technology – unpack, connect and get started
	Resource-saving plug-in technology – unpack, connect and start	Fine sensor technology (flow rate & pressure, conductivity meaurement, temperature, etc.)
	User-friendly filter replacement (no tools needed)	User-friendly filter replacement (no tools needed)
	Demineralized water output 100 l/h	Infinitely adjustable bypass setting for targeted, demand-based demineralization
	p. 94	p. 95

ADVICE
FROM OUR EXPERTS

When designing and installing an RO system for POE or industrial use, a reliable water analysis is a fundamental requirement.

General water quality parameters such as:

- salinity (TDS)
- hardness
- iron and manganese
- turbidity and particulate load, oxidants (e.g. free chlorine)
- pH, silica, and temperature must be considered, as they directly affect membrane selection, pretreatment concept, recovery rate, operating pressure, and overall system efficiency.

In POE and industrial applications, stable inlet water quality, correct pretreatment, and conservative system sizing are especially critical to ensure continuous operation, protect downstream processes, and achieve long membrane lifetime.







BWT PERMAQ PICO	BWT RO MO 4"	BWT RO MO 8"
Production of osmosis water for use in: medical - health/industry /laboratories/Gastronomy	Production of osmosis water for use in: HVAC systems/washing units/steam boilers, breweries, gardens & greenhouses.	Production of osmosis water for public buildings and industry
Compact osmosis unit that can operate on-line, off-line and in double osmosis for improved water quality (< 5 µS/cm). Unit without permeat tank also available.	Compact skid-mounted RO, efficient for the treatment of water with the TDS up to 3 000 ppm. Equipped with high quality components for the reliable operation.	Compact RO, reliable reverse osmosis unit for the treatment of the water with TDS up to 3,000 ppm
Quick and easy to install	Easy commissioning & maintenance	Easy commissioning & maintenance
Wide range of osmosis water production systems	Predesigned options for tailor-made solutions	Reliable and stable performance thanks to high-quality components
Flowmeter on raw water and permeate	Control panel with conductivity meter	Control panel with conductivity meter
Interval rinsing to optimize hygiene	Fexible flow adjustment for various feed water	Fexible flow adjustment for various feed water
Permeate yield greater than 80% (in softened water)	Compatible with open and pressurised storage tanks	5µ sediment pre-filters included
Off and on-line operation	Automatic scheduled stop for on-time maintenance	Integrated CIP ports
Reduced footprint	Integrated float switch	Pre-designed options for tailor-made solutions
p. 86	p. 90	p. 92

BWT PERMAQ Pico

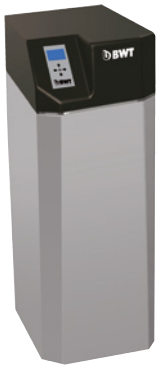
At a glance

Example of applications:
The process of creating ice in arenas is both dedicate and energy-intensive, with water quality being a key factor. That's why the ice masters of renowned ice rinks rely on water that has been optimally treated by our water softeners such as the Rondomat Duo and our reverse osmosis sytems: Permaq PICO Vario.



	BWT PERMAQ PICO ONLINE
APPLICATION	Constant water demand
PERMEAT TANK	Membrane pressure tank required
FLOW RATE	160-2500 L/h
WATER YIELD PERMEAT	up to 80%
SALT RETENTION RATE	up to 98%
CONSTANT PERMEATE PRESSURE AND OUTPUT DURING CONSUMPTION	–
OUTPUT PRESSURE ADJUSTABLE	–
MINIMUM WATER CONSUMPTION REQUIRED	–
ENCLOSED SYSTEM IN PROTECTIVE HOUSING	✓
FULLFIT HYGIENE DESIGN	✓
SIMPLE MEMBRANE EXCHANGE	✓
HYGIENE FUNCTION	✓
INTEGRATED CLEANING PROGRAM	✓
COMMUNICATION MODULE OPTIONAL	✓
MOST UNIQUE FEATURE	**Smallest footprint in the market and unique construction**
	Note @ 3 bar inlet counter pressure





BWT PERMAQ PICO OFFLINE	BWT PERMAQ® PICO VARIO
Varying water demands	Water on demand
Pressureless tank and booster pump required	Not required
200-2800 L/h	60-2100 L/h
up to 80%	
up to 98%	
–	✓
–	✓
–	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
Smallest footprint in the market and unique construction	
@ 2 bar inlet pressure	@ 3 bar inlet counter pressure

Subject to alterations and errors excepted.

BWT PERMAQ Pico

Protect

Compact osmosis unit

Flow rate: **200 to 2,800 L/h**



TECHNICAL BENEFITS

- **Quick and easy to install**.
- **Wide range of** osmosis water production.
- **Reduced footprint**.
- **Interval rinsing to optimize hygiene**.
- **Permeate yield greater than 80%** (in softened water).
- **Off and on-line operation**.
- **Flowmeter on raw water and permeate**.

Operation

BWT Permaq Pico FT osmosis units are compact units for producing osmosis water. They transform drinking water into pure water that meets the most stringent technical requirements. The BWT Permaq Pico FT is ready for use on site with or without a tank, off or on-line. Double osmosis operation possible by combining an On-line model with an Off-line model (Conductivity < 5 µS/cm).

Applications

A wide range of applications require demineralised water quality: air conditioning, industrial processes, washing, spraying, autoclaves, printing, laboratories, gastronomy, etc.

Standard equipment

BWT Permaq Pico FT osmosis units are available in 14 different models.

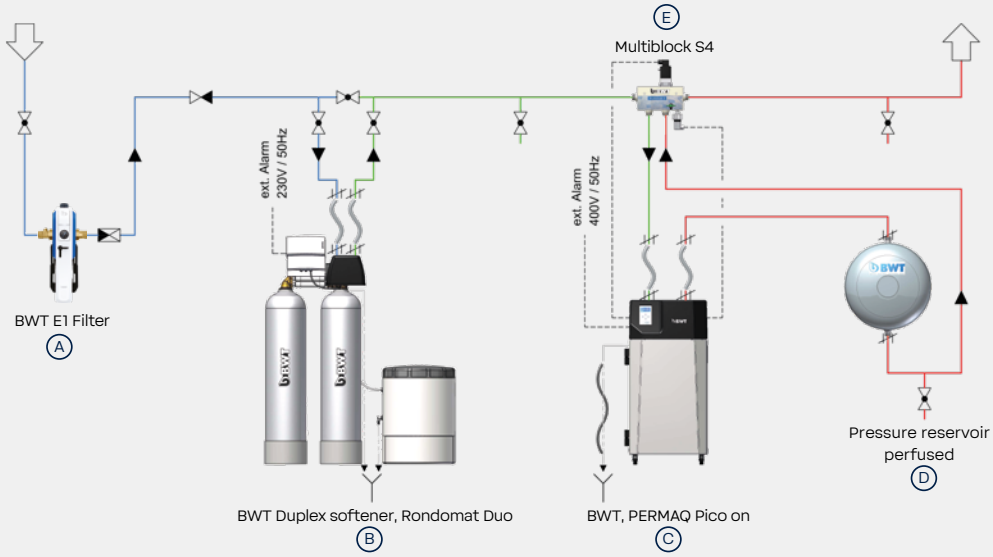
Permaq Pico FT BWTs are supplied complete with:

- integral cowling to protect the osmosis unit's components from impact and dust,
- integrated display,
- integrated conductivity meter,
- high pressure pump,
- incorporates all the internal connections and controls,
- integrated absolute 10 µ filter.

	BWT PERMAQ PICO 10	BWT PERMAQ PICO 20	BWT PERMAQ PICO 30	BWT PERMAQ PICO 40
Connection width	DN 20/25	DN 20/25	DN 20/25	DN 20/25
Permeate output online	0.16 m³/h (0.7 gpm)	0.21 m³/h (0.9 gpm)	0.36 m³/h (1.58 gpm)	0.51 m³/h (2.2 gpm)
Permeate output offline	0.2 m³/h (0.88 gpm)	0.3 m³/h (1.32 gpm)	0.5 m³/h (2.2 gpm)	0.65 m³/h (2.8 gpm)
WCF	80%	80%	80%	80%
Salt retention rate	98%	98%	98%	98%
ITEM CODE (DE) - Online	**13043**	**13044**	**13045**	**13046**
ITEM CODE (DE) - Offline	**13050**	**13051**	**13052**	**13053**

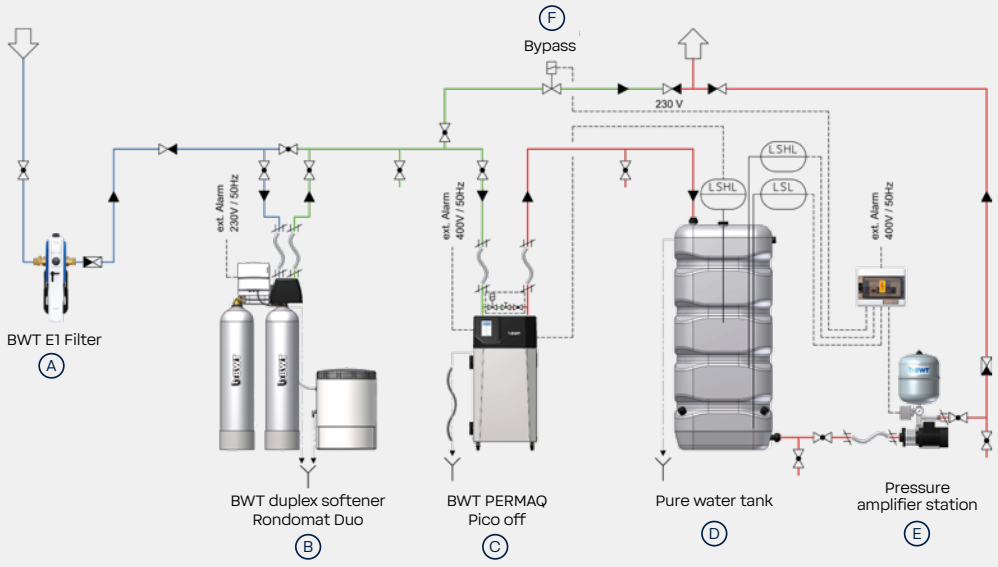
	BWT PERMAQ PICO 50	BWT PERMAQ PICO 60	BWT PERMAQ PICO 70	BWT PERMAQ PICO 80	BWT PERMAQ PICO 90
Connection width	DN 20/25	DN 20/25	DN 20/25	DN 20/25	DN 20/25
Permeate output online	1.0 m³/h (4.40 gpm)	1.40 m³/h (6.16 gpm)	1.60 m³/h (7.04 gpm)	2.0 m³/h (8.8 gpm)	2.50 m³/h (11.00 gpm)
Permeate output offline	1.25 m³/h (5.50 gpm)	1.80 m³/h (7.92 gpm)	2.10 m³/h (9.24 gpm)	2.40 m³/h (10.56 gpm)	2.80 m³/h (12.32 gpm)
WCF	80%	80%	80%	80%	80%
Salt retention rate	98%	98%	98%	98%	98%
ITEM CODE (DE) - Online	**13047**	**13048**	**13049**	**13222**	**13223**
ITEM CODE (DE) - Offline	**13054**	**13055**	**13056**	**13220**	**13221**

Installation recommendations



BWT PERMAQ Pico online

- (A) Filter
- (B) Softener
- (C) Reverse Osmosis (RO)
- (D) Pressure reservoir with integrated bypass
- (E) Multiblock S4



BWT PERMAQ Pico offline

- (A) Filter
- (B) Softener
- (C) Reverse Osmosis (RO)
- (D) Tank
- (E) Pressure booster
- (F) By-pass valve

BWT PERMAQ Pico Vario

Protect

Perfectly pure water installation

Flow rate: **60 to 2,100 L/h**



TECHNICAL BENEFITS

- **Real tankless reverse osmosis.**
- **Highest hygiene.**
- **Easy installation.**
- **Fields of applications.**

Operation

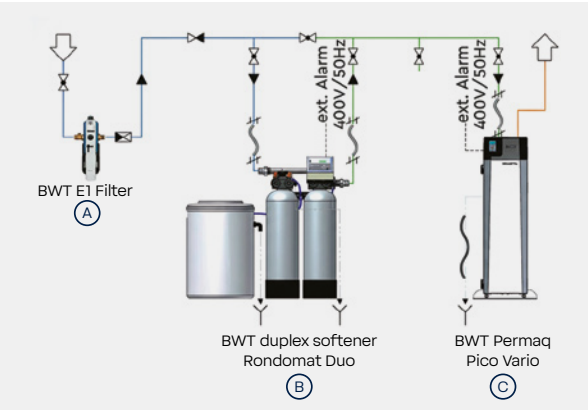
The BWT PERMAQ® Pico Vario is a compact reverse osmosis unit with a stainless steel chassis contains high-quality, durable components. Thanks to its wide and variable performance range, it is particularly suitable for use in air-conditioning technology, adiabatic humidification, and cooling systems.
The units are equipped with integrated flow measurement and display of the current flow rate. The complete system requires a footprint of only 0.3 m³. BWT achieves minimal space requirements by eliminating the need for a tank and booster pump.

Applications

The BWT PERMAQ® Pico Vario is used in a wide range of areas, such as:

- Food & beverage industry
- gastronomy
- air conditioning and cooling technologies
- humidification
- pharmaceutical and cosmetics industry
- Industrial cleaning technologies
- Hot water, heating, and steam generation
- Surface treatments
- Graphic industry
- Optical industry
- and many more...

Installation recommendations



Recommended accessories

AQUARIS DES for disinfection
BWT Osmoclean C for cleaning
AQUARIS AF05 (2 × 3 kg) for units with upstream anti-scalant dosing (BWT PERMAQ® Pico AS)

	PERMAQ PICO VARIO 40	PERMAQ PICO VARIO 50	PERMAQ PICO VARIO 60	PERMAQ PICO VARIO 70	PERMAQ PICO VARIO 80	PERMAQ PICO VARIO 90
Connection width	DN 20/25	DN 20/25	DN 20/25	DN 20/25	DN 20/25	DN 20/25
Permeate output	0.06 - 0.45 m³/h (0.26 - 2 gpm)	0.12 - 0.9 m³/h (0.52 - 3.9 gpm)	0.15 - 1.25 m³/h (0.6 - 5.5 gpm)	0.28 - 1.6 m³/h (1.2 - 7 gpm)	0.3 - 1.75 m³/h (1.3 - 7.7 gpm)	0.35 - 2.1 m³/h (1.5 - 9.2 gpm)
WCF	80%	80%	80%	80%	80%	80%
Salt retention rate	>98.5%	>98.5%	>98.5%	>98.5%	>98.5%	>98.5%
ITEM CODE (DE)	**13238**	**13240**	**13242**	**13244**	**13246**	**13248**
ITEM CODE (DE) HR VERSION	**13239**	**13241**	**13243**	**13245**	**13247**	**13249**

Subject to alterations and errors excepted.

Accessories

Filter element 5 µm

FILTER ELEMENT 5 µm	40 – 80	150 – 1000 / 40 K – 80 K	PERMAQ® PRO	PROFIL, PROFIL AS, PERMAQ PICO 10–40
ITEM CODE	13971	13999	53986	53985



Permeate storage container

Permeate storage container for Permaq Pico offline

For type A 500: sealed PE container, with screw cover, connections for pump suction line and bleeding. Incl. level adjustment. Unit ready for connection with terminal box and 3 floating switches fitted in permeate store, incl. contact for dry running protection for any feed pump connected downstream.

For type A 1100–4000: sealed rectangular container made of PE, with cleaning dome, screw lid with tension seal. Galvanised wrapping to reinforce the container, with connections for bleeding and pump suction line. Incl. level adjustment. Unit ready for connection with terminal box and 3 floating switches fitted in permeate store, incl. contact for dry running protection for any feed pump connected downstream.

PERMAQ PICO OFFLINE	A 500	A 1100	A 2000	A 3000	A 4000
Usable volume	0.4 m^3	0.95 m^3	1.75 m^3	2.75 m^3	3.7 m^3
Length	880 mm	1,500 mm	2,110 mm	2,330 mm	2,540 mm
Width	770 mm	750 mm	750 mm	1,010 mm	1,010 mm
Total height	1,450 mm	1,600 mm	1,900 mm	1,860 mm	2,150 mm
ITEM CODE	13966	13967	13968	13930	13931

Removal Fitting for Permeate Tank

	PERMEATE TANK FOR A 500	PERMEATE TANK FOR A 1100 – 4000
ITEM CODE	13963	13964

BWT Osmoclean C

Highly effective cleaning substance for RO membranes, biodegradable, 1000 ml

	BWT OSMOCLEAN C
ITEM CODE	13940

Aquaris DES

For safe disinfection of RO membranes 50 g

	AQUARIS DES
ITEM CODE	125627612

Aquaris AF 05

	AQUARIS AF 05 2 × 3 KG
ITEM CODE	95319

Colloid index measuring device

Measurement device complete with locking mechanism, pressure reducer and membrane filter **casing for fitting into the RO inlet line, 100 µm membrane filter, tweezers and measuring cylinder.**

	COLLOID INDEX MEASURING DEVICE
ITEM CODE	13996

Subject to alterations and errors excepted.

BWT RO MO 4"

Protect

Osmosis unit

Flow rate: **250 to 1,500 L/h**



TECHNICAL BENEFITS

- **Compact units**.
- **Quick and easy to install**.
- **Integrated level float**.
- **Control panel with conductivity meter**.

Operation

BWT RO MO 4" osmosis units are skid-mounted osmosis water production units. They transform drinking water into pure water that meets the most stringent technical requirements. The BWT RO MO 4" is delivered ready for use on site.

Applications

A wide range of applications require demineralised water quality: air conditioning, industrial processes, washing, spraying, autoclaves, printing, laboratories, etc.
BWT RO MO 4" osmosis units are available in 4 different models.

Standard equipment

BWT RO MO 4" are supplied with the following equipment:

- skid,
- integrated 5 µ pre-filter,
- integrated display,
- integrated conductivity meter,
- 1 integrated level float,
- high pressure pump,
- incorporates all the internal connections and controls,
- Off-line and On-Line operation possible (additional pressure switch required).

	BWT RO MO 6500	BWT RO MO 12000	BWT RO MO 24000	BWT RO MO 36000
Permeate flow rate*	250 L/h	530 L/h	1,000 L/h	1,500 L/h
Salt retention rate**	95%	95%	95%	95%
Permeate yield**	50 to 75%	50 to 75%	50 to 75%	50 to 75%
Number of membranes***	1	2	4	6
Min/max inlet pressure	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)
Min/max water temperature	5 to 30 °C	5 to 30 °C	5 to 30 °C	5 to 30 °C
Power supply	230/50 Hz	230/50 Hz	230/50 Hz	230/50 Hz
Power	1 kW	1 kW	2 kW	2 kW
Dimensions (L × H × D)	540 × 1,450 × 405 mm	540 × 1,450 × 405 mm	700 × 450 × 610 mm	870 × 1,450 × 610 mm
Hydraulic connections	½"	½"	1"	1"
Dry weight	60 kg	70 kg	100 kg	120 kg
ITEM CODE (AT, DE)	**125692215**	**125692216**	**125692217**	**125692218**

*At temperature = 25 °C, TDS = 1000 mg/l.
**Raw water softened to WH 0 °F.
***Not included in the scope of delivery.

BWT Reverse Osmosis Membrane - To be ordered separately

Type XLE4040 for	BWT RO MO 6500	BWT RO MO 12000	BWT RO MO 24000	BWT RO MO 36000
No. of membrane required	1 piece	2 pieces	4 pieces	6 pieces
ITEM CODE (for 1 membrane)		**125698267**		

Accessories & consumables

(Your BWT experts will help to select optional equipment)

Designation	ITEM CODE
FLOW INTERRUPTION CONNECTION	**125665885**
PERMEATE FLUSHING/RAW WATER BLENDING FOR BWT RO MO6500, BWT RO MO12000	**125696688**
PERMEATE FLUSHING/RAW WATER BLENDING FOR BWT RO MO24000, BWT RO MO360000	**125696689**
TABLET	**125682802**
35 L STEEL BLADDER BALLOON	**P0956270**
50 L STEEL BLADDER BALLOON	**P0956271**
80 L STEEL BLADDER BALLOON	**P0956272**
140 L STEEL BLADDER BALLOON	**P0956273**
300 L STEEL BLADDER BALLOON	**P0956274**
LP 10 FILTER + DRAINAGE	**P0048320**
LP 20 FILTER + DRAINAGE	**P0048321**
BWT-PROPYL 10 MICRON 10" CARTRIDGE*	**P0098182N**
BWT-PROPYL 10 MICRON 20" CARTRIDGE*	**P0098222N**
BWT-PROPYL 1 MICRON 10" CARTRIDGE*	**P0098180N**
BWT-PROPYL 1 MICRON 20" CARTRIDGE*	**P0098220N**
BWT-CARBON 10" CARTRIDGE *	**P0093146**
BWT-CARBON 20" CARTRIDGE *	**P0093147**
5 µ - 10" BB CARTRIDGE FOR MO 6500 AND 1200	**P0955262**
5 µ - 20" BB CARTRIDGE FOR MO 24000 AND 36000	**P0955264**
XLE-4040 MEMBRANE	**125506070**
PERMAQ2R MEMBRANE - 4040	**P0097740**
ON-LINE CONTROL PRESSURE SWITCH 0-5 BAR	**P0912321**
CONTROL PANEL	**ON REQUEST**

BWT RO MO 8"

Protect

Osmosis unit

Flow rate: **2 to 9 m³/h**



TECHNICAL BENEFITS

- **Quick and easy to install.**
- **Compact skid with integrated sediment pre-filter.**
- **Control panel with conductivity meter.**
- **OP plug and play station.**

Operation

BWT RO MO 8" osmosis units are skid-mounted osmosis water production units. They transform drinking water into pure water that meets the most stringent technical requirements. The BWT RO MO 8" is delivered ready for use on site.

Applications

A wide range of applications require demineralised water quality: air conditioning, industrial processes, washing, spraying, autoclaves, printing, laboratories, etc. BWT RO MO osmosis units are available in 10 different models.

Standard equipment

BWT RO MO 8" are supplied with the following equipment:

- skid,
- integrated 5 µ pre-filter,
- integrated display,
- integrated conductivity meter,
- 1 integrated level float,
- high-pressure pump,
- incorporates all the internal connections and controls,
- Off-line and On-Line operation possible (additional pressure switch required).

	BWT RO MO 8" 2	BWT RO MO 8" 3	BWT RO MO 8" 4	BWT RO MO 8" 6	BWT RO MO 8" 9
Permeate flow rate*	2 m³/h	3.3 m³/h	4.5 m³/h	6.5 m³/h	9 m³/h
Salt retention rate**	93%	95%	95%	95%	95%
Permeate yield**	75%	75%	75%	75%	75%
Number of membranes***	2	3	4	6	9
Min/max inlet pressure	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)	2/4 bar (29/ 58 psi)
Min/max water temperature	5 to 30 °C	5 to 30 °C	5 to 30 °C	5 to 30 °C	5 to 30 °C
Electrical connection	400 V/50 hZ	400 V/50 hZ	400 V/50 hZ	400 V/50 hZ	400 V/50 hZ
Installed power	3 kW	4 kW	4 kW	7.5 kW	7.5 kW
Raw water/permeate connection	1½"/1"	1½"/1"	1½"/1"	2"/1"½	2"/1"½
Concentrate discharge connection	1½"	1½"	1½"	2"	2"
Weight (approx.)	300 kg	340 kg	340 kg	560 kg	600 kg
Dimensions (approx.) (L × H × D)	1.90 × 1.95 × 1.10 m	1.90 × 1.95 × 1.10 m	2.90 × 1.95 × 1.20 m	2.90 × 1.95 × 1.20 m	3.90 × 1.95 × 1.20 m
ITEM CODE	**125681775**	**125502313**	**125564223**	**125681776**	**125681777**

*AT temperature = 15°C, TDS raw water <1,500 mg/L.
**Raw water softened to WH 0 °F.
***Not included in the scope of delivery.

BWT Reverse Osmosis Membrane - To be ordered separately

Type XLE440 for	BWT RO MO 8" 2	BWT RO MO 8" 3	BWT RO MO 8" 4	BWT RO MO 8" 6	BWT RO MO 8" 8
No. of membrane required	2 pieces	3 pieces	4 pieces	6 pieces	8 pieces
ITEM CODE (for 1 membrane)			**125698268**		

Accessories & consumables

(Your BWT experts will help to select optional equipment)

Designation	ITEM CODE
BB CARTRIDGE 5 µ - 20" FOR MO 2 TO 9	**P0955264**
TABLET	**125682803**
XLE 8040 MEMBRANE	**P0851596**
PERMAQ2R 8040W MEMBRANE	**P0097739**
CIP STATION FOR MO2 TO 4* **	**125681780**
CIP STATION FOR M6 TO 9* **	**125681781**
CABINET* **	**ON REQUEST**

BWT ROC Ultra

Compact osmosis unit





UF bestcare S cartridge and connection head not included

	BWT ROC ULTRA
Permeate flow rate	120 L/h
Salt reduction	> 97%
Permeate output/yield (WCF)	approx. 50%
Electrical connection/internal fuse	220~240 V/50~60 Hz/10 A/1.25 TA
Power consumption (operating/standby)	200/< 3 W
Protection	IP 21
Raw water/concentrate/permeate connection	¾"/8 mm/3/8"
Min./max.inlet pressure	1.5/4 bar (21.8/58 psi)
Min./max.raw water inlet temperature	4/30 °C
Min./max.ambient air temperature	4/30 °C
Conductivity after 1st stage (Bestaqua 14 Roc)	< 50 µS/cm
Conductivity after 2nd stage (Bestdemin)	< 5 µS/cm
Dimensions (L × H × D)	297 × 277 × 505 mm
Weight	18 kg
ITEM CODE	**125504752**

TECHNICAL BENEFITS

- **Easy to install** under a worktop.
- **Optimized water quality**.
- **Easy maintenance** with disposable cartridges.
- **Smartphone application** for monitoring water quality at the osmosis unit outlet.

Operation

The Roc Ultra treatment module is a compact, enclosed unit comprising an osmosis unit and a demineralisation cartridge for demineralising water. It comes complete for direct connection to a machine or tap and can be combined with the Bestcare S ultrafiltration cartridge to obtain ultra-pure water. It can be supplied without softened water up to a raw water WH value of 17 °F. The Roc Ultra treatment module has been designed to meet the need for purified water to supply machines and as a sampling point for lab tables. Its compact size means it can easily be installed under a worktop or in a cramped space.

Standard equipment

The Roc Ultra comes with:

- a block including pump, flowmeters, conductivity probes, pressure sensors and a temperature sensor,
- a Roc 14 osmosis unit,
- a Bestdemin M demineralisation cartridge with mounting head,
- a 4-litre pressure reservoir,
- a set of mounting fittings.

For installation with the Bestcare S cartridge:

- the Roc Ultra,
- a Bestcare S ultrafiltration cartridge,
- a BWT Besthead Flex mounting head.

Subject to alterations and errors excepted.

BWT Bestaqua ROC

Compact osmosis unit



TECHNICAL BENEFITS

- **High capacity** up to 180 l/h.
- **Pressure pump included**.
- **Temperature & leakage sensor**.
- **10 seconds of hygiene rinse**.
- **Conductivity & flow measurement**.
- **No storage tank required** - Maximum hygiene.
- **High permeate** – yield of 50% (WCF).

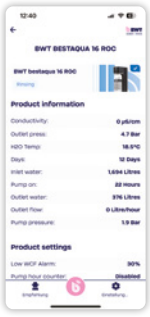
Operation

Ultra compact reverse osmosis system for commercial and domestic applications (under sink), BWT bestaqua ROC is equipped with one of the world's most powerful, maintenance-free membranes.
Designed for any application requiring high-quality purified water, BWT bestaqua ROC performs exceptionally well with challenging raw water or where standardized results are needed worldwide. Mineral content can be individually adjusted and monitored via app, with BWT Magnesium Technology for perfect taste.

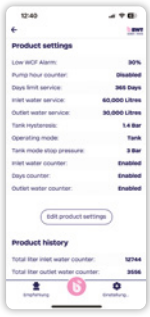
	BESTAQUA 14 ROC	BESTAQUA 16 ROC
Flow rate	0.12 m³/h (0.52 gpm)	0.18 m³/h (0.79 gpm)
Salt retention rate	> 97%	> 97%
Permeate output/yield (WCF)	approx. 50%	approx. 50%
Feed water pressure	1.5/4 bar (21.8/58 psi)	1.5/4 bar (21.8/58 psi)
Feed water / ambient temperature (min.-max.)	5-30 / 5-40 °C	5-30 / 5-40 °C
Electrical connection / internal fuse / fuse protection	230 V / 50 Hz / 10 A	240 V / 50 Hz / 60 A
Electric power consumption / standby	200 / <3 W	260 / <2 W
Permeate, concentrate connection	3 kW	4 kW
Raw water/permeate connection	¾"	¾"
Dimensions (W × D × H)	144 × 254 × 507 mm	158 × 330 × 532 mm
Weight	10.3 kg	16 kg
ITEM CODE	**21039**	**125255111**

The Key Highlights

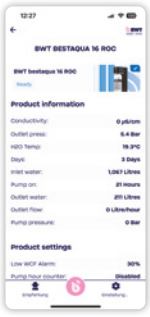
- Efficient production of large volumes of demineralized water
- Three-step adjustable blending to customize the degree of purity
- Resource-saving plug-and-play concept – unpack, connect, and start



Sustainable operation - very low wastewater generation and resource consumption.



Infinitely adjustable bypass setting for targeted, demand driven demineralization.



Reverse osmosis controlled and monitored extremely easily via BWT app on the smartphone.

Subject to alterations and errors excepted.

Seawater Desalination

Turning salt water into drinking water



Why Seawater Desalination Matters

Less than **1% of the world's water** is drinkable, and many regions lack reliable access to clean drinking water. This issue especially affects many businesses and communities with poor infrastructure.

In line with BWT's commitment to the sustainable use of scarce water resources and a strong focus on environmental protection, BWT provides comprehensive water management solutions that transform seawater or wastewater into drinking-quality water for entire resorts and communities.

BWT'S Reverse Osmosis Technology – The Heart of Desalination

BWT's extensive experience with seawater desalination has led to the development of various systems suited to diverse geographic and local needs.
Based on **reverse osmosis (RO) technology**, our **complete seawater desalination systems**, designed to convert seawater into **high-quality drinking water** and include:

Standard Plug & Play Systems

» Capacity: **100–1,500 m³/day**
» Ideal for hotels, resorts, and small communities
» Quick installation and easy operation

Customized Large-Scale Solutions

» Capacity: **5,000–30,000 m³/day**
» Tailored for municipalities, industrial plants, and power stations
» Integrated into existing infrastructure for long-term reliability

Wastewater Recycling Systems

» Recover up to **95% of wastewater** back to drinking water quality
» Ensures sustainability and cost efficiency

Complete Water Management Services

» Pre-treatment, RO units, pumping systems
» Chlorination and chemical dosing
» SCADA monitoring for remote control and safety



BWT's Added Value

Decades of Experience
over 100 installations globally

Efficient & Cost-Effective
Integrated energy recovery systems cut power use and lower costs

Sustainable Solutions
Optimized water use and reduced environmental footprint through advanced tech

Reliable & Independent
Secure supply, even in areas with poor infrastructure; vital for tourism, industry, and remote sites

Turnkey Service
Full support from design to maintenance with a single partner

Contact details:
BWT Denmark - Thomas Larsen
T: +45 23 32 56 44
tnl@bwt.dk

Formulated products

Alternative chemicals by BWT

Limite your impact on the environment!





Formulated Products

Water conditioning extends the life and reliability of equipment. It is based on the use of scaling or corrosion inhibitors, biocides or algaecides.

	BWT FILM105	BWT DW-3002	BWT ECO-42 090	BWT CP-4001	BWT CS-6210	BWT CC-6302
TYPE OF CIRCUIT	Domestic hot water and continuous circulation looped distribution networks in galvanised steel	Domestic hot and cold water networks	Multi-metal heating and chilled water circuit	Heating and chilled water circuit (excluding aluminium)	Cooling circuit	Multi-metal heating and chilled water circuit
TYPE OF TREATMENT						
Preventive	✓	✓				✓
Curative		✓	✓	✓	✓	
Degradation corrector						
ACTIONS						
Biocide		✓				
Scale inhibitor	✓					
Anti-corrosion	✓				✓	✓
Antifreeze						
Nettoyage et Désembouage (Cleaning and Sludge Removal)			✓	✓	✓	
	p. 110	p. 111	p. 112	p. 113	p. 128	p. 115

NEW!

Discover our products formulated using "Alternative Chemicals by BWT"!

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process.

Its aim? To limit your impact on the environment!

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BWT CC-1005	BWT CC-6301	BWT CC-1002 DA	BWT CC-1008 T	BWT CS-3010	BWT GLYCOL SANIT+	BWT GLYCOL N+	BWT GLYCOL BOOST	BWT GLYCOL BOOST AGRO	BWT SUPER HELIOS
Heating and chilled water circuit				Cooling circuit	Closed anti-freeze water circuits				Solar arrays
✓	✓	✓	✓	✓	✓	✓			✓
				✓					
					✓	✓	✓	✓	
				✓					
✓		✓	✓						
✓	✓	✓	✓		✓	✓	✓	✓	✓
					✓	✓	✓	✓	✓
p. 119	p. 114	p. 117	p. 118	p. 120	p. 126	p. 124	p. 125	p. 127	p. 129

Imagine virtuous water treatment... with "Alternative chemicals by BWT"!

A genuine scientific approach, "alternative chemicals by BWT" aims to revolutionise chemistry by integrating sustainably responsible practice to transform water treatment into a more virtuous process.

The aim of this strong, ambitious and committed new approach is to reduce the impact of waste and your environmental impact with chemical products formulated according to a formulation chart using biodegradable, renewable, recycled or biosourced, non-toxic active ingredients.

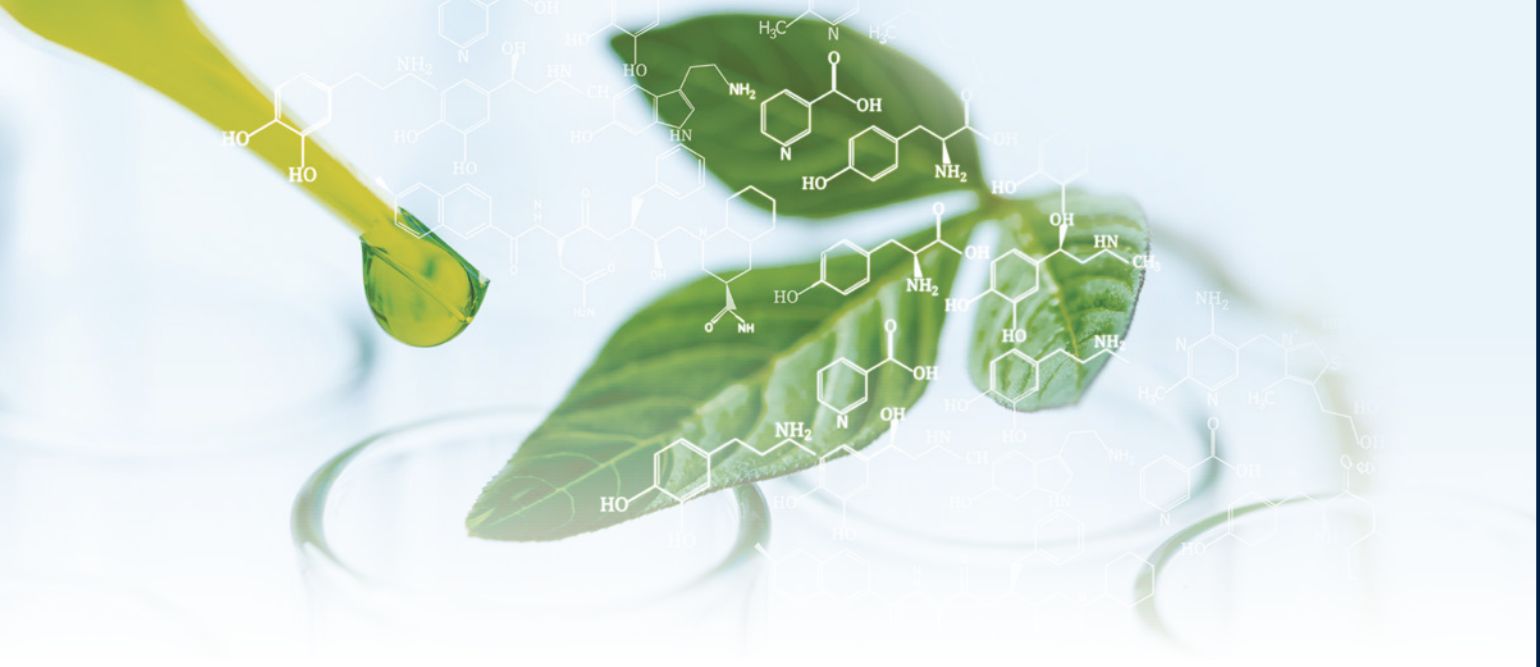
Among our first innovations* dedicated to the treatment of industrial and collective cooling circuits, take a look at:

- **BWT ECO-80 010**
  Limescale, deposit and corrosion inhibitor. Phosphorus-free and with reduced nitrogen content!
- **BWT ECO-80 011**
  Limescale, deposit and corrosion inhibitor with integrated dispersing effect, bio-dispersant and tracer effect. Phosphorus-free and with reduced nitrogen content!
- **BWT ECO-81 040**
  Bio-dispersant biofilm development inhibitor. Phosphorus-free!
- **BWT ECO-84 020**
  Copper and alloy corrosion inhibitor. Phosphorus- and azole-free!

THESE PREVENTIVE TREATMENTS:



- **limit** limescale deposits,
- **reduce** the risk of corrosion,
- **prevent** biofilm deposits,
- **maintain** plant efficiency.



Focus on...
BWT ECO-42 090

The new 99% biodegradable rapid cleaner and sludge remover for air HVAC systems!

99%* BIODEGRADABLE



Product benefits

Fast,
it uses a concentrated formulation for speedy action:
- 10 L/m³ = flash 2 h
- 2.5 to 5 L/m³ = 24 h

Non-toxic:
- "readily biodegradable" formulation (OECD 301F),
- phosphorus-free,
- with biodegradable active ingredients,
- pH neutral.

Preserves
water resources by reducing post-circulation rinsing of the product and draining of the circuit (on new networks).

Effective
cold and hot, with or without pump for sludge removal.

Compatible
with all metals and other synthetic materials.

BWT ECO-80 010

Treatment to prevent limescale, deposits and corrosion

Cooling circuits industrial and collective

Density at 20 °C: **1.22 ± 0.02**
pure pH: **10.2 ± 0.05**
pH (1%): **9.6 ± 0.05**
Appearance: **amber liquid**

Product benefits

Non-toxic:

- Phosphorus-free
- Reduced nitrogen content
- With biodegradable* active ingredients

A new product from
"Alternative chemicals by BWT!"

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process. **Its aim? To limit your impact on the environment!**

TECHNICAL BENEFITS

- **Formulation suitable** for systems with short to medium residence time.
- **Highly effective** deposit prevention and dispersant function.

Applications

New-generation limescale, deposit and corrosion-inhibiting treatment with biodegradable* and non-toxic active ingredients. BWT ECO-80 010 is suitable for slightly corrosive to scaling water. It has been formulated to reduce the environmental impact of IRDEFA treatments.

Implementation

BWT ECO-80 010 must be used undiluted and injected using a metering pump. The dosage of BWT ECO-80 010 depends on the concentration level and the general operating conditions, in particular the quality of the top-up water. For all dosage choices, refer to the recommendations drawn up by our specialists.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) for any handling operations. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

*The ECO file certifying the biodegradability of this product is available on request.

Subject to alterations and errors excepted.

BWT ECO-80 011

Limescale, deposit and corrosion inhibiting treatment with integrated dispersant, bio-dispersant and tracer effect

Industrial and collective cooling circuits

Density at 20 °C: **1.22 ± 0.02**
pure pH: **10.9 ± 0.5**
pH (1%): **10.3 ± 0.5**
Appearance: **amber liquid**

Product benefits

Non-toxic:

- Phosphorus-free
- Reduced nitrogen content
- With biodegradable* active ingredients

A new product from
"Alternative chemicals by BWT!"

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process. **Its aim? To limit your impact on the environment!**

TECHNICAL BENEFITS

- **Formulation suitable** for systems with short to medium residence times.
- **Highly effective** deposit prevention, dispersant and bio-dispersant function.
- **All-in-one:** traced deposit, corrosion and biofilm inhibitor.
- **Easily measurable** with its built-in tracer.

Applications

New-generation scale, deposit and corrosion inhibiting treatment with biodegradable* and non-toxic active ingredients, with integrated dispersant, bio-dispersant and tracer effect. BWT ECO-80 011 is suitable for slightly corrosive to scaling water. It has been formulated to reduce the environmental impact of IRDEFA treatments.

Implementation

BWT ECO-80 011 must be used undiluted and injected using a metering pump. The dosage of BWT ECO-80 011 depends on the concentration level and the general operating conditions, in particular the quality of the top-up water. For all dosage choices, refer to the recommendations drawn up by our specialists.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) for any handling operations. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net.**

*The ECO file certifying the biodegradability of this product is available on request.

Subject to alterations and errors excepted.

BWT ECO-81 040

Biofilm development inhibiting bio-dispersant treatment

Cooling circuits industrial and collective

Density at 20 °C: **1.03 ± 0.02**
pure pH: **11.4 ± 0.05**
pH (1%): **10.0 ± 0.05**
Appearance: **colourless liquid**

Product benefits

Non-toxic:

- Phosphorus-free
- With biodegradable* active ingredients

New product from
"Alternative Chemicals by BWT"!

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process. **Its aim? To limit your impact on the environment!**

TECHNICAL BENEFITS

- **Formulation suitable for all systems.**
- **Formulated to meet the regulatory requirements** for IRDEFA operations.
- **Highly effective in preventing** biofilm build-up.

Applications

New-generation biofilm-inhibiting bio-dispersant treatment with biodegradable* and non-toxic active ingredients. BWT ECO-81 040 has been formulated to reduce the environmental impact of IRDEFA treatments.

Implementation

BWT ECO-81 040 must be used undiluted and injected using a metering pump. The dosage of BWT ECO-81 040 depends on the concentration level and the general operating conditions, in particular the quality of the top-up water. For all dosage choices, refer to the recommendations drawn up by our specialists.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) for any handling operations. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net.**

*The ECO file certifying the biodegradability of this product is available on request.

Subject to alterations and errors excepted.

BWT ECO-84 020

Corrosion-inhibiting treatment for copper and alloys

Cooling circuits industrial and collective

Density at 20 °C: **1.04 ± 0.02**
pure pH: **6.0 ± 0.05**
pH (1%): **6.1 ± 0.05**
Appearance: **amber liquid**

Product benefits

Non-toxic:

» Phosphorus-free
» Azole-free
» With biodegradable* active ingredients

New product from
"Alternative Chemicals by BWT"!

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process. **Its aim? To limit your impact on the environment!**

TECHNICAL BENEFITS

» **Suitable for all systems.**

Applications

New-generation "azole-free" corrosion inhibitor treatment for copper and alloys, with biodegradable* and non-toxic active ingredients. BWT ECO-84 020 has been formulated to reduce the environmental impact of IRDEFA treatments and closed water circuits.

Implementation

BWT ECO-84 020 must be used undiluted and injected using a metering pump. The dosage of BWT ECO-84 020 depends on the concentration level and the general operating conditions, in particular the quality of the top-up water. For all dosage choices, refer to the recommendations drawn up by our specialists.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) for any handling operations. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net.**

*The ECO file certifying the biodegradability of this product is available on request.

Subject to alterations and errors excepted.

Dosing unit and film former

Product injection

Flow rate: **7 to 60 L/h**



DISCOVER MORE ABOUT OUR DOSING TECHNOLOGY PORTFOLIO IN OUR SALES CATALOGUE – DOMESTIC TECHNOLOGY.

TECHNICAL BENEFITS

- **Dosing unit supplied complete and ready to connect**.
- **Precise, reliable electronic pump**.

Operation

The dosing unit allows you to treat your networks simply and reliably. It is delivered complete and ready to use. The spill containment tray, which is compulsory for all chemical storage, is sized for your dosing unit. The electronic dosing pump ensures precise dosing even at low flow rates. The PM60 model is available for high flow and high back pressure networks. Graduated dosing tank, dosing pump with digital display and intuitive programming: simplified monitoring and operation.

Applications

The dosing unit is designed to simplify the treatment of your collective networks. It is delivered complete and ready to connect. The choice depends on the size of the dosing pump.

Standard equipment

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

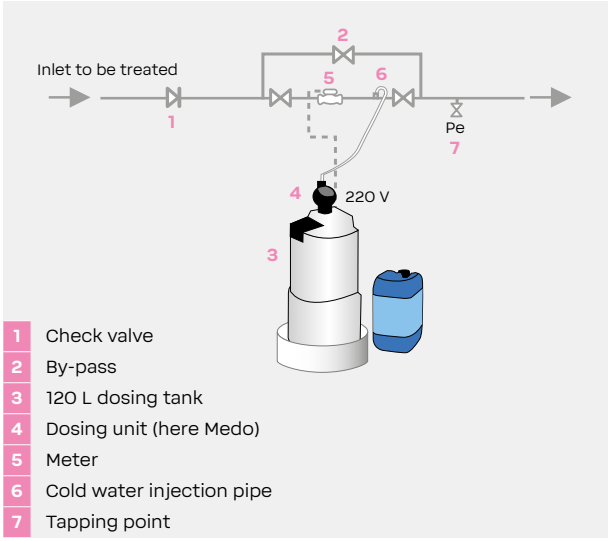
- the 120 L reagent tank (200 L for the METRIC 60 unit),
- the dosing pump,
- the injection accessories (suction strainer, suction and backflow tubing, injection rod, etc.),
- the cable for slaving to the transmitter meter,
- the spill containment tray.

	MEDO XG6	DDA 7 C (ACID/CHLORINE)	DDA 7 S (SODA)	METRIC 60
Dosing flow rate	0.7 to 7.1 L/h	7.5 L/h	7.5 L/h	0.075 to 60 L/h
Return back pressure	7 bar	16 bar	16 bar	10 bar
Injection rate	180 strokes/minute	190 strokes/minute	190 strokes/minute	120 strokes/minute
Volume per pulse	0.66 ml/cp	0.74 ml/cp	0.74 ml/cp	3.8 ml/cp
4-20 mA input	yes	yes	yes	yes
GTC information	yes	yes	yes	yes
ITEM CODE	**PK0027131**	**PK00271108C**	**PK00271108S**	**PK0002804A**

Accessories & Consumables

Designation	ITEM CODE
JERRYCAN SPILL CONTAINMENT TRAY	**R0028075**
60 L/120 L REAGENT SPILL CONTAINMENT TRAY	**R0028011**
CONTAINMENT PALLET, 2 DRUMS, 1,300 MM700 MM445 MM W: 22 KG - LOAD 800 KG	**P0973265**
IBC XL 1050 L CONTAINMENT	**ON REQUEST**
HOT WATER INJECTION ROD	**P0028032**
PE 4/6 TUBING	**C0690661**
PTFE 4/6 TUBING	**P0028212**
CLEANABLE INJECTION ROD	**C8023051**
PRESSURE LOADING VALVE	**P0959560**
DN 25 STATIC MIXER	**P0095796**
DN 32 STATIC MIXER	**P0095797**
DN 40 STATIC MIXER	**P0095798**
DN 50 STATIC MIXER	**P0095799**
DN 65 STATIC MIXER	**P0095800**
DN 80 STATIC MIXER	**P0095801**

INSTALLATION RECOMMENDATIONS



1. Check valve
2. By-pass
3. 120 L dosing tank
4. Dosing unit (here Medo)
5. Meter
6. Cold water injection pipe
7. Tapping point

Additional range: cold water meters

With dry contact pulse output for proportional dosing.

	DN 20	DN 25	DN 32	DN 40
Connection diameter	¾" threaded	1" threaded	1"¼ threaded	1"½ threaded
Nominal flow rate	4 m³/h (17.6 gpm)	6.3 m³/h (27.7 gpm)	10 m³/h (44 gpm)	16 m³/h (70.4 gpm)
K (L for 1 pulse)	1	1	5	1
Start-up threshold	50 L/h	78 L/h	125 L/h	200 L/h
Dimensions (L × H × D)	130 × 105 × 85 mm	260 × 120 × 104 mm	260 × 120 × 104 mm	300 × 155 × 125 mm
Weight	1 kg	3 kg	3 kg	6 kg
ITEM CODE	**P0005342DH**	**P0005325DH**	**P0005329DH**	**P0005355DH**

	DN 50	DN 50	DN 80
Connection diameter	2" threaded	2" flanges	3" flanges
Nominal flow rate	25 m³/h (110.1 gpm)	40 m³/h (176,1 gpm)	100 m³/h (440,3 gpm)
K (L for 1 pulse)	1	50	50
Start-up threshold	312 L/h	450 L/h	1200 L/h
Dimensions (L × H × D)	300 × 155 × 125 mm	200 × 187 × 165 mm	225 × 219 × 200 mm
Weight	8 kg	11 kg	14 kg
ITEM CODE	**P0005358DH**	**125557688**	**125557689**

Caution: for high WH values or for installations where DHW production is looped onto the exchanger, softening remains the preferred solution.

BWT Film105

Film-former anti-limescale and anti-corrosion treatment

Density at 20 °C: **1.16 ± 0.02**
pure pH: **> 11**
Appearance: **colourless liquid**

Packaging	ITEM CODE
20 KG BAG-IN-BOX	**P0007375**
200 L DRUM	**P0009503**
1,000 L CONTAINER	**P0009505**

AVIS TECHNIQUE CC FAT

BWT FILM
no.19/13-125_V2 published on 01/03/2019

TECHNICAL BENEFITS

- **Complete protection** with a unique facility.
- **Easy to use** with its liquid formulation.
- High concentration of active ingredients reduces treatment costs.
- **Complies with regulations** authorising the treatment of water for human consumption.
- The BWT Film process (using BWT Film105) has been awarded an ATEC technical approval by specialist group no. 19, which can be consulted on the website **www.cstb.fr**.
- BWT holds technical approval for the BWT Film process.

Operation

BWT Film105 is designed to prevent the scaling and corrosion of hot water production devices and continuous circulation distribution networks in galvanised steel, in accordance with DTU 60.1 and its addenda.

Implementation

Dosage: BWT Film105 can be injected pure or diluted into softened water (WH ≤ 20 °F), and must be introduced continuously using a dosage unit proportional to the top-up. The maintenance dosage must not exceed 100 ml/m³. These dosages will only be effective if the water circuit complies with the provisions of DTU 60.1.

Control: Measurement of phosphate and silica content in treated water. Examination of spool pieces. Monitoring total iron content. To ensure that the quality of the treated water complies with current regulations, we recommend that you take out a contract with our after-sales service to monitor the treatment and carry out the necessary water analyses.

Handling - Storage - Safety

BWT Film105 is a base product. If pure product comes into contact with skin or eyes, rinse with plenty of water and seek medical advice. Store away from heat sources and acids. For all information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the SAFETY DATA SHEET(SDS) available at **www.msds-sys.net.**

Subject to alterations and errors excepted.

BWT DW-3002

Continuous disinfection of sanitary water

Density at 20 °C: **1.05 ± 0.02**
pure pH: **> 11.5**
Appearance: **colourless to yellow, chlorinated odour**
Solubility in water: **total**

Packaging	ITEM CODE
20 KG CONTAINER	**P0008107**
200 KG DRUM	**P0008108**
1,000 KG CONTAINER	**P0008109**

TECHNICAL BENEFITS

- **Algaecide, bactericide and fungicide functions** achieved by a unique facility.
- **Proven effective against legionella**.
- **Easy to use** thanks to its liquid formulation.
- **Biocide active ingredient recommended** by DGS circular no. 2002/243 of 22 April 2002 for the control and prevention of legionella-related risks in sanitary water systems.

Operation

BWT DW-3002 is a chlorine-based liquid formulation with a broad spectrum of effectiveness against bacteria. It is mainly used as a preventive or curative disinfectant in hot and cold water systems (to combat legionella, for example). It is a fast-acting oxidant.

Implementation

Dosage: BWT DW-3002 must be injected undiluted using a metering pump. The treatment consists of adding a sufficient dose of residual oxidant to the circuit to be treated. Analysis of this residual enables the dosage to be adjusted according to the circuit (residence time) and the level of contamination.

Control: Measurement of oxidising residual: the required level generally varies between 0.2 and 1 ppm free chlorine. However, higher doses can be used for shock disinfection of a heavily contaminated circuit (contact us). For optimum efficiency and control of the necessary and sufficient doses, it is recommended that the injection of the BWT DW-3002 be linked to the continuous measurement of free chlorine in the treated installation using a BWT Ecobox type PLC.

Handling - Storage - Safety

Base and oxidising product. It is therefore necessary to take the usual precautions when handling the product (gloves, goggles, clothing, etc.). In the event of contact with eyes or skin, wash with plenty of water. Store in its tightly closed original packaging in a dry, ventilated place, away from frost (temperature > 4°C) and acids. For all information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the SAFETY DATA SHEET(SDS) available at **www.msds-sys.net**.

Before any use, make sure that it is essential, particularly in places frequented by the general public. Whenever possible, use alternative methods and products that present the lowest risk to human and animal health and to the environment. Type of biocidal product: TP2, TP4, TP5 and TP11. Use biocidal products with care. Read the label and product information before use.

Subject to alterations and errors excepted.

BWT ECO-42 090

Rapid cleaner and sludge removal for climatic circuits

Product benefits

Fast-acting thanks to a concentrated formulation for fast action:
- 10 L/m³ = flash 2 h
- 2.5 to 5 L/m³ = 24 h

Non-toxic:
- "readily biodegradable" formulation* (OECD 301F),
- phosphorus-free,
- with biodegradable active ingredients,
- pH neutral.

Preserves water resources by reducing post-circulation rinsing of the product and draining of the circuit (on new networks).

Effective cold and hot, with or without a sludge pump.

Compatible with all metals and other materials synthetic

Packaging	ITEM CODE
20 KG BAG-IN-BOX	125664123
200 KG DRUM	125664129
1,000 KG CONTAINER	125664130

New product from "Alternative Chemicals by BWT"!

This scientific approach aims to **revolutionise chemistry by integrating sustainably responsible practice** to transform water treatment into a virtuous process. **Its aim? To limit your impact on the environment!**

TECHNICAL BENEFITS

- **Optimises the effectiveness of sludge removal** by removing impurities before draining the system.
- **Helps maintain the energy performance** of an old installation.
- **Cleans and prepares new networks for start-up** by dispersing the various residues associated with the installation.
- **Restores the installation's** initial flow rate performance.

Applications

Neutral, 99% biodegradable*, phosphorus-free cleaner for dispersing and recirculating old or new sludge deposits.

The BWT ECO-42 090 can be used on all types of HVAC systems, ideally with a sludge removal pump for operations such as:
- sludge removal before replacing the boiler or heat pump (to maintain efficiency),
- sludge removal in the event of a proven problem (noise, loss of exchange, circulation problems, etc.),
- cleaning new installations before packaging.

Implementation

The concentration used will depend on the time available for the operation and the estimated clogging of the installation. The maximum recommended concentration for a flash action (about 2 h) is 10 L/m³ of the installation, the minimum concentration for a long action is estimated at 1 L/m³. The usual dose for action over 24 hours on a moderately clogged network is between 2.5 and 5 L/m³.

*The ECO file certifying the biodegradability of this product is available on request.

Subject to alterations and errors excepted.

BWT CP-4001

Curative treatment for hot and cold circuits

Density at 20 °C: **1.19 ± 0.02**
pure pH: **> 11.9 ± 0.5**
Appearance: **colourless to pale yellow liquid**
Solubility in water: **total**

Packaging	ITEM CODE
25 KG CONTAINER	**P0008570DVI**
20 KG BAG-IN-BOX	**P0008570BIB**
250 KG DRUM	**P0008571BWT**
1,200 KG CONTAINER	**P0008569**

TECHNICAL BENEFITS

- **Ready-to-use liquid concentrate**.
- **Stability over time and temperature resistance**.
- **Effective** against iron oxide dispersion, hardness and silica.

Operation

BWT CP-4001 is a liquid formulation based on phosphating agents, alkalising agents and synthetic organic polymers that enables:

- to alkalise the water in the circuit to encourage the removal and dissolution of deposits and oxides,
- to disperse precipitated particles and remove them from the drain,
- to create a highly resistant passivating agent to improve the effectiveness of future anti-corrosion treatments.

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

Handling - Storage - Safety

Alkaline product. Take the usual precautions (gloves, goggles, etc.) when handling. Store away from frost (temperature > 4°C) and acids. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the Safety Data Sheet (SDS) available at **www.msds-sys.net**.

Implementation

Dosage: BWT CP-4001 can be injected manually, either neat or diluted. The dosage depends on the degree of clogging of the circuit and the nature of the materials to be treated. Generally, a dosage of 3 to 4 L/m^3 is recommended to clean and disperse sludge. It is therefore advisable to increase drainage to facilitate the removal of dispersed deposits. The use of a magnetic clarifier filter is also recommended, in synergy with its sludge dispersal action. The product should not be used on networks containing elements that are not resistant to alkalinity (certain types of joints, for example, or parts containing aluminium or its alloys, for which a pH strictly below 9 is recommended).

Control: Visual inspection, analysis of phosphates or acrylates.

Subject to alterations and errors excepted.

BWT CC-6301

ICOMmulti-metal chilled water and heating circuits

Density at 20 °C: **1.00 ± 0.02**
pure pH: **11 ± 0.5**
pH (1%): **10.9**
Appearance: **white**
Freezing point: **- 7 °C**

Packaging	ITEM CODE
20 KG CONTAINER	**125504820**
200 KG DRUM	**125504821**
1,000 KG CONTAINER	**125504823**

TECHNICAL BENEFITS

- **Total surface protection** using a unique multi-functional compound.
- **Easy to use** thanks to its liquid formulation.
- **Totally organic, phosphate-free** formulation.
- **Maintains high thermal efficiency**.
- **Perfectly stable at high temperatures**.

Operation

Multifunctional Organic Corrosion Inhibitor (MOCI) treatment. BWT CC-6301 is a multifunctional product for corrosion protection of cold and hot steel, copper and alloy networks. BWT CC-6301 is particularly suitable for treating chilled water and heating networks supplied with softened, osmosis or demineralised water.

Implementation

Dosage: BWT CC-6301 must be used undiluted and injected using a dosing pump ideally controlled by the mains top-up. The dosage of BWT CC-6301 depends on the volume of the circuit and the general operating conditions. For all dosage choices, refer to the recommendations drawn up by our specialists.

Control: Measurement of free film-forming amines in circuit. Internal review of observables.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) when handling. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. Shaking the container too vigorously can spoil the product. Store preferably between 5 and 35°C. Shake vigorously if out of phase shift. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CC-6302

ICOMmulti-metal chilled water and heating circuits

Density at 20 °C: **1.03 ± 0.02**
pure pH: **10.8 ± 0.5**
pH (1%): **9.7**
Appearance: **white**
Freezing point: **- 8 °C**

Packaging	ITEM CODE
20 KG BAG-IN-BOX	**125505707**
200 KG DRUM	**125505708**
1,000 KG CONTAINER	**125505709**

TECHNICAL BENEFITS

- **Total surface protection** with a unique multi-functional compound.
- **Contains an aluminium-specific corrosion inhibitor**.
- **Easy to use** thanks to its liquid formulation.
- **Totally organic,** phosphate-free formulation.
- **Maintains high thermal efficiency**.
- **Perfectly stable at high temperatures**.

Operation

Multifunctional Organic Corrosion Inhibitor (MOCI) treatment. BWT CC-6302 is a multifunctional product for corrosion protection of hot and cold steel, copper, alloy and aluminium networks. BWT CC-6302 is particularly suitable for treating chilled water and heating networks supplied with softened, osmosis or demineralised water.

Implementation

Dosage: BWT CC-6302 must be used undiluted and injected using a dosing pump ideally controlled by the mains top-up. The dosage of BWT CC-6302 depends on the volume of the circuit and the general operating conditions. For all dosage choices, refer to the recommendations drawn up by our specialists.

Control: Measurement of free film-forming amines in circuit. Internal review of observables.

Handling - Storage - Safety

Irritating product. Take the usual precautions (gloves, goggles, etc.) for any handling operations. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. Shaking the container too vigorously can spoil the product. Store preferably between 5 and 35°C. Shake vigorously if there is any phase shift. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

BWT CC-6303

Large-volume ICOM heating circuits

Density at 20 °C: **1.00**
pure pH: **11.5**
pH (1%): **10.9**
Appearance: **white**
Freezing point: **- 6°C**

Packaging	ITEM CODE
20 KG CONTAINER	**125504824**
200 KG DRUM	**125504825**
1,000 KG CONTAINER	**125504826**

TECHNICAL BENEFITS

- **Total surface protection** using a unique multi-functional compound.
- **Easy to use** with its liquid, concentrated formulation.
- **Totally organic, phosphate-free** formulation.
- **Maintains high thermal efficiency**.
- **Contains a blend of neutralising amines** to stabilise the pH.
- **Perfectly stable at high temperatures**.

Operation

Multifunctional Organic Corrosion Inhibitor (MOCI), BWT CC-6303 is a multifunctional product designed to protect steel hot and cold networks against corrosion. The product is particularly suitable for treating chilled water and heating networks supplied with softened, osmosed or demineralised water. It is specially formulated for high-volume networks.

Implementation

Dosage: BWT CC-6303 must be used undiluted and injected using a dosing pump ideally controlled by the mains top-up. The dosage of BWT CC-6303 depends on the volume of the circuit and the general operating conditions. For all dosage choices, refer to the recommendations drawn up by our specialists.

Control: Measurement of free film-forming amines in circuit. Internal review of observables.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) when handling. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. Shaking the container too vigorously can spoil the product. Store preferably between 5 and 35°C. Shake vigorously if out of phase shift. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CC-1002 DA

Multi-metal chilled water and heating circuits

Density at 20 °C: **1.14 ± 0.02**
pure pH: **13.0 ± 0.5**
pH (1%): **11.2 ± 0.5**
Appearance: **light to slightly yellow**
Solubility in water: **total**

Packaging	ITEM CODE
20 KG CONTAINER	**P0008423**
200 KG DRUM	**P0008424**
20 KG BAG-IN-BOX	**P0008423BIB**

TECHNICAL BENEFITS

- **Effective protection** against corrosion and scaling at low dosage, in the presence or absence of oxygen.
- **Easy to use** with its liquid formulation.
- **Stable** at high temperatures.
- **Dispersion effect of deposits** from corrosion products present before treatment.

Operation

Anti-corrosion, anti-limescale and dispersant. BWT CC-1002 DA is a liquid formulation based on organic and mineral corrosion and scaling inhibitors offering a broad spectrum of effectiveness on ferrous and copper metals. BWT CC-1002 DA can be used on all closed water circuits (or circuits with low top-up) and with softened or demineralised water.

Implementation

Dosage: BWT CC-1002 DA can be used undiluted or diluted in softened or demineralised water, either manually or using a dosing pump. BWT CC-1002 DA can be overdosed at the start to ensure a preparatory filming phase on the surfaces to be protected.

Control: Measurement of phosphates and/or molybdates.

Handling - Storage - Safety

Corrosive. Take the usual precautions (gloves, goggles, etc.) when handling. In the event of contact, rinse with plenty of water. Store away from frost. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CC-1008 T

Multi-metal chilled water and heating circuits

Density at 20 °C: **1.128 ± 0.02**
pure pH: **11.5 ± 0.5**
pH (1%): **10.6 ± 0.5**
Appearance: **slightly yellow liquid**

Packaging	ITEM CODE
20 KG BAG-IN-BOX	**125506062**
200 KG DRUM	**125506063**
1,000 KG CONTAINER	**125506064**

TECHNICAL BENEFITS

- **Total protection** using a unique facility.
- **Easy to use** thanks to its liquid formulation.
- **Stable** at high temperatures.
- **Does not discolour the water**.
- **Dispersion effect of deposits** from corrosion products present before treatment.
- **Specially recommended** for multi-metal circuits.
- **Contains no metals**.

Operation

BWT CC-1008 T is a complex formulation of inhibitors providing effective protection against corrosion and scaling. Treatment suitable for closed circuits containing steel, copper, aluminium, galvanised steel and filled with softened water.

Implementation

Dosage: BWT CC-1008 T can be used undiluted or diluted in softened or demineralised water, either manually or using a dosing pump. It is important to follow the dosage recommended by our agents and to supply the circuit with softened or slightly mixed water. Complies with the provisions of DTU 60.1.

Control: Measurement of poly-silicates and tracer.

Handling - Storage - Safety

Take the usual precautions (gloves, goggles, etc.) when handling. If pure product comes into contact with eyes or skin, rinse with plenty of water and seek medical advice. Shaking the container too vigorously can spoil the product. Store preferably between 5 and 35°C. Shake vigorously if out of phase shift. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CC-1005

Multi-metal chilled water and heating circuits

Density at 20 °C: **1.12 ± 0.02**
pure pH: **12.1 ± 0.5**
Appearance: **slightly yellow liquid**
Solubility in water: **total**

Packaging	ITEM CODE
20 KG CONTAINER	**P00008381**
200 KG DRUM	**P00008382**
1,000 KG CONTAINER	**P00008383**

TECHNICAL BENEFITS

- **Total protection** with a unique facility.
- **Easy to use** thanks to its liquid formulation.
- **Stable at high temperatures**.
- **Does not discolour the water**.
- **Dispersion effect of deposits** from corrosion products present before treatment.
- **Circuits containing light alloys.**

Operation

Anti-corrosion, multi-metal scale remover. BWT CC-1005 is a complex formulation of inhibitors providing effective protection against corrosion and scaling. The presence of a buffering agent makes it particularly suitable for closed water circuits containing parts of steel, copper or aluminium and filled with softened water.

Implementation

Dosage: BWT CC-1005 can be used undiluted or diluted in softened or demineralised water, either manually or using a dosing pump. It is important to follow the dosages recommended by our agents and to supply the circuit with softened water.

Control: Measurement of molybdates and poly-silicates.

Handling - Storage - Safety

Corrosive. Take the usual precautions (gloves, goggles, etc.) when handling. In the event of contact, rinse with plenty of water. Store away from frost.
For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CS-3010

Industrial and collective cooling circuits

Density at 20 °C: **1.05 ± 0.02**
pure pH: **4 ± -1**
Appearance: **slightly yellow liquid**
Solubility in water: **total**
Odour: **faint**

Packaging	ITEM CODE
20 KG CONTAINER	**125503386**
200 KG DRUM	**125503385**
20 KG BAG-IN-BOX	**125503387**
1,050 KG CONTAINER	**125557168**

TECHNICAL BENEFITS

- **Synergy between 2 highly effective families of active ingredients**.
- **Non-oxidising**, so non-aggressive towards conventional materials.
- **Effective against legionella**.
- **Algaecide, bactericide and fungicide functions** achieved by a unique facility.
- **Easy to use** with its liquid formulation.
- **Effective and stable** in acid, neutral or alkaline pH.
- **High concentration of** active ingredients reduces treatment and operating costs.
- Use in TP 2, 11 and 12.

Operation

Bactericidal, fungicidal, non-oxidising treatment. BWT CS-3010 is a liquid formulation based on organic compounds that are particularly active over a wide pH range.

The main areas of application are:
• cooling circuits, preventive and curative treatments,
• process circuits.

Implementation

An extensive range of actions. Not for use with ICOMs.

Dosage: BWT CS-3010 can be injected pure or diluted into softened or demineralised water, either manually or using a dosing pump, directly into the circuit to be treated. Dosage depends on circuit contamination (please contact us).

Control: Kit for measuring residual active ingredients. Microbiological analyses (please contact us).

Handling - Storage - Safety

The usual preventive and protective measures should be observed (gloves, goggles, etc.). If splashed, rinse thoroughly with water. Store in a frost-free, well-ventilated area away from sources of heat. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Before any use, make sure that it is essential, particularly in places frequented by the general public. Whenever possible, use alternative methods and products that present the lowest risk to human and animal health and to the environment.

Type of biocidal product: TP2, TP11, TP12. Use biocidal products with care. Read the label and product information before use.

Subject to alterations and errors excepted.

BWT CS-3001

Industrial and collective cooling circuits

Density at 20 °C: **1.03 ± 0.02**
pure pH: **3.5 +/- 0.5**
Appearance: **slightly yellow liquid**
Solubility in water: **total**
Odour: **sweet, aromatic**

Packaging	ITEM CODE
10 KG CONTAINER	**P0008119BWT**
20 KG CONTAINER	**B0007342**
20 KG BAG-IN-BOX	**B0007342BIB**
200 KG DRUM	**B0007343**
1,000 KG CONTAINER	**B0007344**

TECHNICAL BENEFITS

- **Synergy between 2 highly effective families of active ingredients**.
- **Non-oxidising**, so non-aggressive towards conventional materials.
- **Effective against legionella**.
- **Algaecide, bactericide and fungicide functions** achieved by a unique facility.
- **Easy to use** with its liquid formulation.
- **Effective and stable** in acid, neutral or alkaline pH.
- **High concentration of** active ingredients reduces treatment and operating costs.
- Use in TP 11.

Operation

A non-oxidising algaecide, bactericide and fungicide, BWT CS-3001 is a liquid formulation based on organic sulphur compounds that are particularly active over a wide pH range.

The main areas of application are
• cooling circuits, preventive and curative treatments,
• process circuits.

Implementation

Dosage: BWT CS-3001 can be injected pure or diluted into softened or demineralised water, either manually or using a dosing pump, directly into the circuit to be treated. Dosage depends on circuit contamination (please contact us).

Control: Kit for measuring residual active ingredients. Microbiological analyses (please contact us).

Handling - Storage - Safety

The usual preventive and protective measures should be observed (gloves, goggles, etc.). If splashed, rinse thoroughly with water. Store in a frost-free, well-ventilated area away from sources of heat. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Type of biocidal product: TP11. Use biocidal products with care. Read the label and product information before use.

Subject to alterations and errors excepted.

BWT RO-2004

Anti-limescale and anti-fouling agent for reverse osmosis units

Density at 20 °C: **1.182**
pure pH: **2.7**
pH (1%): **3.1**
Appearance: **amber**

Packaging	ITEM CODE
25 KG CONTAINER	**125559020**
20 KG BAG-IN-BOX	**125559021**
250 KG DRUM	**125559022**
1,200 KG CONTAINER	**125559023**

Storage of pure solution

Between - 5 and + 45°C.

Lifespan

- In pure solution: 2 years.
- In dilute solution: 2 weeks.

Specific iron clogging problems

Iron can cause two kinds of clogging problems: soluble and insoluble iron. Whatever form it takes, iron can cause encrustation problems. Using BWT RO-2004 prevents this malfunction.

Characteristics

Prevents membrane clogging by the most common deposits and can accept a very high level of Fe, Mn, Al and silica. (Fe = 1 ppm). Minimises the need to clean the system. BWT RO-2004 is a liquid product.

TECHNICAL BENEFITS

- **Extremely easy to use** (dosing by metering pump).
- **Can eliminate the need for acid dosing and storage**, reducing operating costs, handling problems and environmental constraints (discharge and acid vapours).
- **Reduces the operating costs** associated with having to keep more than one product on site.
- **Reduces the need for** dosing equipment and minimises tank maintenance.
- **Its formulation is designed to limit the biological development that is common** with conventional sequestrants.
- **Reduces downtime** for system cleaning.
- **Reduces the cost of** cleaning chemicals.
- **ANSI/NSF Standard 60 certified**.

Operation

BWT RO-2004 is a high-performance, multifunctional sequestrant, active against clogging, which has been developed specifically for membrane systems.

Clogging in reverse osmosis leads to:

- reduced membrane lifespan,
- lower quality ultrafiltrate,
- increased power consumption,
- increased cleaning requirements.

BWT RO-2004 should be used as a pre-treatment for reverse osmosis units. It has been designed to guard against clogging problems encountered when using membranes, including clogging by the formation of insoluble inorganic salts, silica and iron.

BWT RO-2004 Dosage

BWT RO-2004 is used for continuous treatment from 2 to 25 ml/m^3. The BWT RO-2004 dosage depends directly on the water analysis and the operating conditions of the installation. BWT can help you determine the optimum dosage. BWT RO-2004 is used pure or in dilute solution. The storage bin must be kept closed and cleaned each time it is filled. For dosage, refer to the BWT Osmowell calculator.

Subject to alterations and errors excepted.

BWT RO-2005

Anti-limescale and anti-fouling agent for reverse osmosis units

Density at 20 °C: **1.33 ± 0.02**
pure pH: **11.0 ± 0.5**
1% pH: **10.8 ± 0.5**
Freezing point: **-15°C**
Appearance: **slightly yellow liquid**

Packaging	ITEM CODE
25 KG CONTAINER	**125559024**
20 KG BAG-IN-BOX	**125559025**
250 KG DRUM	**125559026**
1,250 KG CONTAINER	**125559027**

Storage of pure solution

Max. 35 °C.

Lifespan

- Pure product in original sealed packaging: 2 years.
- Pure product in the storage tank: 2 months.
- Diluted product (max. 10-12 times): 1 months.

Performance

BWT RO-2005 is particularly effective against scaling caused by: calcium carbonate, calcium sulphate, barium sulphate, strontium sulphate, calcium fluoride, silica and iron. It can be used on a wide variety of water qualities.

Characteristics

Prevents clogging of membranes by the most common deposits. Minimises the need to clean the system. Excellent dispersion of iron and silica. BWT RO-2005 is a liquid product.

TECHNICAL BENEFITS

- **Extremely easy to use** (dosing by metering pump).
- **Can eliminate the need for acid dosing and storage**, reducing operating costs, handling problems and environmental constraints (discharge and acid vapours).
- **Reduces the operating costs** associated with having to keep more than one product on site.
- **Reduces the need for** dosing equipment and minimises tank maintenance.
- **Its formulation is designed to limit the biological development that is common** with conventional sequestrants.
- **Reduces downtime** for system cleaning.
- **Reduces the cost of** cleaning chemicals.
- **ANSI/NSF Standard 60 certified**.

Operation

BWT RO-2005 is a high-performance, multifunctional sequestrant, active against clogging, which has been developed specifically for membrane systems that have a cellulose or polyamide base.

Clogging in reverse osmosis leads to:

- reduced membrane lifespan,
- lower quality ultrafiltrate,
- increased power consumption,
- increased cleaning requirements.

BWT RO-2005 should be used as a pre-treatment for reverse osmosis units. It has been designed to prevent the problems of clogging encountered when using membranes.

BWT RO-2005 Dosage

BWT RO-2005 is used for continuous treatment from 2 to 5 ml/m^3. The BWT RO-2005 dosage depends directly on the water analysis and the operating conditions of the installation. BWT can help you determine the optimum dosage. It is preferable to dose pure BWT RO-2005 to avoid any risk of polluting the reagent with other substances. However, BWT RO-2005 can be diluted with permeate, so the solution will have to be made up regularly. The storage tank must be kept closed and cleaned each time it is used and every time it is filled. For dosage, refer to the BWT calculator Osmowell.

Subject to alterations and errors excepted.

BWT Glycol N+

Multi-purpose MEG antifreeze for closed circuits

Density at 20 °C: **1.11 ± 0.02**
pure pH: **8.0 ± 0.5**
Appearance: **red liquid**

Packaging	ITEM CODE
20 L BAG-IN-BOX	**P0009645BIB**
210 L DRUM	**P0009646A**
1,000 L CONTAINER	**P0009647A**

BWT GLYCOL N+ (% BY VOLUME)	PROTECTION ANTIFREEZE (± 2 °C)
15%	-7 °C
20%	-9 °C
25%	-13 °C
30%	-16 °C
35%	-21 °C
40%	-27 °C
45%	-32 °C
50%	-39 °C

TECHNICAL BENEFITS

- Easy-to-use **liquid anti-freeze, anti-scale and anti-corrosion product.**
- **High alkaline reserve** for greater stability at high temperatures and over time.
- **Amine- and nitrite-free treatment**.

Operation

BWT Glycol N+ protects climatic circuits against freezing and limits the corrosion of metals such as aluminium, steel, copper and its alloys, and welds, by forming a protective film and neutralising any acidity that may form in the environment. Its synthetic dispersants delay limescale precipitation and disperse it. It is generally used for heat or cold transfer circuits that do not contain zinc or galvanised steel components.

Implementation

Dosage: Corrosion protection is provided at a concentration of 30% or more by volume of BWT Glycol N+, irrespective of the frost protection required. BWT Glycol N+ can be added directly to the system or diluted (preferably with softened water). Good practice always recommends that the installation (even a new one) be cleaned beforehand to avoid the formation of mud as a result of the removal of pre-existing oxides and scale from the system.

Control: Freezing point, inhibitor content.

Handling - Storage - Safety

Product classified as harmful if swallowed. Product not classified for transport. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the SAFETY DATA SHEET(SDS) available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT Glycol Boost

Ready-to-use heat transfer and correction fluid

Density at 20 °C: **1.06 ± 0.02**
pure pH: **12.2 ± 0.5**
Appearance: **colourless liquid**

Packaging	ITEM CODE
20 KG CONTAINER	**125590475**
200 KG DRUM	**125591127**
600 KG CONTAINER	**125560525**

TECHNICAL BENEFITS

- **Highly concentrated alkalise and inhibitor product** on a MEG base.
- **A product that ensures continuity of operation in the** event of serious degradation of the glycol in place.

Operation

BWT Glycol Boost is a corrector for the degradation of MEG-based glycols. Glycols are organic compounds that degrade naturally. This degradation is amplified in particular by temperature and leads to acidification of the environment, which can be catastrophic for the materials in contact (corrosion, sludging, etc.). The all-organic BWT Glycol Boost formulation stabilises a degraded glycol by raising its pH and alkaline reserve, and by introducing a cocktail of suitable inhibitors. This formulation is compatible with BWT glycols. The addition of BWT Glycol Boost is not a substitute for replacing degraded glycol, but helps to limit the harmful effects of degraded glycol before scheduled replacement.

Implementation

Injection: Inject the pure product by hand, spreading it as evenly as possible (slow injection for better distribution).

An injection of 2% of the volume of the degraded glycol provides:
+ 3 pH points
+ 10 points of Alkaline Reserve

Dosage between 0.5 and 5% depending on the glycol analyses.

Handling - Storage - Safety

For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT Glycol Sanit+

Multi-purpose MPG antifreeze for closed circuits

Density at 20 °C: 1.05 ± 0.02
pure pH: 7.5 ± 0.5
Appearance: blue liquid

Packaging	ITEM CODE
20 L BAG-IN-BOX	P0009605BIB
210 L DRUM	P0009606A
1,000 L CONTAINER	P0009607A

BWT GLYCOL N+ (% BY VOLUME)	PROTECTION ANTIFREEZE (± 2 °C)
15%	-5 °C
20%	-7 °C
25%	-10 °C
30%	-13 °C
35%	-18 °C
40%	-23 °C

TECHNICAL BENEFITS

- Easy-to-use **liquid anti-freeze, anti-scale and anti-corrosion product.**
- **High alkaline reserve** for greater stability at high temperatures and over time.
- **Amine- and nitrite-free treatment**.
- **BWT Glycol Sanit+ complies with the Order of 14 January** relating to products introduced into installations used for the heat treatment of water intended for human consumption.

Operation

BWT Glycol Sanit+ protects HVAC systems against freezing and limits the corrosion of metals such as aluminium, steel, copper and its alloys, and welds, by forming a protective film and neutralising the acidity likely to form in the environment. Its synthetic dispersants delay limescale precipitation and disperse it. Its areas of application are generally heat or cold transfer circuits (heating and chilled water) that do not contain zinc, galvanised steel or high-pressure PVC components. Formulation authorised as a single exchange.

Implementation

Dosage: The system is protected against corrosion at a minimum concentration of 30% by volume of BWT Glycol Sanit+, independently of the frost protection. BWT Glycol Sanit+ can be added directly to the system or diluted with softened water. Good practice always recommends that the installation (even a new one) be cleaned beforehand to avoid the formation of mud as a result of the removal of pre-existing oxides and scale from the system.

Control: Freezing point, inhibitor content.

Handling - Storage - Safety

Does not require hazard labelling. Product not classified for transport, health or environmental reasons. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the SAFETY DATA SHEET(SDS) available at **www.msds-sys.net.**

Subject to alterations and errors excepted.

BWT Glycol Agro Boost

Ready-to-use heat transfer and correction fluid

Density at 20 °C: **1.10 ± 0.02**
pure pH: **11.0 ± 0.5**
Appearance: **colourless liquid**

Packaging	ITEM CODE
20 KG CONTAINER	**125626215**
600 KG CONTAINER	**125591372**

TECHNICAL BENEFITS

- **Highly concentrated** alkalise and inhibitor**product** on an MPG base.
- **A product that ensures continuity of operation in the** event of serious degradation of the glycol in place.

Operation

BWT Glycol Agro Boost is a corrector for the degradation of MPG base glycols. Glycols are organic compounds that degrade naturally. This degradation is amplified in particular by temperature and leads to acidification of the environment, which can be catastrophic for the materials in contact (corrosion, sludging, etc.). The all-organic BWT Glycol Agro Boost formulation stabilises degraded glycol by raising its pH and alkaline reserve, and introducing a cocktail of suitable inhibitors. This formulation is compatible with BWT glycols. The addition of BWT Glycol Agro Boost is not a substitute for replacing degraded glycol, but helps limit the harmful effects of degraded glycol before scheduled replacement.

Implementation

Injection: Manually inject the pure product, spreading it as evenly as possible (slow injection for better distribution)

An injection of 2% of the volume of the degraded glycol provides:
+ 3 pH points
+ 10 points of Alkaline Reserve

Dosage between 0.5 and 5% depending on the glycol analyses.

Handling - Storage - Safety

For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

BWT CS-6210

Curative treatment of organic matter (degraded glycols) and biofilm

Density at 20 °C: **0.98 ± 0.02**
pure pH: **7 – 10**
Appearance: **milky white liquid**
Solubility in water: **total**

Packaging	ITEM CODE
20 KG CONTAINER	**125501615**
950 KG CONTAINER	**125557169**

TECHNICAL BENEFITS

- **Non-oxidising** , so non-aggressive towards conventional materials.
- **Bio-dispersant function** acting on the mineral and organic parts of the biofilm.
- **Non-toxic**.
- **Reduced dosage**.
- **Low foaming**.
- **Provides** additional **corrosion protection** during use.
- **Compatible with oxidising biocides**.

Operation

Bio-dispersant and dispersant treatment of organic matter. BWT CS-6210 is an organic formulation based on dispersing agents for fouling organic pollutants. It is used to disperse old deposits, mud, hydrocarbons, biofilms and other organic deposits and to prevent their formation. It is recommended for the treatment of IRDEFA (air coolers), air washers, hydrocarbon recovery systems and all other industrial water systems as a preventive or curative treatment. BWT CS-6210 is an excellent cleaner for degraded glycol circuits.

Implementation

Dosage: BWT CS-6210 must be injected undiluted, by hand or by metering pump, directly into the circuit to be treated or onto the top-up. Synergistic action with one or more biocides is recommended to control the bacterial population.

Monitoring: Please contact us.

Recommended circuit dosages:

- 10 – 25 ppm as a continuous bio-dispersant depending on the organic load,
- 50 – 150 ppm as a cleaning shock, depending on soiling,
- 0.1 – 2% for cleaning heavily fouled heat exchangers and/or pipework.

Handling - Storage - Safety

The usual prevention and protection measures must be observed (gloves, goggles, etc.). If splashed, rinse with plenty of water. Store in a dry place, between 5 and 25 °C. In the event of a phase shift, which is normal for an emulsion of this type, vigorous shaking will restore the original appearance. For further information on precautions for use, the hazards associated with the product, the protective equipment required for handling and the toxicology of the product, please refer to the safety data sheet available at **www.msds-sys.net**.

Subject to alterations and errors excepted.

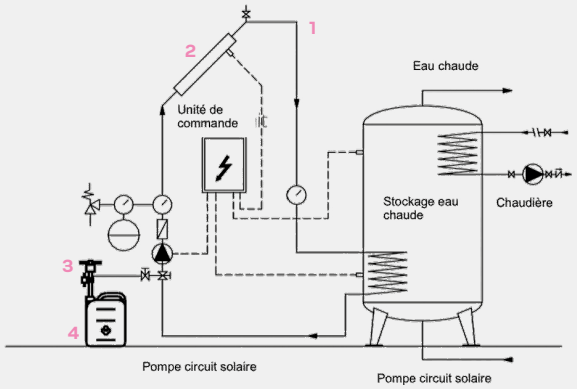
BWT Super Helios

Ready-to-use heat transfer fluid for solar arrays

Density at 20 °C: **1.03 ± 0.02**
pure pH: **10.5 +/- 0.5**
Appearance: **colourless liquid**
Alkalinity reserve: **> 14 ml HCLO.1N**
Antifreeze protection: **down to - 28 °C**

Packaging	ITEM CODE
5 KG CONTAINER	**125595219**
10 KG CONTAINER	**125595220**
20 KG CONTAINER	**125595221**

Installation recommendations



1 Solar Circuit
2 Solar Sensor
3 Injection Pump
4 BWT Super Helios

TECHNICAL BENEFITS

- **Protects against frost** at temperatures down to -28°C.
- **Prevents mud from forming.**
- **Protects against corrosion and clogging**.
- **Alkalinity reserve** to stabilise pH.
- **Exempt from all ADR requirements**.
- No special storage conditions.
- **Compatible with all materials used** in the construction of solar systems.
- **Compatible with seals** commonly used in solar systems.
- **Easy to use**.

Operation

BWT Super Helios is a ready-to-use, non-toxic, propylene glycol-based, inhibited heat transfer fluid for use in solar thermal systems with flat-plate and evacuated collectors.

Applications

Injection into solar thermal systems.
BWT Super Helios resists temperatures above the degradation temperature of ordinary glycols (around 170 °C) and short-term temperature fluctuations above 250 °C. It is hermetically sealed as a heat transfer fluid to withstand high temperatures, prevent the formation of sludge and protect against freezing, incrustation and corrosion.

Handling - Storage - Safety

Ready to use, do not dilute with water, do not mix with other products and do not introduce the product into the system if another product, or an unknown product, is already present. After cleaning, refill the system exclusively with undiluted BWT Super Helios. To fill the system: shake before use to homogenise the product and inject using an injection pump. Store in a place away from sources of heat and bad weather, and away from food. Keep out of reach of children. Keep the packaging closed with the original caps.

Subject to alterations and errors excepted.

Rapid Descaling Units

» For removal of scale in warm water units, boilers, flow heaters and hot water units
» Intensive descaling by means of circulation of the solvent
» Acid-proof version
» Solvent container made of corrosion proof plastic



Rapid descaling unit SEK 28

Integrated holders for hoses and cables. Hoses with 3/4" connection, 2 double nipple, reduction connection equipment (male thread 3/4", female thread 1/2" and 3/8"). On/Off-switch. With SEK test box.

TYPE SEK 28	
Container content	20 l (5.3 gallons)
Pump head (max.)	8 mWS
Circulation rate (max.)	1500 l/h (6.6 gpm)
Temperature resistance	up to 60 °C
Electrical connection	230 V/50 Hz
ORDER NO.	**60008**



Portable rapid descaling unit KalkEx-Mobil

Complete with armoured hoses, with 3/4" connection and SEK test box incl. connection-set for KalkEx-Mobil. 2 double nipples/reduction connection equipment (male thread 3/4", female thread 1/2" and 3/8"). Discharge for solvent container.

TYPE KALK EX-MOBIL	
Container content	40 l (10.6 gallons)
Pump head (max.)	15 m WS
Circulation rate (max.)	2100 l/h (9.3 gpm)
Temperature resistance	up to 60 °C
Electrical connection	230 V/50 Hz
Order no.	**60007**

Selection table for solvents

APPLICATION FIELD	SOLVENTS				SOLVENTS	PASSIVATION
Material	for the removal of scale, and inorganic layers (except rust).				for the removal of scale, rust and inorganic layers.	after treatment of metal surfaces
Product description	Limescale solvent P up to 60°C	Limescale solvent	Limescale solvent VA	Limescale solvent Ecosafe	FFW / ZN	NAW
Grey cast iron	X	X	–	X	X	X
Steel, un-alloyed and low-alloy steel	X	X	–	X	X	X
Copper and copper alloys (brass and other nonferrous metals)	X	X	–	X	X	X
Enamelled steel (acid-resisting)	X	X	–	X	X	X
Tin coated materials	X	X	–	X	X	X
Galvanized steel according to DIN	X	X	–	X	X	X
Aluminium	X	X	–	X	–	–
Stainless steel	X	X	X	X	–	X
Polysulfon RO-membranes	X	–	–	–	–	–
UV units	X	–	–	X	–	–
Drinking water application	X	X	X	X	X	X

The used solvents can be neutralised with Neutra or Neutra P.

Subject to alterations and errors excepted.

Limescale Remover in Powdered Form

» Through small portioned packages, heavy containers and difficult filling have become a thing of the past

Kalklöser P

for the reliable removal of limescale in instantaneous water heaters, heat exchangers, boilers, pipes, coffee machines, etc. 5 bags of 1 kg (powder)

TYPE KALKLÖSER P

ORDER NO.	60978E



» Enviromentally compatible due to the new powder concept
» Up to 50 % less work due to high processing temperatures
» Easy handling through practical

Neutra P

for the neutralisation of used solvent, 5 bags of 300 g (powder)

TYPE NEUTRA P

ORDER NO.	60979E



» For the neutralisation of limescale solvent P
» Raises the pH-value
» Is easy to process

Rapid descaling solvents and neutralising agents

» concentrated chemicals for scale and rust removal
» rapid dissolving of scale and rust encrustations
» recommended by leading manufacturers
» complete programme

Pallet order size (800 × 1200 mm)	28
Packaging unit	20 kg container

FFW / ZN – FOR DRINKING WATER

Material resistant according to VDI 2035
Descaling capacity: 2.5 kg FFW/ZN dissolve 1 kg of scale

TYPE FFW/ZN

ORDER NO.	60977

Deliming agents

Capacity exhaustion indicated optically by changing colour.
Descaling capacity: 1 kg limescale solvent dissolves 1 kg of scale

TYPE KALKLÖSER, 20 KG

ORDER NO.	60999

Limescale solvent

Descaling capacity: 1 kg limescale solvent dissolves 1 kg of scale

TYPE KALKLÖSER ÖKOSAFE

ORDER NO.	60971

Kalklöser VA

For cleaning of stainless steel installations
Descaling capacity: 1.1 kg limescale solvent VA dissolves 1 kg of scale

TYPE KALKLÖSER VA, 20 KG

ORDER NO.	60980



» Environmentally `Green product´
» Easily bio-degradable
» No harmful vapours or gases
» Sustainable product Eco-Safe limescale solvent

NAW

For post-treatment and passivation of metal surfaces after chemical cleaning

TYPE NAW, 20 KG

ORDER NO.	60993

Neutra

For neutralisation of used solvents

TYPE NEUTRA, 20 KG

ORDER NO.	60991

Subject to alterations and errors excepted.


BWT
For You and Planet Blue.
BEST WATER TECHNOLOGY
BWT
BEST WATER TECHNOLOGY
Woda-Pure Mineralizer XL
Mg + CUF PROTECT

BWT Mineralized Drinking Water

Best, Tastiest, Mineralized Water



BWT Filtration Expertise

Taste the difference

In a world where water quality varies from region to region, BWT Woda-Pure acts as the silent guardian under your sink. By combining sediment filtration, activated carbon, ultrafiltration, and ion exchange, BWT delivers tailored water treatment exactly where it matters most. Unwanted substances are reduced, limescale is minimized, taste is enhanced, and hygienic safety is ensured - all directly at the tap.

As a final step, the filtered water can be enriched with valuable minerals to further enhance taste and drinking comfort. Depending on the application, this can be achieved either through an all-in-one cartridge or by combining individual filters for a fully customized solution.

True to its name, this is not just water. It is Best Water Technology - transforming ordinary tap water into filtered, mineralized drinking water with real added value for everyday life.

What happens inside the cartridge?

4-in-1 filtration performance in one compact cartridge, combining sediment filtration, activated carbon, ultrafiltration, and ion exchange.

- Improved taste, odor, and clarity thanks to high-performance activated carbon reducing chlorine and organic compounds.
- Reliable protection against particles and fine contaminants through multi-layer filter media.
- Hygienically safe drinking water as ultrafiltration removes bacteria and microorganisms.
- Noticeably reduced limescale due to integrated ion exchange for water softening.
- Better protection and longer lifetime of household appliances by minimizing scale formation.

Enriched with valuable minerals
Depending on the technology, the filtered water is enriched with valuable minerals such as magnesium, zinc, or silicate.



Filter cartridges with fixed bypass
BWT has developed a special process that eliminates the need for an adjustment at the filter head to regulate the bypass water. In this system, 100% of the water passes through the activated carbon filtration. Afterward, the water is split into the bypass and mineralization stages. Advantages: No adjustments needed at the filter head, while maintaining consistent taste.

Key Benefits

BWT refines your tap water with tailor-made filtration systems. The result: perfect taste, maximum protection for your appliances, and minimal resource usage.
All BWT filter cartridges refine your tap water through multiple filtration stages. You can choose whether you want your water to be simply filtered or also enriched with minerals. Thanks to BWT, you have many options.

Find out more

Woda-Pure Filter Selection



Installation example:
Activated carbon + Magnesium enrichment

	Woda-Pure S-F5	Woda-Pure S-C / Woda-Pure V-C	Woda-Pure S-UF	Woda-Pure S-CUF
				
	Anti-Particles	Anti-Chlorine	Anti-Bacteria	All-in-one
	• Filtration of particles like dirt, sand, rust and other suspended matter bigger than 1 µm/5 µm. S-F5 > 5 µm	• Removal of chlorine, organics, bad taste, smell and odour through highly effective and food safe activated carbon.	• Removal of bacteria by ultrafiltration - the hollow fibre membrane protects against microorganisms and ensures optimum hygiene.	• Removal of chlorine and other residual substances using activated carbon. • Removal of bacteria by ultrafiltration - the hollow fibre membrane protects against microorganisms and ensures optimum hygiene.
	BASIC FILTRATION	PURIFICATION		

Technical data

	S-F5	S-C	V-C	S-UF	S-CUF
Connection width	DN 10 (3/8")	DN 10 (3/8")		DN 10 (3/8")	DN 10 (3/8")
Max. flow rate	200 l/h (0.88 gpm)	200 l/h (0.88 gpm)		200 l/h (0.88 gpm)	200 l/h (0.88 gpm)
Operating pressure min./max.	2-8 bar (29-116 psi)	2-8 bar (29-116 psi)		2-8 bar (29-116 psi)	2-8 bar (29-116 psi)
Filter capacity up to	–	12,000 L	40,000 L	12,000 L	12,000 L
Overall height with filter head and fixture	385 mm	385 mm	445 mm	385 mm	385 mm
Certification	KTW certified (UBA); EN 16421 microbial growth tested; Halal certified				
Operating position**	vertical	vertical		vertical	vertical
ITEM CODE (DE) FILTER HEAD	**12533**	**12533**		**12533**	**12533**
ITEM CODE (DE) CARTRIDGE	**12538**	**12561**	**12562**	**12566**	**12539**

Premounted inline filter head available

Designation	ITEM CODE (DE)
DUPLEX INSTALLATION (TWO-STAGE FILTRATION SOLUTION)	**12586**
TRIPLEX INSTALLATION (THREE-STAGE FILTRATION SOLUTION)	**12587**





Special Magnesium head
for Woda-Pure clear

Woda-Pure SoftMin M	Woda-Pure Mineralizer M Mg + Zinc	Woda-Pure Clear V, M, XL Mineralizer	Woda-Pure Mineralizer XL Mg + CUF PROTECT	Woda-Pure Mineralizer M Mg + CUF CARE
				
Plus Minerals	Adds Zinc and Magnesium	Adds Magnesium	All-in-one (for hard water) adds Magnesium	All-in-one (for soft water) adds Magnesium
• Re-mineralisation of the water by adding naturally occurring minerals - nutritionally perfectly balanced. • Recommended after a reverse osmosis system to improve the water taste.	• Filtration of particles, e.g., dirt, sand, rust. • Removal of chlorine and odour to avoid bad taste and smell. • Protection from limescale/hardness removal. • Enrichment with magnesium minerals and zinc.	• Removal of Calcium (hardness) to prevent limescale deposits in hot/cold water devices. • Enrichment with magnesium minerals for a better flavour of tea, coffee and drinking water. • Chlorine removal	• Filtration of particles, e.g., dirt, sand, rust. • Removal of chlorine and odour to avoid bad taste and smell. • Protection from limescale/hardness removal. • Ultrafiltration with 99.999% retention of bacteria and microplastic ≥ 1µm. • Enrichment with magnesium minerals.	• Filtration of particles, e.g., dirt, sand, rust. • Removal of chlorine and odour to avoid bad taste and smell. • Ultrafiltration with 99.999% retention of bacteria and microplastic ≥ 1µm. • Enrichment with magnesium minerals.

MINERALIZATION

SoftMin M	Mg + Zinc M	Clear V	Clear M	Clear XL	Mg + CUF Protect XL	Mg + CUF CARE V	Mg + CUF CARE M
DN 10 (3/8")	DN 10 (3/8")	DN 10 (3/8")			DN 10 (3/8")	DN 10 (3/8")	
200 l/h (0.88 gpm)	200 l/h (0.88 gpm)	60 l/h (0.26 gpm)			200 l/h (0.88 gpm)	200 l/h (0.88 gpm)	
2-8 bar (29-116 psi)	2-8 bar (29-116 psi)	2-8 bar (29-116 psi)			2-8 bar (29-116 psi)	2-8 bar (29-116 psi)	
4,500 L	2,050 L	2,500 L	3,800 L	6,100 L	2,250 L	2,000 L	5,000 L
500 mm	500 mm	445 mm	500 mm	527 mm	527 mm	445 mm	500 mm
KTW certified (UBA); EN 16421 microbial growth tested; Halal certified							
vertical	horizontal/vertical	vertical			horizontal/vertical	horizontal/vertical	
12533	**12533**	**12580**			**12533**	**12533**	
12563	**125595502**	**12567**	**12568**	**12569**	**125595499**	**125595500**	**125666108**

*Lifetime depends on water hardness level (please see product manual for more information)
** We always recommend vertical installation

BWT AQA drink PRO 20

Water Dispenser



TECHNICAL BENEFITS

- **Mains-connected countertop or standing unit**.
- **3-level hygiene protection** with the BWT hygiene system.
- **Personalized drinking experience** with 3 water options.
- **State-of-the-art UV-LED** technology for maximum hygiene.
- **Connectivity** via the BWT app*.

*A connection is only possible with the additional device b.CONNECT from BWT (device not included in the delivery).

Operation

The compact, powerful all-rounder is universally applicable for all areas with medium water consumption. With round-the-clock service and BWT system hygiene, it ensures the highest hygiene standards and, most importantly, delicious-tasting Magnesium Mineralized Water: still, chilled, sparkling, or hot. The AQA drink PRO 20 is available as a countertop installation or as a freestanding water column (with an integrated base cabinet) and is offered both for purchase and in a rental option.

Applications

Filter technology for Magnesium Mineralized Water
The appropriate BWT AQA drink filter cartridge with patented BWT Magnesium technology transforms tap water into a delightful taste experience. Filters with integrated ultrafiltration membranes are recommended, as they retain 99.9999% of bacteria and reduce microplastics down to 0.001 mm.

The right device for every taste and situation
Whether you prefer still, chilled, sparkling, or hot water, and no matter how much space you have available, there is an ideal AQA drink PRO 20 version for everyone. For areas with higher water demand, such as canteens, lobby areas, or meeting rooms, two or more units placed side by side can cover peak times and ensure the highest supply reliability.

	BWT AQA DRINK PRO 20 CAS	BWT AQA DRINK PRO 20 HCS
C – cold water	✓	✓
A – still water	✓	–
S – sparkling water	✓	✓
H – hot water	–	✓
Number of users	app. 20	app. 20
Output rate (chilled/sparkling)	20 l/h	20 l/h
Output rate (still)	>120 l/h	>120 l/h
Output rate (hot)	–	9 l/h
Chilled water temperature	4 to 12 °C	4 to 12 °C
Hot water temperature	–	90 to 95 °C
Unit dimensions (W × H × D)	230 × 390 × 360 mm	230 × 390 × 360 mm
Under-cabinet dimensions (W × H × D)	230 × 800 × 360 mm	23 × 800 × 36 mm
Stand model dimensions (W × H × D)	230 × 1,190 × 360 mm	230 × 1,190 × 360 mm
ITEM CODE COUNTERTOP (AT)	**826069**	**826071**
ITEM CODE STAND MODEL (AT)	**826070**	**826072**
ITEM CODE (DE)	**25060**	**25061**

(Dimensions without guarantee)



Integrated cup dispenser



Operation via touch buttons

BWT
AQA drink SIP 30

Water dispenser



MINERALIZED WATER | HYGIENIC SAFETY | NO MORE PLASTIC BOTTLES | CONNECTED* VIA B.CONNECT

TECHNICAL BENEFITS

- **Top end carbonator and heating capacity**.
- **Made for operators with ease of access** to internal maintenance parts.
- **User-friendly design** with clear visual and color-coded feedback based on selected water choice.
- **Ergonomic size** for ease of distribution.
- **Generous height of distribution** to accomodate most personal drinking bottle.

Operation

The AQA drink SIP 30 represents a new generation of water dispensers, combining innovation, sustainability, energy efficiency, and elegance. Thanks to its DCLC (Direct Chilling Low Consumption) cooling system, it reduces standby power consumption by 300% (only 4 to 5W) compared to previous models, making it a key asset for businesses looking to minimize their environmental impact. Without an ice bank, it eliminates leaks, pump noise, and maintenance issues, ensuring fresh, readily available water at all times. The contactless electronic interface enhances hygiene and simplifies use.

Applications

Designed to meet professional needs, the AQA drink SIP 30 offers 4-in-1 dispensing and multiple options for optimal customization, including the WATER INTACT disinfection module, patented UV-C aerator, CO2 absence sensor (end-of-bottle alert), drip tray or container full detection, reverse osmosis, and advanced filtration and remineralization options. Easy maintenance and reparability are ensured through its accessible internal components, including the CO2 bottle and container, simplifying service operations. With its flexible installation options, either freestanding or tabletop, it integrates effortlessly into any environment.

Standard equipment

- 1 drinking water supply with a pressure of less than.
- 4.5 bar, if higher, a pressure reducer is required.
- Installation must be with waterblock for warranty purpose.
- 1 compliant 230V 2P+T power supply (3x2.5 mm^2 protected by a 30 mA differential).
- 1 drain connection for drainage model.

	AQA DRINK SIP 30	AQA DRINK SIP 30	AQA DRINK SIP 30	AQA DRINK SIP 30
C - Cold/A - Ambient/H - Hot/S - Sparkling	CA	HCA	CAS	HCAS
Cooling technology	DCLC	DCLC	DCLC	DCLC
Cooling capacity*	30 to 45 L/h	30 to 45 L/h	30 to 45 L/h	30 to 45 L/h
Heating capacity	-	19 L/h	-	19 L/h
Number of people (approx.)	30 to 50	30 to 50	30 to 50	30 to 50
Tabletop Dimension (W × H × D)	280 × 500 × 500 mm	280 × 500 × 500 mm	280 × 500 × 500 mm	280 × 500 × 500 mm
Floorstanding Dimension (W × H × D)	280 × 360 × 1,350 mm	280 × 360 × 1,350 mm	280 × 360 × 1,350 mm	280 × 360 × 1,350 mm
Dispensing height	314 mm	314 mm	314 mm	314 mm
Tabletop Weight	15 kg	16 kg	18 kg	19 kg
Floorstanding weight	20 kg	21 kg	23 kg	24 kg
Material/colorheight	Prime coated steel/white	Prime coated steel/white	Prime coated steel/white	Prime coated steel/white
Cooling control	Thermostat 4-12°C	Thermostat 4-12°C	Thermostat 4-12°C	Thermostat 4-12°C
Compressor power	120 W	120 W	120 W	120 W
Carbonateur capacity	-	-	1.4 L	1.4 L
Power Supply	230V/50Hz	230V/50Hz	1230V/50Hz5	1.230V/50Hz
Cooling gaz	R290	R290	R290	R290
inch water inlet pipe	5/16"	5/16"	5/16"	5/16"
inch CO_2 inlet pipe	-	-	1/4"	1/4"
max CO_2 pressure	-	-	5 bar	5 bar
water inlet pressure	1-4,5 bar (14.5-65.3 psi)	1-4,5 bar (14.5-65.3 psi)	1-4,5 bar (14.5-65.3 psi)	1-4,5 bar (14.5-65.3 psi)
Electrical protection class	1	1	1	1
Stand by energy consumption	32 kWh/year	155 kWh/year	32 kWh/year	155 kWh/year
Maximum Power consumption	242 W	1600 W	300 W	1650 W
% recyclability	80%	80%	80%	80%
ITEM CODE TABLE TOP WITH UV	**125686505**	**125686506**	**125686507**	**125686508**
ITEM CODE FLOORSTANDING WITH UV	**125686509**	**125686510**	**125686511**	**125686512**
ITEM CODE TABLE TOP WITHOUT UV	**125687877**	**125687878**	**125687879**	**125687880**
ITEM CODE FLOORSTANDING WITHOUT UV	**125687881**	**125687882**	**125687883**	**125687884**

DCLC: Highlight and prioritize the "low consumption" argument, with standby power that is 3 to 4 times lower than an ice bank machine.

BWT AQA drink PRO 60

Water Dispenser



TECHNICAL BENEFITS

- **Capacity:** 60 l/h for chilled/carbonated water or 26 l/h for hot water.
- **Water options** (4 per device version): chilled still, mildly carbonated, carbonated, ambient, or hot.
- **Glass and carafe filling:** programmable.Connectivity: Bluetooth, Wifi, and app for device management.
- **Integrated filter** capacity monitoring.
- **Available in:** Countertop or floor-standing versions and in black or white color.
- **BWT app connectivity:** Available for management.

Operation

The AQA drink PRO 60 impresses with its innovative technological features and high-quality stainless steel design. Thanks to a state-of-the-art UV system at the water outlet and an automatic cleaning system, you can enjoy your daily water with hygienic safety.

Applications

Filtration technology

The suitable BWT AQA drink filter cartridge with patented BWT Magnesium technology transforms tap water into a delightful taste experience. Filters with an integrated ultrafiltration membrane are recommended, as they retain 99.9999 % of bacteria and reduce microplastics down to 0.001 mm.

A device for every taste and situation

No matter whether you prefer still, chilled, sparkling, or hot water, or whether you have more or less space available, the different AQA drink PRO 60 versions offer something for everyone. For areas with higher water demands, such as cafeterias, lobbies, and meeting rooms, two or more devices can be placed side by side to cover peak times and ensure the highest supply reliability.

	AQA DRINK PRO 60	AQA DRINK PRO 60 HOT
C – cold water	✓	✓
A – still water	✓	✓
S – sparkling water	✓	✓
M – mildly carbonated water	✓	–
H – hot water	–	✓
Number of users	up to 100	up to 100
Output rate (chilled/sparkling)	60 l/h	60 l/h
Output rate (still)	120 l/h	120 l/h
Output rate (hot)	–	26 l/h
Chilled water temperature	4 to 12 °C	4 to 12 °C
Hot water temperature	90 to 95 °C	90 to 95 °C
Unit dimensions (W × H × D)	275 × 455 × 460 mm	275 × 455 × 460 mm
Under-cabinet dimensions (W × H × D)	275 × 1,380 × 460 mm	275 × 1,380 × 460 mm
Stand model dimensions (W × H × D)	275 × 925 × 460 mm	275 × 925 × 460 mm
ITEM CODE COUNTERTOP	**BLACK 125548052** **WHITE 125548053**	**BLACK 125546898** **WHITE 125546901**
ITEM CODE CABINET	**BLACK 125546900** **WHITE 125546902**	**BLACK 125546900** **WHITE 125546902**

(Dimensions without guarantee)



Operation via touch buttons



Drip tray


FOR YOU AND PLANET BLUE
AQUA PEARLS
Change the World
TO THE BETTER
aquapearls.org

BWT ESG Environmental Social Governance

Changing the world with pink commitment

AQUA PEARLS Foundation

The AQUA PEARLS Foundation is a non-profit private foundation initiated by BWT and its CEO Andreas Weissenbacher in 2016, supported by ambitious partners around the world.



Andreas Weissenbacher
CEO BWT Holding GmbH

The foundation's overarching goal is to improve the living conditions of disadvantaged people and contribute to a healthy planet. In collaboration with carefully selected organizations, projects, and a strong collective effort, the foundation is committed to the following goals:

- **Access to clean drinking water**
- **Alleviating poverty**
- **Promoting and educating about sustainability**
- **Protecting the environment**

Our Projects



AUSTRIA

Headquarter AQUA PEARLS Foundation

AFRICA/THE GAMBIA

b.waterMISSION

AFRICA/KENYA

Zeitz Foundation



b.waterMISSION

SOUTH AFRICA

The Beach Co-Op

AFRICA/TANZANIA



Medical Board



b.waterMISSION

Make the change!

ESG Environmental Social Governance

INDIA



Aasraa Trust



Jhamtse Gatsal

CHINA/HONGKONG



SoCO

INDONESIA/BALI



Green School



Any support for the AQUA PEARLS Foundation means becoming an active partner and part of the pink commitment to make a positive contribution and create meaningful change in the world. Join our mission to change the world with collective effort. Your donation will support carefully selected organizations and projects.

If you wish to support a specific organization, please include this information in the "Purpose" field when making your transfer.

Scan the QR code and donate instantly online.

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If you prefer to make your donation via bank transfer, please find the details below:

AQUA PEARLS For You and Planet Blue
Non-profit private foundation
Walter-Simmer-Strasse 4, AT-5310 Mondsee
IBAN: AT10 1200 0100 3627 4743 · BIC: BKAUATWW
IBAN: AT76 3432 2000 0004 0261 · BIC: RZOOAT2L322

For a donation confirmation, please scan the QR code.

Thank you for joining us in changing the world.

General terms and conditions of sale

(January 2025)

1. General

1.1. These terms and conditions apply to all deliveries and services of BWT Wassertechnik GmbH, HRB 430676, Industriestraße 7, 69198 Schriesheim, Germany, to entrepreneurs and all other customers. They apply to entrepreneurs even if they are not expressly referred to. For consumer transactions, these general terms and conditions apply with the deviations for consumer transactions that are legally regulated in the country in which the consumer has his habitual residence. Our deliveries are made exclusively on the basis of these terms and conditions. Conflicting conditions of purchase of the purchaser are not binding for the supplier, even if they are the basis of the order and the supplier has not expressly objected to their content. Employees of BWT are not authorized to make agreements that deviate from these conditions. Deviating from this, informally made changes or additions to this contract are also effective in a consumer transaction, if they are individual agreements. A consumer is any natural person who enters into a legal transaction for purposes that are predominantly outside his trade, business or profession.

1.2. These terms and conditions also apply if they were the basis for a first order and they remain equally in force in all future business relations with the contractual partner, regardless of whether the terms and conditions were expressly or otherwise incorporated or, in the case of recurring services and orders on call, the later order was based on the BWT order confirmation.

2. Conclusion of contract

2.1. The order shall only be deemed to have been accepted if it is confirmed in writing or executed immediately by the supplier. The supplier reserves ownership and copyrights to drawings, samples, models, tools and other documents that are created or provided in the course of the order. They may not be made accessible to third parties or used by the customer for his own or third-party purposes. The customer may not make copies, photos or the like of the documents. The documents are to be returned to the supplier unrequested after completion of the order. The customer is fully responsible for ensuring that no third-party intellectual property rights are infringed by the documents provided by him to the supplier. The supplier's offers are always subject to change unless otherwise agreed in writing.

2.2. Offer documents, such as drawings, illustrations, weights and other dimensions, are only approximate, unless expressly designated as binding by BWT. Changes are reserved. This applies in particular to the information provided in the rules of operation provided to the contractual partner. Calculations and information on water quality or water properties achieved by the item for sale carried out by BWT are based on the analysis values provided by BWT. It is agreed that these calculations are provided to the contractual partner by BWT solely for the purpose of assessing the requirements and planning goals of the contractual partner and that the calculations are generally non-binding. The values stated may change if the analysis values, discharge rates and flow rates, etc. are changed.

2.3. In the case of consumer transactions, the supplier must send the customer a written order confirmation within a reasonable period of time, at the latest within 14 days of the order being placed, otherwise the customer is no longer bound by the order or the offer. If the customer orders by telephone, he makes a binding offer to conclude a purchase contract with the supplier. The purchase contract is concluded in this case when the supplier accepts the customer's offer by sending the goods to the customer.

2.4. Obvious printing errors, errors, spelling and calculation errors do not bind BWT. This applies in particular to errors in the description of the goods and services in the offer.

2.5. The contractual partner is obliged to immediately notify the supplier in writing of any deviations from the message he has sent. Otherwise, it is assumed that a valid contract has been concluded between the parties, which includes these general terms and conditions, with the content confirmed in the BWT order confirmation.

3. Cost estimates

3.1. Cost estimates are only binding if they are issued in writing and designated as binding.

3.2. Cost estimates are chargeable, unless otherwise agreed. The supplier does not guarantee the accuracy of cost estimates that were prepared to the best of his knowledge and based on the information available to him at the time the cost estimate was made.

3.3. The cost estimates issued by BWT and the underlying plans, sketches and drawings may not be made accessible to third parties without the express written consent of BWT. Intellectual property remains with BWT.

3.4. If it becomes apparent on site that additional, cost-increasing services are required for the proper performance of the service, BWT is entitled to carry out these services without a separate order from the contractual partner, provided that the final amount of the original cost estimate is not exceeded by more than 15 %.

3.5. If an appraisal or disassembly of the item and a check of the individual parts is necessary for the preparation of the cost estimate, the contractual partner must reimburse the costs involved.

4. Delivery

4.1. Unless otherwise agreed in writing, deliveries of goods shall be made „ex works" (INCOTERMS 2020) from one of the supplier's warehouses.

4.2. The customer or a third party commissioned by the customer (e.g., a freight forwarder) must ensure that the goods are properly loaded and/or secured. The supplier shall not be liable for any defects in loading or securing.

5. Scope of the delivery

5.1 The scope of the deliveries and services shall be definitively fixed in the supplier's order confirmation. Supplements, changes, etc. require written confirmation by the supplier. Dimensions, weights, illustrations and drawings for water treatment plants are only binding for the execution if this is expressly confirmed in writing. Advice given by our office and field staff is given to the best of their knowledge and in accordance with the state of the art and is based on normal operating conditions. Should the operating conditions, e.g. water quality, machines used or other on-site components change in the period between our offer and delivery, the customer is obliged to inform us immediately.

6. Delivery period

6.1 If no special conditions have been agreed with the customer, our usual delivery and performance deadlines shall apply. Deadlines are only binding if they have been expressly agreed as binding. The period for deliveries and services (delivery period) begins as soon as all details of execution have been clarified and both parties have agreed on all terms of the contract and refers to completion at the factory. Compliance with the delivery period is conditional upon the timely fulfillment of the customer's contractual obligations, in particular the terms of payment. If these conditions are not fulfilled in good time, the deadline shall be extended accordingly. The defense of non-performance of the contract remains reserved.

6.2 A reasonable grace period shall also be granted if the failure to meet the deadline is demonstrably due to events of force majeure, even if they occur during a delay in delivery, such as epidemic or pandemic-related business interruptions or business or supply chain interruptions due to official or legal orders. Force majeure events are unforeseen obstacles in accordance with point 17.

6.3 The same shall apply if official approvals or other approvals or information from the customer required for the execution of the delivery are not received in good time; the same shall apply in the event of subsequent changes to the order.

If the Supplier is in default through its own fault, the Purchaser may, provided it can prove that it has suffered damage as a result of the delay, demand compensation of a maximum of 0.5 % of the gross order amount in arrears for each full week of the delay, but no more than a total of 5 % of the gross order amount in arrears. Other or further claims for compensation by the Purchaser are excluded in all cases of delayed deliveries, even after expiry of a grace period granted to the Supplier, unless the Supplier's delay is due to intent or gross negligence.

6.4 The Purchaser's right to withdraw from the contract after the fruitless expiry of a grace period granted to the Supplier shall remain unaffected. Withdrawal must be asserted by registered letter.

6.5 If the delivery date is delayed at the request of the Purchaser, the Purchaser shall pay a storage fee of 1 % of the invoice amount for each month or part thereof (for interest, storage costs and insurance) from the date of notification of readiness. Consumers are permitted to prove that no damage has been incurred or that the damage is less than the estimated lump sum of 1 % of the invoice amount for each month or part thereof.

6.6 In the case of consumer transactions, the applicable statutory provisions shall apply.

7. Transfer of risk

7.1 In the case of delivery without installation or assembly, the risk, in particular for loss of or damage to the goods, shall pass to the customer as soon as the goods have been handed over to the carrier or other shipping person, in the case of default of acceptance by the customer from notification of readiness for dispatch. This shall also apply if partial deliveries are made or if the supplier has assumed other services.

7.2 This shall not apply if the customer is a consumer. In the case of consumer transactions, if the Supplier sends the goods, the risk of loss of or damage to the goods shall not pass to the Purchaser until the goods have been delivered to the Purchaser or to a third party designated by the Purchaser other than the carrier. However, if the customer himself has concluded the contract of carriage without making use of a selection option proposed by the supplier, the risk, in particular for loss of or damage to the goods, shall pass to the carrier as soon as the goods are handed over.

7.3 In the case of delivery with installation and/or assembly, the risk, in particular for loss of or damage to the goods, shall pass to the contractual partner on the day of acceptance in operation or, if trial operation has been agreed, after faultless trial operation. This is subject to the condition that the trial operation or takeover at the contractual partner's own premises immediately follows the operational installation and assembly. If the contractual partner does not accept the offer of a trial run or acceptance at its own premises, the risk, in particular for loss of or damage to the goods, shall pass to the contractual partner 7 days after the expiry of this offer. The risk, in particular for the loss or damage of the goods, is transferred in any case with the commissioning and/or use of the water treatment plant either by the contract partner, a third party commissioned by the contract partner or by BWT. If the shipment, the delivery or the start or the execution of the installation or assembly is delayed at the request of the contract partner or for reasons for which he is responsible, the risk is transferred to the contract partner. Corresponding insurance coverage in such cases will only be provided upon written request and at the expense of the contracting party.

8. Shipping

8.1. If the delivery is not EXW, the transport route and mode of transportation shall be determined by the supplier.

9. Delay of acceptance

9.1 If the item provided is not accepted as agreed, the supplier may demand compensation instead of performance after setting a reasonable grace period.

9.2 In the event of return or non-acceptance by the Purchaser, we shall charge entrepreneurs a lump sum of 15 % of the order value for administrative activities and loss of profit in addition to the costs incurred to be precisely recorded by the Supplier.

9.3 If the customer exchanges serial items or other goods within our program, we shall charge 5 % in addition to the purchase price for the supplier's services if the order value is the same. Returns are only possible if the goods are in a resalable condition.

9.4 In the case of an exchange of other goods (in particular custom-made products), the customer shall bear the full amount of any damage incurred during reuse, taking into account the lump sum.

9.5 Consumers are entitled to prove that no damage has occurred or that the damage is less than the estimated flat rate.

10. Warranty and liability for defects

10.1 The agreed deliveries and services are rendered according to the specifications of BWT on which the order confirmation is based.

10.2 Minor deviations from a sample and/or brochure on which the offer or the order confirmation is based (e.g. in terms of dimensions, weight, quality and color), which do not affect the intended use, are irrelevant defects and are considered approved in advance.

10.3 The statutory warranty provisions and warranty periods of the country in which the consumer has his habitual residence shall apply to consumers.

10.4 In all other respects, the following provisions shall apply: The supplier shall provide a warranty for defects in such a way that he shall, at his discretion, either repair, replace or provide again free of charge all those parts or services which become unusable or whose usability has been significantly impaired within the statutory or agreed warranty period as a result of a circumstance occurring before the transfer of risk or for which the supplier is responsible.

10.5 Damage that significantly restricts the functionality of the goods or impairs the safety of the goods shall be deemed to be significantly impaired.

10.6 Claims for defects require the fulfillment of the statutory inspection and complaint obligations. The discovery of such defects must be reported to the supplier immediately in writing or in text form. The supplier must be given the opportunity to inspect the rejected parts. The obligation to give notice of defects does not apply to consumers. The Purchaser must grant the Supplier reasonable time and opportunity for subsequent performance. If the Supplier allows a reasonable grace period set for it to expire without remedying the defect, or if it unjustifiably refuses subsequent performance, the Purchaser shall be entitled, at its discretion, to withdraw from the contract or to reduce the agreed remuneration. Excluded from the warranty and liability are damages due to natural wear and tear as well as damages that occur after the transfer of risk as a result of incorrect or negligent handling, excessive use and unsuitable operating materials.

10.7 Damage caused by modification or repair work carried out by the customer or an unauthorized third party is excluded from the warranty. The limitation period for claims for defects against entrepreneurs is 12 months from delivery. This shortening of the limitation period shall not apply to damages resulting from injury to life, body or health which are based on a negligent breach of duty by the supplier or on an intentional or negligent breach of duty by a legal representative or vicarious agent of the supplier. It also does not apply to damage caused by a grossly negligent breach of duty by the Supplier or a grossly negligent breach of duty by a legal representative or vicarious agent of the Supplier.

10.8 Further claims of the Purchaser against the Supplier and its vicarious agents, in particular compensation for damage that has not occurred to the delivery item itself, are excluded. The above limitation of liability shall not apply in cases of intent, gross negligence or the absence of guaranteed characteristics or in the event of injury to life, limb or health. If the supplier negligently breaches a material contractual obligation, its obligation to pay compensation for property damage or personal injury shall be limited to the amount covered by the supplier's liability insurance.

10.9 The limitations and exclusions of claims and liability in Clauses 10 and 11 shall not apply to claims of the Purchaser for reimbursement of installation and removal costs and the Purchaser's rights of recourse as seller.

11. Liability

11.1 Insofar as this does not violate mandatory law and unless otherwise stipulated in these GTCs, the Supplier shall only be liable for compensation for damages caused by gross negligence or willful misconduct. In the event of gross negligence, liability shall be limited to the value of the contract, up to a maximum of the amount covered by the Supplier's business liability insurance.

11.2 The Supplier shall not be liable for indirect or consequential damages, including incidental and consequential damages, loss of profit, loss of interest, failure to make savings, consequential and financial losses and damages arising from third-party claims, or for damages caused by unsuitable or improper use, natural wear and tear, faulty or negligent handling or storage, regardless of whether or not the Supplier has indicated the possibility of such damage.

11.3 Any further liability for damages other than that provided for in the last paragraph of clause 10 shall be excluded, irrespective of the legal nature of the claim asserted.

11.4 The above provision does not apply to claims under the Product Liability Act.

11.5 The exclusions of liability in clauses 8 and 9 of these terms and conditions shall also apply accordingly to claims arising from advice, information, statements in printed matter or breach of contractual ancillary obligations prior to or after conclusion of the contract.

11.6 Insofar as the Supplier's liability is excluded or limited, this shall also apply to the personal liability of the Supplier's employees, workers, staff, representatives and vicarious agents.

11.7 The limitations of liability set out in these terms and conditions shall not apply to damages resulting from injury to life, body or health which are based on a negligent breach of duty by the supplier or on an intentional or negligent breach of duty by a legal representative or vicarious agent of the supplier. It also does not apply to damage caused by a grossly negligent breach of duty by the supplier or a grossly negligent breach of duty by a legal representative or vicarious agent of the supplier.

11.8 In the case of consumer transactions, the applicable statutory provisions shall apply.

12. Prices and payment

12.1 Unless otherwise stated, all prices in dealings with entrepreneurs are exclusive of the statutory value added tax applicable on the day of invoicing.

12.2 The prices are „ex works" (as defined by INCOTERMS 2020) excluding costs for transportation, assembly or installation, unless otherwise agreed. Prices are subject to change and are quoted in EURO unless otherwise agreed.

12.3 Payments shall be made free Supplier's paying agent within 10 (ten) days of the invoice date less 2 % discount or within 30 (thirty) days net, unless otherwise agreed.

12.4 Bills of exchange or checks shall only be accepted on account of payment; the costs of discounting and collection shall be borne by the Buyer.

12.5 The customer may only offset claims that are undisputed or have been legally established. In addition, he is only authorized to exercise a right of retention to the extent that his counterclaim is based on the same contractual relationship. The prohibition of set-off and the exclusion of the right of retention shall not apply to consumer transactions.

12.6 Sales representatives or customer service employees are not authorized to collect unless they are expressly authorized in writing.

12.7 In the event of default of payment by the Customer, the Supplier shall be entitled, at its discretion, to demand compensation for the actual damage or default interest at the statutory rate. In the case of entrepreneurs, this is 9 percentage points above the base interest rate announced by the Deutsche Bundesbank. The Supplier shall also be entitled to demand compound interest in the event of default of payment by the Purchaser from the date of delivery of the goods. In the event of default in payment, the Purchaser undertakes to reimburse the Supplier for any reminder and collection charges incurred, including all legal fees and costs. For business transactions, this includes a lump sum of EUR 40 as compensation for collection costs. The assertion of further rights and claims shall remain unaffected. If the Customer is in default with a (partial) payment, the Supplier shall be entitled to demand immediate payment of outstanding but not yet due invoice amounts and/or to demand advance payment or the provision of security for future deliveries and services.

13. Retention of title / Installation

13.1 The Supplier shall retain title to the delivery item vis-à-vis entrepreneurs until receipt of all payments from the delivery contract and the entire business relationship, including interest and costs of any legal action. In relation to consumers, title to the delivery item is reserved until receipt of all payments under the delivery contract.

13.2 The Buyer shall carefully store the delivered goods for the Supplier until the transfer of ownership to the Buyer. The Purchaser shall bear the entire risk for the goods subject to retention of title, in particular the risk of destruction, loss or deterioration.

13.3 The Supplier and the Purchaser agree that the installation of series-produced equipment is not permanent and that the equipment and its accessories do not become an integral part of a building.

13.4 The Purchaser is authorized to sell the delivered goods in the ordinary course of business. In the event of resale, the Purchaser's claim shall be assigned upon conclusion of the resale contract in the amount of the Supplier's outstanding claims, even if the Purchaser has transformed, processed or installed the delivered goods. In the case of processing of the delivered goods, this shall apply in accordance with the proportion of the value that the Supplier's goods represent in the end product. The customer may neither pledge the delivered goods nor assign them as security and must store and insure them properly. In the event of seizure, confiscation or other dispositions by third parties, the Purchaser shall notify the Supplier immediately.

At the request of the purchaser, the supplier shall release securities to the extent that their value exceeds the value of the secured claims by more than 20 %.

14. Impossibility, contract adjustment

14.1 If the performance incumbent on the Supplier becomes impossible due to his own fault, the Purchaser shall be entitled to claim damages or reimbursement of expenses up to a maximum of 10 % of the value of that part of the delivery or service which cannot be put to the intended use due to the impossibility. This limitation of liability shall not apply in cases of intent or gross negligence. The right of the customer to withdraw from the contract remains unaffected.

15. Jurisdiction and applicable law

15.1 If the Purchaser is a merchant, a legal entity under public law or a special fund under public law, the sole place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship shall be the court responsible for the Supplier's registered office. The supplier shall also be entitled to bring an action at the customer's headquarters. This shall not apply to consumers, for whom the court responsible for the consumer's place of residence or habitual abode shall be decisive in accordance with the applicable statutory provisions. Consumers with their habitual residence in the EU enjoy additional protection in this respect in accordance with the mandatory provisions of the law of their country of residence.

15.2 The contractual relationship between entrepreneurs shall be governed by German law to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG) and the conflict of laws. The exclusion of the conflict of laws does not apply to the contractual relationship between entrepreneurs and consumers.

16. Data protection

16.1 The Supplier is obliged to comply with the provisions of the German Data Protection Act (DSG), the General Data Protection Regulation (GDPR) and any other statutory confidentiality obligations.

16.2 As an entrepreneur, the Customer is obliged to impose the above obligations on its employees and all other persons whom it is entitled to involve on the basis of the contractual agreement.

16.3 The Supplier shall process the personal data required for the purpose of fulfilling the contract. The detailed data protection information in accordance with Art. 13 ff GDPR can be found on our homepage at: https://www.bwt.com/de-de/datenschutz/.

17. Exports

17.1 These terms and conditions shall only apply unless special export business conditions have been agreed. The German version of the agreement shall prevail.

17.2 The statutory provisions shall apply to consumer contracts concluded by distance selling.

18. Miscellaneous

18.1 Written form

All agreements, subsequent amendments, supplements, collateral agreements, etc. must be made in writing to be valid.

18.2 Offsetting, retention and retention of liability

The contract partner is not entitled to offset against the claims of BWT with counterclaims of any kind, as well as the exercise of a right of retention without a legally binding title or due to claims from other legal transactions. The withholding of a retention by the contractual partner is not permitted.

18.3 Transfer of rights and obligations

The Customer is not entitled to transfer, assign or otherwise transfer rights and obligations arising from the contractual relationship to third parties without the prior written consent of the Supplier.

18.4 Force majeure

Force majeure events (such as strikes, lockouts, natural disasters or extraordinary natural events, pandemics, epidemics, war, riots, fire, floods, earthquakes, energy shortages or government or official acts that prohibit the Supplier from fulfilling its obligations), labor disputes, operational disruptions through no fault of its own, problems or delays in the procurement of raw materials, labor, fuel, energy, spare parts or machinery; disruptions in the performance of suppliers or sub-suppliers, civil unrest, quarantine restrictions and other events that cannot reasonably be avoided shall release the Supplier from its contractual obligations for the duration of the events. In addition, the supplier is entitled - without prejudice to other rights - to withdraw from the contract in whole or in part if such an event lasts for more than two months.

In the case of consumer transactions, the applicable statutory provisions shall apply.

18.5 Severability clause

Should provisions of these General Terms and Conditions be legally ineffective, invalid and/or void or become so in the course of their duration, this shall not affect the legal effectiveness and validity of the remaining provisions. In this case, the legally ineffective, invalid and/or void provision (which has become legally ineffective, invalid and/or void) shall be replaced by a provision which is legally effective and valid and which corresponds in its economic effect to the replaced provision - as far as possible and legally permissible.

18.6 If a party is in default with the exercise of a right or parts thereof under this contract or fails to exercise such a right, this shall not result in a waiver of this or any other right under this contract.

18.7 These GTC and the related contract between the Supplier and the Customer constitute the entire agreement between the parties. There are no other oral or written understandings, agreements or representations that are not set out in these GTCs or the related contract.

In the case of consumer transactions, the applicable statutory provisions shall apply.

19. Right of withdrawal

19.1 The following provisions apply exclusively to consumers and only to contracts concluded outside the Supplier's business premises or by telephone.

19.2 The consumer has the right to withdraw from the contract within fourteen days without giving any reason. The withdrawal period begins on the day on which the consumer or a third party designated by the consumer, who is not the carrier, has taken possession of the goods; in the case of a service contract, the period begins on the day the contract is concluded. In order to exercise the right of withdrawal, the consumer must inform us of their decision to withdraw from this contract by means of a clear statement (e.g. a letter sent by post or email). The consumer can use the sample withdrawal form provided on the BWT website, but this is not mandatory. In order to comply with the withdrawal period, it is sufficient for the consumer to send the notification of the exercise of the right of withdrawal before the expiry of the withdrawal period. There is no right of withdrawal for:

- Goods that are delivered sealed and are not suitable for return for reasons of health protection or hygiene, provided that the seal has been removed after delivery.

- Goods that have been inseparably mixed with other goods after delivery due to their nature.

- Goods that are manufactured according to customer specifications or are clearly tailored to personal requirements.

19.3. The declaration of withdrawal is to be sent to the following address:
BWT Wassertechnik GmbH, Industriestraße 7, 69198 Schriesheim, Germany
E-Mail: bwt@bwt.de, T.: +49 (0) 602373-0, Company register number: HRB 430676
Commercial register court: Local court Mannheim

19.4 Consequences of withdrawal:

If the consumer withdraws from this contract, the supplier shall reimburse all payments received from the consumer, including delivery costs (with the exception of additional costs resulting from the consumer choosing a type of delivery other than the cheapest standard delivery offered by the supplier), immediately and at the latest within fourteen days from the day on which the supplier receives notification of the withdrawal from this contract. For this repayment, the supplier shall use the same means of payment that the consumer used for the original transaction, unless expressly agreed otherwise with the consumer; in no case shall the consumer be charged any fees for this repayment. The supplier may refuse repayment until he has received the goods back or until the consumer has provided proof that he/she has returned the goods, whichever is the earlier.

The consumer must return or hand over the goods to the supplier immediately and in any case within fourteen days at the latest from the day on which the consumer informs the supplier of the revocation of this contract. The deadline is met if the consumer sends the goods before the expiry of the fourteen-day period. The supplier shall bear the costs of returning the goods.

The consumer shall only be liable for any diminished value of the goods resulting from the handling other than what is necessary to establish the nature, characteristics and functioning of the goods.

19.5 If the statutory provisions of the country in which the consumer has his habitual residence are stricter than those in point 19 of this agreement, these shall apply to the consumer.

20. Special conditions for the provision of customer service, installation and maintenance

20.1 General

The provisions of the above General Terms and Conditions of Delivery and Payment shall apply accordingly, unless otherwise specified below.

20.2 Cost estimates

Cost estimates are only binding if they are submitted in writing and designated as binding.

Cost estimates are subject to a charge, unless expressly agreed otherwise. The Supplier does not guarantee the accuracy of cost estimates that were prepared to the best of its knowledge and belief on the basis of the information made available to the Supplier at the time of the cost estimate.

20.3 Invoice and payment

Work performed, parts used, materials and refill agents shall be invoiced separately, unless a lump sum price was agreed in writing when the order was placed. Where applicable, our respective customer service and spare parts price list shall apply.

Payments shall be made net cash directly to us or to our authorized representative immediately after the work has been carried out and the invoice has been issued, provided that the latter can provide evidence of written authority to collect.

20.4 Acceptance

Acceptance and recognition of our performance shall be effected by signature on the customer service order or corresponding form.

If no such acceptance takes place, the service shall be deemed to have been accepted 12 (twelve) working days after written notification of completion of the service or from commissioning of the system, whichever occurs first.

20.5 Replaced components

Replaced parts shall become our property unless otherwise agreed when the order was placed.

BWT Wassertechnik GmbH, Schriesheim

BWT - 6-090012 -CT-01/2026

BWT

CHANGE THE WORLD

sip by sip

BWT's goal is to provide people worldwide access to safe and healthy drinking water. This mission drives us to develop worldwide leading technologies which make out of any locally available water healthy, tasty mineralized drinking water enriched with valuable minerals like magnesium, zinc, and silicate. By choosing BWT, unnecessary transport of bottled water is reduced – helping to protect the environment. And every sip supports our projects that ensure access to clean and safe drinking water for communities in Africa. A simple action with global impact.

Change the World – sip by sip.

BWT Group
International Sales
international.sales@bwt.com
www.bwt.com

BWT Best Water App

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