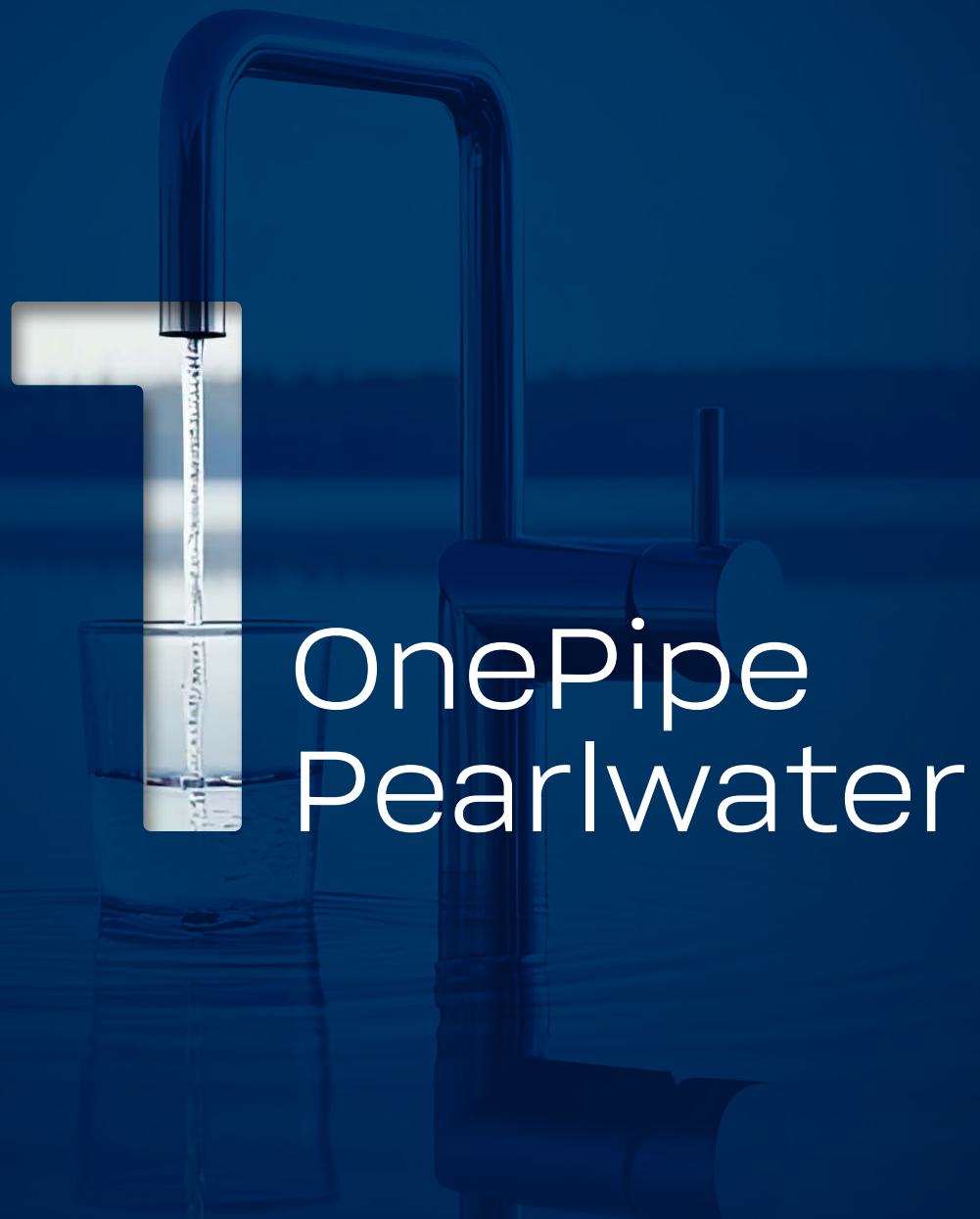


BWT Pearlwater

**The world's
softest & tastiest
mineralized water**



OnePipe Pearlwater

The gamechanger in
the sanitary water industry.

For You and Planet Blue.





Pearlwater was just the beginning:

Become a pioneer of a new technology.

Many years ago, BWT's silky-soft Pearlwater revolutionized the market. Since then, millions of private homeowners and building operators around the world have benefited from its numerous advantages – whether in family houses or apartment buildings – by protecting their systems, saving energy, and enhancing the well-being of residents. Now, it is time to take the next step. Into the 21st century. Into an era where the treatment of local water has become one of the key challenges that directly impact people's quality of life, the success of businesses, and the safety of healthcare facilities.

The history of Pearlwater. Now, it begins a new.

Become a pioneer and trailblazer of a patented technology that completely changes the rules of drinking water treatment. Benefit from a ground-breaking innovation that mineralizes soft water from a single pipeline at the push of a button – in just one line. In short:

Welcome to

**OnePipe
Pearlwater**



softest Pearlwater

Are you ready for a quantum leap?

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 **OnePipe Pearlwater** resolves this apparent contradiction, offering a comprehensive solution that addresses the most critical challenges of water quality in buildings – such as increased energy consumption, hygiene issues, and ensuring optimal water quality. Moreover, the system is precisely designed, easy to install, and can be quickly and efficiently implemented in any building.

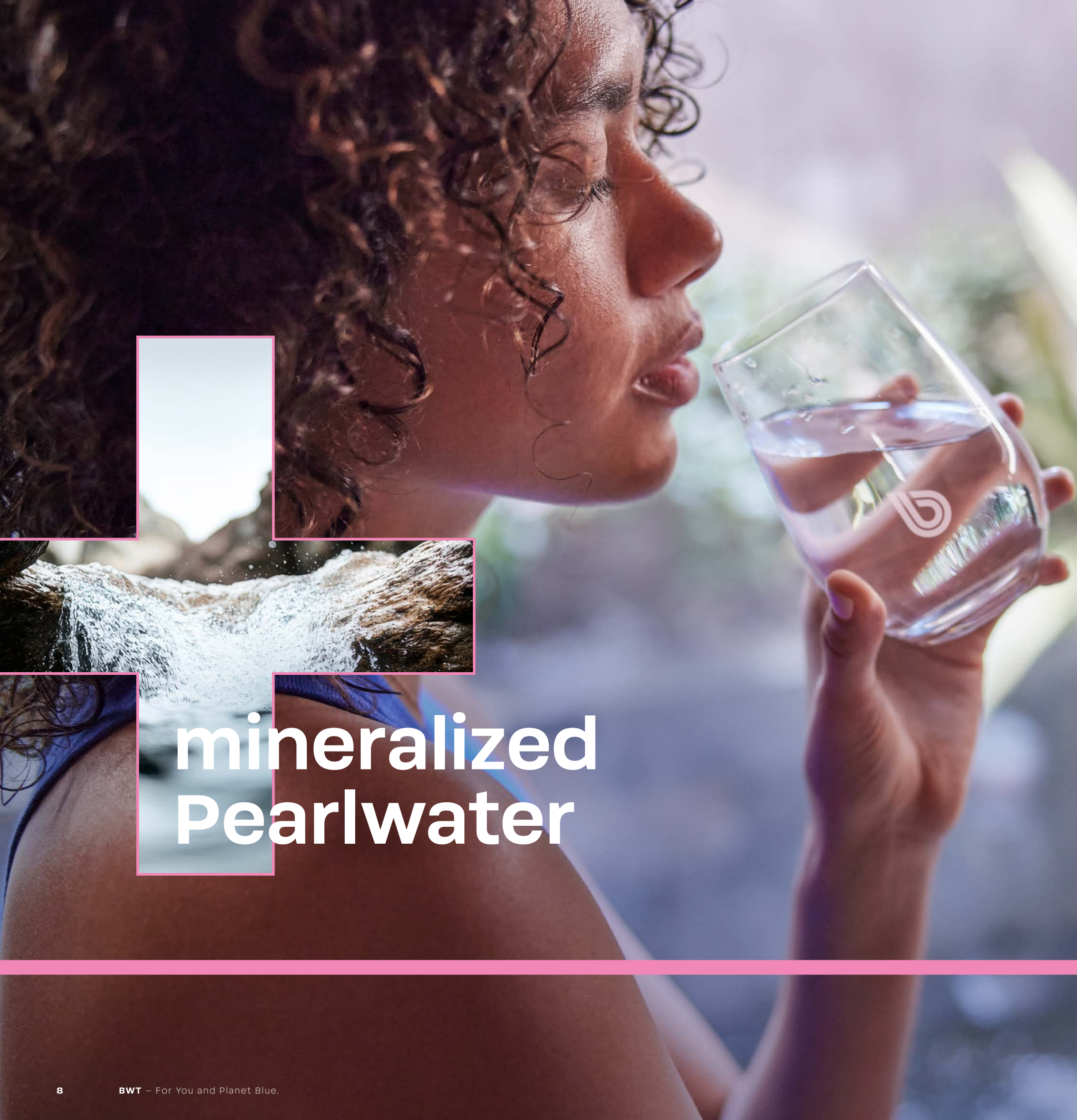
The OnePipe Pearlwater formula:
Silky-soft and mineralized Pearlwater from a single pipe

In just two steps, BWT delivers the best water for every application in family houses, apartment buildings, hotels, offices, and public institutions.



First softening ...

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



mineralized
Pearlwater

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 apartment of a multifamily building or in a family-house. At the push of a button, it mineralizes the previously softened water with magnesium, silicate as well as bicarbonates and calcium and turns it into valuable drinking water that also tastes exceptionally good.

As a forward-thinker, one thing is absolutly clear to you:

Problems are not solved by ignoring them.

§

The fact is: developers, planners, installers, and operators of facilities such as hotels, care- and healthcare facilities, or apartment complexes must ensure that the drinking water they manage is safe and suitable for consumption. This is regulated by numerous laws, regulations, standards, and guidelines, which vary from country to country. Violations of these regulations can lead to legal consequences. Keeping track of these requirements is theoretically possible, but in practice, it is highly time-consuming.

To achieve even 0 °dH, strict compliance with EN 12502 and other relevant legal guidelines is required, particularly regarding corrosion protection and drinking water hygiene. This is especially crucial for public institutions such as hotels, apartment buildings, and healthcare institutions, as maintaining a minimum hardness level is necessary for system integrity and regulatory compliance.

Welcome to the BWT network of hygiene experts

This is where **OnePipe Pearlwater** and the **BWT hygiene experts** meet. The OnePipe Pearlwater formula ensures that water from a single pipe is maximally softened throughout the entire building and mineralized and filtered for cold drinking water in the kitchen. BWT hygiene experts provide comprehensive and customized drinking water protection solutions. Because there are enough risks:

Limescale and corrosion



Risk to drinking water hygiene

Installations must be kept clean because biofilms and deposits can permanently spoil our most essential food resource: drinking water.

Forward-thinking planning, supervision by specialized companies, and commissioning of systems by certified experts should always be handled by professionals. Above all, renovation and proper operation must be professionally managed.

Warning: danger of germs!



Deposits in pipes enhance bacterial growth.

Limescale deposits in hot water systems are highly fractured. Their large surface areas and the warm, humid environment provide an ideal breeding ground for bacteria such as Legionella. Rough surfaces create a favorable habitat for all microorganisms.

Conclusion: Sustainable limescale protection is essential for maintaining the hygiene of drinking water systems.

Blended water

Blending leaves a small amount of minerals in the drinking water – too little for high-quality drinking water, yet too much to fully protect household installations, washing machines, dishwashers, and more.

Not enough minerals for high-quality drinking water:



Approx. 2 % drinking water
(3 l/day)* with only about 11 % calcium



Too many minerals for complete protection:



Approx. 98 % utility water
(127 l/day)*

This means that for just 2 % drinking water, 98 % of the utility water is blended with hard water. This is neither particularly economical nor environmentally friendly.

* Based on a per-person water consumption of 130 l/day

To the best solution

Are you seeking the same as we do?

Always the best solution.

BWT OnePipe Pearlwater, offers an uncompromising solution based on over 30 years of expertise from our research and development team. We are committed to staying one step ahead, continuously refining proven solutions to achieve the highest level of excellence. BWT has successfully realized this vision with the OnePipe Pearlwater innovation.



Energy savings,
fewer failures, and
reduced repairs

Value preservation for
valuable investments
in installations



mineralized Pearlwater

- + Magnesium
- + Silicate
- + Calcium

Tasty water to drink –
environmentally friendly
and valuable.



OnePipe Pearlwater

* Achieving 0° dH requires strict compliance with EN 12502 standards and legal regulations, particularly regarding corrosion protection and water hygiene. In many countries, minimum hardness levels are mandatory. A sodium content above 25 °dH requires special attention to ensure compliance with legal requirements.



The Rndomat duoMAXX system

For apartment buildings, it seamlessly integrates two key components:

1 A centrally installed softener

2 An individual kitchen solution for each apartment in the building

1

BWT Rndomat duoMAXX System: **Rndomat Duo Softener**

The world's first water softener with standard full thermal insulation, specifically designed to minimize hygiene risks in large buildings while ensuring optimal efficiency, reliability, and long-term infrastructure protection.



Remote control

Maximum comfort with fresh, mineralized Pearlwater at the push of a button.



2

BWT Rondomat duoMAXX System:

Pearlwater Mineralizer Kitchen set

The individual kitchen solution for each apartment enriches the softened drinking water with valuable minerals.



Click here for the product video



1 BWT Mineralizer cartridge filters up to 3,000 liters of water.

Maximum performance

The easy-to-replace Pearlwater Mineralizer cartridges remove taste- and odor-improving substances such as chlorine and mineralize the drinking water for the best taste.

Intelligent Control

The MIXXO Pro is part of the complete set and is installed under the sink. WiFi and Bluetooth ensure reliable performance, while a single button press allows switching from silky-soft water to mineralized water.



You know the hard facts:

Soft water is good. Silky-soft BWT Pearlwater is the best.

As an innovator and expert in your field, you are well aware that a simple formula has applied to water until now: the softer, the better – for household appliances, heating systems, skin, hair, laundry, dishes, and much more. What you couldn't have known until now: With the OnePipe Pearlwater, this equation loses its meaning. Simply because from now on, the ultimate softest water – up to 0° dH – flows straight from the tap. Along with all the benefits it brings for hygiene, your budget, the environment, and overall comfort. Here are some of the most important advantages:

Reduces energy consumption in a wide range of devices

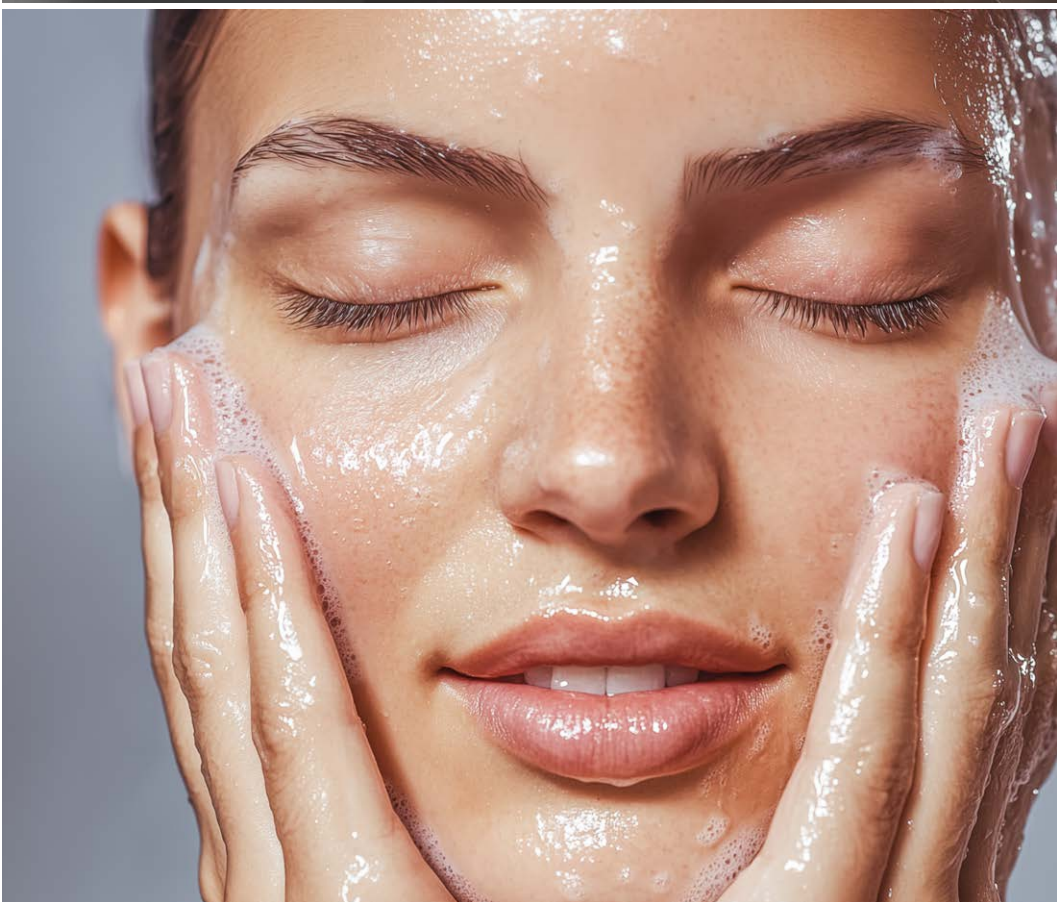
Reduces the need for detergents, cleaning agents, and cosmetics

Minimizes limescale in household appliances and on bathroom surfaces

Optimizes heating efficiency and helps prevent water damage

Enhances the softness of textiles, like towels and clothing etc, while preserving fabric quality and durability.

Contributes to softer skin and smoother hair





BWT PerlaMAXX softener system:

Hard facts about soft water

More cleanliness with less effort

PerlaMAXX softener produce the softest Pearlwater, free of limescale, offering numerous benefits. For example spotless dishes and crystalclear glasses straight from the dishwasher, as well as you need less from the cleaning products in the bathroom and kitchen.



Longer lifetime for equipments and household appliances

PerlaMAXX softening systems in OnePipe Pearlwater prevent up to 60 kg or more of limescale from flowing through the pipes of a family house each year. This could extend the lifetime of household appliances while reducing the risk of clogged home installations due to a "limescale infarction" to zero.

More efficient heating and washing

The softest pearlwater ensures that heating systems consistently operate at maximum efficiency while protecting the entire heating system, including the hot water boiler, from limescale-related failures. At the same time, the softest Pearlwater reduces the energy consumption of washing machines and dishwashers by up to 20 %, as it prevents the formation of limescale on heating elements.





We don't say too much for you:

The secret of perfect taste

Delicious and healthy tap water is no longer a given. But in the future, it will be again. But only if you, as a pioneer of the BWT Pearlwater drinking water revolution, recommend the Pearlwater Mineralizer Kitchen Set to your customers. Easily and quickly installed under the sink, MIXXO Pro lets you switch between silky-soft pearlwater and mineralized pearlwater – straight from your beloved faucet. At the push of a button, it delivers an unparalleled, healthy, and perfect taste drinking water experience. Not to mention the additional advantages that will position you as a visionary and leader in the transformation of drinking water solutions.



Delivers the tastiest pearlwater mineralized with magnesium, calcium and silicate

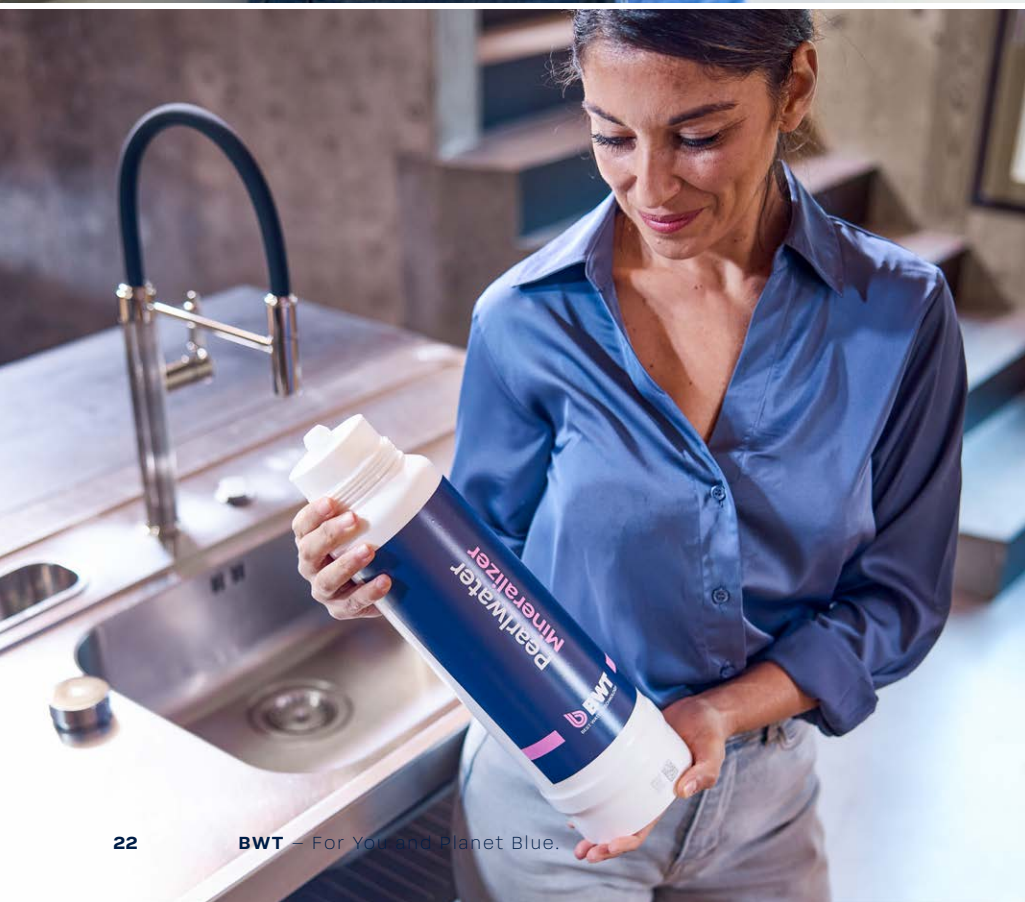
Guarantees perfect taste – for cold drinks

Reduces waste and saves space by eliminating the need for (plastic) bottles

Conveniently available directly from the tap

Saves money through single-pipe installation and eliminates storage costs

Refreshing water wherever you need it – not only in your home, but also in hotel lobbies, rooms, wellness areas, spas, gyms, restaurants, bars, and more.





The heart of the Pearlwater Mineralizer kitchen set.

MIXXO Pro: Mineralization at the push of a button

Easily straight of the existing kitchen tap

Thanks to the MIXXO Pro unit in the set, you can switch from silky-soft Pearlwater to mineralized Pearlwater – and back again – with just the press of a button. **Works with any tap!**



Up to 3,000 liters

The set includes the Pearlwater Mineralizer cartridge. It enriches the water with valuable minerals like **magnesium, calcium, silicate and bicarbonate**, ensuring the best taste while supporting physical and mental vitality as well as natural beauty.

Smart control

The MIXXO Pro is fully connected, measuring water flow with its integrated sensor. The BWT app monitors consumption and the capacity of the mineralizer cartridge.



If you want to win the game, change the rules.

**With OnePipe Pearlwater
to the world's softest**

&

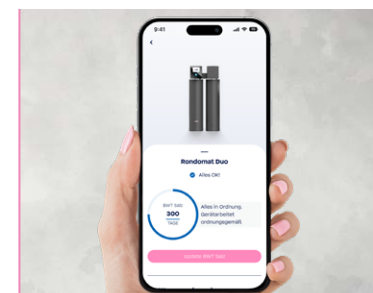
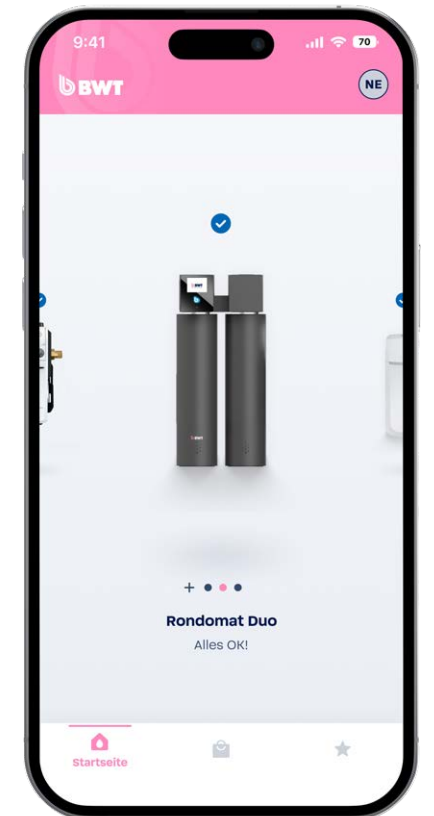
**tastiest
mineralized water.**



So that you have the future
in your hands:

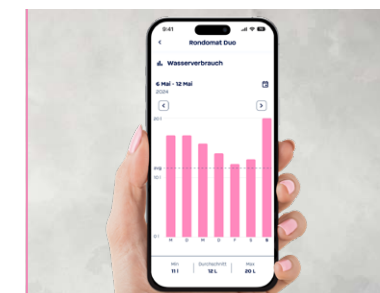
One Pipe in one app.

OnePipe Pearlwater not only guarantees the **best water quality from a single pipe line**, along with first-class service and expert consultation, but also offers modern digital management through the intelligent BWT Best Water app. Specifically, it provides a range of practical features that centralize application, documentation, monitoring, and expertise in the hands of the user. The app transforms any smartphone into a personal water assistant, available anytime and anywhere, taking care of numerous essential tasks.



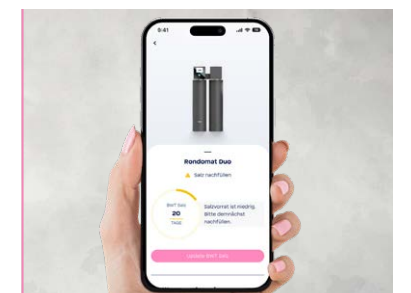
Reminder service

The app communicates the softener's salt inventory status.



Status display

Shows water consumption, device settings, and current system status.



Real-time alert function

Sends notifications about device conditions and upcoming maintenance requirements.

Easy and fast order

From system consumables through the BWT Shop.

Automatic device documentation

In digital form.

Additional features:

Information on „My Water“ and service partners. Direct configuration of settings.



For whom is OnePipe Pearlwater the obvious solution for?

For everyone who thinks ahead.

The future is yours to create. In sanitary water treatment, the path to tomorrow now leads through **OnePipe Pearlwater – the new formula for the softest pearlwater and the best taste from a single pipe line, designed for modern, energy-efficient, and sustainable buildings.** The combination of maximum softening up to 0° dH and subsequent remineralization at the push of a button provides innovative professionals in the industry with strong arguments and drives economic growth. Become an early adopter and pioneer of an easy-to-install technology that represents a quantum leap into the future.



Planners and architects

Let specialists from the BWT team support you in the optimal and standards-compliant system design for new constructions or renovations.



Facility management companies

OnePipe Pearlwater is not only low-maintenance and reliable but also allows you to quickly and easily monitor the system at any time without being on-site.



Investors and real estate developers

Water treatment is becoming increasingly important in project development and investments. Consult the OnePipe Pearlwater experts at BWT.



Installers and system engineers

Convince your customers of a solution that is easy and cost-effective to install.



Kitchen studios

OnePipe Pearlwater provides you with additional sales arguments and positions you as an innovative retailer.



Apartment building operators

Rely on the know-how of BWT hygiene experts for planning, commissioning, and maintenance. This provides you, as a building operator, with legal security, as you are ultimately responsible for ensuring drinking water safety in your large buildings.

What else can you expect?

Top-quality support

Innovations succeed in the market when they provide clear benefits and can be seamlessly implemented in practice. This is of course also true for OnePipe Pearlwater. That's why we offer you the same support for this intelligent system solution as we do for all other BWT solutions in sanitary water treatment: maximum support from a top-performing team that accompanies you through every phase of the implementation of our innovative **OnePipe Pearlwater for the softest Pearlwater with the best taste**. From planning to system integration.

Design and planning support:

Professional guidance for planning, consulting, and technical support to ensure compliance with the highest standards.

Assistance with installation, commissioning, maintenance, documentation, and risk management.

Certified procedures for sampling, analysis, diagnostics, and recommendations.

Technical data:

Provision of all essential installation details and recommended procedures to ensure optimal system performance.

BIM and CAD resources:

Access to BIM models and technical drawings of BWT products, supporting planners and engineers in the design process.

System Integration:

Comprehensive answers to all questions regarding the integration of OnePipe Pearlwater into standard plumbing and HVAC systems for urban complexes.



even more
information





Softest Pearlwater

Cellar

The water softener is most effectively installed immediately after the main water meter, where water enters the building.

Best Mineralized Pearlwater

Apartments

In every kitchen, the BWT Pearlwater Mineralizer Kitchen Set with MIXXO Pro provides mineralized water at the push of a button.

Best Mineralized Pearlwater

Offices

You can also install the Pearlwater Mineralizer Set in the office.

OnePipe Pearlwater:

The comprehensive solution for modern buildings

As a **planner, architect, or operator of modern large buildings**, the OnePipe Pearlwater from BWT offers you a unique opportunity to take your project to the next level in terms of water treatment and sanitary technology, providing your customers with the best water quality available on the market.

Key Benefits for apartment buildings, offices, and hotels

Maximized lifetime and minimized maintenance

Limescale-free water could extend the lifetime of pipelines, household appliances, and significantly reduces long-term maintenance efforts.*

Legal and regulatory compliance

Effective drinking water treatment ensures compliance with legal and regulatory water quality standards.

Lower energy costs

Reducing limescale deposit enhances energy efficiency in heating and hot water systems, supporting environment-friendly solutions.

Superb comfort

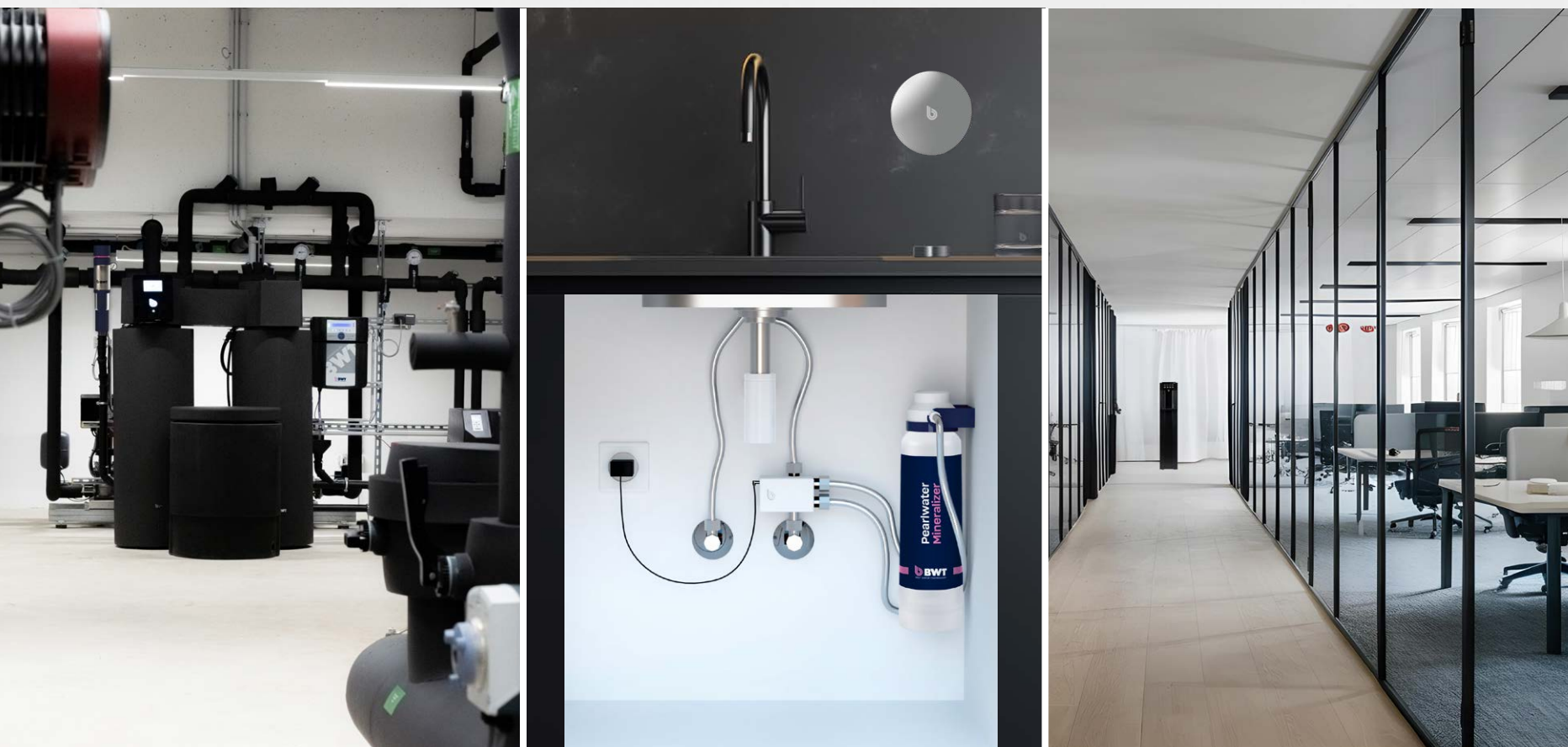
Remineralized water enriched with valuable minerals improves taste and quality, providing users with a premium drinking water experience.

Excellent hygiene

Eliminating limescale deposits minimizes the risk of biofilm and Legionella contamination in water systems.

Sustainability

Reduces the consumption of plastic bottles and provides tasty water without additional logistics or storage issues.



*Compared to hardwater usage

Rondomat duoMAXX

pearlwater generator 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.

BWT Rondomat Duo

2. Generation

The Rondomat Duo is the **first thermally insulated duplex water softener** in series production. It is using ion exchange in an alternating mode, minimizing stagnation and ensuring a continuous soft water supply in 24/7, 365 days a year. Volumetric regeneration activates only when capacity is depleted, optimizing salt and water use. An infrared sensor alerts at 20% salt reserve. Despite its compact size, it delivers high flow rates, efficiently utilizing resin, reducing brine dissolution time, and minimizing regeneration intervals. With advanced electronic control and remote monitoring capabilities, it allows building management to oversee and optimize operations effortlessly, ensuring maximum efficiency and reliability. The Rondomat Duo is the **ideal choice for multi-family buildings and hotels**, where hygiene, water quality, and operational control are key priorities.



Special highlights

First softener with complete thermal insulation

of the control valve and resin tank. Prevention of condensation and excessive heating of drinking water. For optimal hygiene.

360 degree operating concept

Auto-check function and automatic online software updates bring optimized operational reliability with scheduled maintenance intervals.

BWT control panel platform for optimal usability

Available exclusively with all BWT water softeners from Germany. 1000x proven in BWT Perla models.

BWT Best Water app

Information, security, comfort, and a range of benefits. Your personal water assistant for numerous BWT products.

Ensuring perfect water hygiene

Thanks to hygiene operating process with ioClean CT, thermal insulation.

Perfect ergonomics

Hinge for clear display readability, with the option to adjust the tilt angle.

Safety from water damage

Immediate notification through the AQA Safe/Watch/Guard features.

5" glass touch display

Sophisticated and with intuitive operation menu structur

Plug & Play – easy to get started

Assistance systems make starting up the system a child's play.



Technical specifications

RONDOMAT DUO	UNIT	RONDOMAT DUO				
		2.2	3.2	5.2	6.2	10.2
NOMINAL CONNECTION DIAMETER	DN	32 (1 1/4" AG)	32 (1 1/4" AG)	50 (2" AG)	50 (1 1/4" AG)	50 (2" AG)
CONTINUOUS FLOW RATE WITH SOFTENING FROM 20°DH TO 0°DH	m³/h	2	3	5	6	10
NOMINAL CAPACITIES ACCORDING TO DIN EN 14743	m³ x °dH	2 x 45	2 x 93	2 x 178	2 x 250	2 x 416
OPERATING RESOURCE REQUIREMENT, SALT PER °DH/M³	g	45	38	35	32	32
OPERATING RESOURCE REQUIREMENT, WATER PER °DH/M³	litres	1.2	1.2	1.2	1.1	1.1
RINSE WATER CONSUMPTION PER 100% REGENERATION AT 4 BAR, CA.	litres	113	355	300	300	450
REGENERANT SUPPLY	kg	100	100	200	200	375



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The Rondomat duoMAXX system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

PerlaMAXX Pro XL

pearlwater generator for multifamily buildings

The **PerlaMAXX Pro XL system** integrates two key components:

- » **Perla Pro XL** bi-bloc softener with high-tech resins for the whole building and
- » **Pearlwater Mineralizer Kitchen Set** for each apartment.

BWT Perla Pro XL

The BWT Perla PRO XL is an advanced water softener specifically designed for multifamily buildings and commercial applications (like hotels and offices). It removes limescale through ion exchange using high-tech resins. Its innovative reverse flow technology, combined with an optimized blocked resin bed design, ensures water flows through the resin bed from bottom to top, maximizing resin utilization and delivering highly efficient ion exchange.

A built-in sensor monitors water quality during the regeneration process, enabling precise control and achieving significant reductions in water and salt consumption. This system is the ideal choice for multi-family buildings, service units, the hospitality industry, where high water quality and operational efficiency are essential.



Special highlights

Ready-to-connect philosophy

1 items number includes all connection accessories (hoses and simply connect valve)

Salt saving

Blocked resin bed and quick-dissolution brine tank reduce salt consumption by up to 40 %.

Ensuring perfect water hygiene

chlorination probe disinfects resin bed at each regeneration cycle

Protective jacket

Avoid dust deposit and helps maintain the operating temperature

Digital display

intuitively operable

Large 80 kg salt tank

reduces the frequency of salt refills, simplifies maintenance, and ensures seamless operation.

Flexible operation

Capable of operating in duplex or triplex setups in parallel or alternating mode with an alternation kit.



Technical specifications

Perla Pro XL	UNIT	BWT Perla Pro XL 125	BWT Perla Pro XL 250
NOMINAL CONNECTION DIAMETER	DN	50 (2")	50 (2")
OPERATING FLOW RATE AT 20 PPM	m³/h	12	12
NOMINAL CAPACITIES	m³ x °dH	420	840
REGENERANT SUPPLY	kg	200	200



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX Pro XL system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

PerlaMAXX Pro L

pearlwater generator for multifamily buildings

The **PerlaMAXX Pro L system** integrates two key components:

- » **Perla Pro L** bi-bloc softener with high-tech for the whole building and
- » **Pearlwater Mineralizer Kitchen Set** for each apartment.

BWT Perla Pro L

The BWT Perla Pro L is a versatile, high-performance water softener specifically designed for commercial and commercial buildings such as hotels, offices, and healthcare facilities. It effectively removes limescale through ion exchange using high-tech resins, ensuring continuous protection for equipment and infrastructure. With its compact and adaptable design, the PRO L is capable of treating high water flows, making it suitable for a variety of demanding applications. Its Simply Connect system allows for quick and economical installation, streamlining setup and minimizing operational downtime.



Special highlights

Ready-to-connect philosophy

1 item includes all connection accessories (hoses and simply connect valve that includes meter, bypass, mixing, sampling)

Optional accessories for all installation objectives

resin disinfection, TH leakage, no raw water during regeneration, No softened water interruption

Versatility of the range

Compact design, flow rate range, accessories, simplex or duplex set up, BMS free potential contacts

Protective jacket

Avoid dust deposit and helps maintain the operating temperature

Digital display

intuitively operable



Technical specifications

Perla PRO L	UNIT	BWT Perla PRO L 50	BWT Perla PRO L 75	BWT Perla PRO L 125	BWT Perla PRO L 150
CONNECTION DIAMETER	DN	50 (2")	50 (2")	50 (2")	50 (2")
OPERATING FLOW RATE AT 20 PPM	m³/h	7	7	7	9,5
NOMINAL CAPACITIES	m³ x °dH	154	230	384	462
REGENERANT SUPPLY	kg	125	125	200	200



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX Pro L system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

Rondomat duoMAXX HVD

pearlwater generator for big multifamily buildings

The **Rondomat duoMAXX HVD System** integrates two key components:

- » **Perla Pro HVD** softener with high-tech resins for the whole building and
- » **Pearlwater Mineralizer Kitchen Set** for each apartment.

BWT Rondomat HVD

The BWT Rondomat HVD is a high-performance, volume-controlled water softener designed specifically for large multifamily buildings and mixed-use complexes (often combine residential units, offices, and commercial spaces).

Rondomat HVD uses advanced volume-controlled regeneration, activates regeneration only when necessary, minimizing water and salt consumption. Its innovative counterflow regeneration technology ensures reverse flow during regeneration stages, maximizing resin utilization and delivering exceptional efficiency. A built-in conductivity meter monitors flush water, halting the process when the resin is fully regenerated, reducing water and salt consumption and further optimizing performance.



Special highlights

- Consistent delivery**

Ensures uninterrupted delivery of soft water 24/7, 365 days a year.
- Environmentally conscious**

approach with minimal salt and water usage for regeneration
- Advanced safety features**

including alarms for salt shortages, conductivity errors, and power disruptions, provide reliable and seamless operation.
- Reduced maintenance expenses**

and operational requirements for installed machinery
- Provision of soft water during regeneration,**

crucial for continuous or variable operation
- Intuitive and reliable**

Multifunctional controller with easy programming
- High-contrast graphical display**

with excellent visibility



Technical specifications

Rondomat HVD	UNIT	400	600	900	1200	1550
NOMINAL CONNECTION DIAMETER	DN	50 (2")	50 (2")	50 (2")	100 (4")	100 (4")
MAX. FLOW RATE *	m³/h	10/15	18/21	25/30	32/39	41/50
CAPACITY AT 1°DH	m³	1085	1680	2520	3290	4340
CAPACITY AT 5°DH	m³	217	336	504	658	868
CAPACITY AT 15°DH	m³	72	108	168	220	289
CAPACITY AT 20°DH	m³	54	84	126	165	217
SALT CONSUMPTION PER REGENERATION	kg - no.	48	72	94	124	124
REGENERATION TIME	minutes	50	55	60	65	70
WATER CONSUMPTION FOR REGENERATION WITH CONDUCTIVITY METER*	m³	0.55	0.75	1.05	1.48	2

* At 15 °C, 3.0 bar and with a clean filter media. For continuous operation, the capacity of some models is reduced depending on the total hardness, iron content, etc.



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The Rondomat duoMAXX HVD system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

Softest
Pearlwater
Bathroom

Softest
Pearlwater
Cellar

Best Mineralized
Pearlwater
Kitchen

OnePipe Pearlwater:

The comprehensive solution for private homes

Elevate your reputation as a DRINKING WATER PROFESSIONAL – thanks to OnePipe Pearlwater. Your customers can now enjoy soft water with perfect taste – without any bad compromises. A comprehensive worry-free package when it comes to comfort and taste – and for you as a drinking water professional, a unique opportunity to do good for your customers and your revenue!

Hard facts about silky-soft BWT Pearlwater and how your customers benefit from it every day:

Up to
20 % less energy consumption*



Virtually no limescale on the heating elements in the appliances means lower electricity and gas costs

Up to
60 kg less lime per year



Longer service life for all pipes and appliances and less cleaning effort without limescale stains

Up to
58 % less washing-up liquid*



Detergent is more effective with pearl water, resulting in fewer chemicals and lower costs

Up to
50 % less detergent*



Better cleanliness with half the dosage and lower temperatures – no anti-limescale additives required

Soft skin & shiny hair



Care products and shampoos are better absorbed, consumption decreases and enjoyment increases

Noticeably softer laundry



Fibres are protected by lime-free water – longer service life for textiles

* Reference household: 4-person household in Germany, 20 °dH, 15 m³ water consumption/month. PCF was calculated by external experts and verified in accordance with ISO 14067.



PerlaMAXX deluxe

pearlwater generator for 1 & 2 family houses

The **PerlaMAXX deluxe system** integrates two key components:

- » **PerlaMAXX deluxe** softener, with advanced protection against water damage.
- » **Pearlwater Mineralizer Kitchen Set**

Extra Benefit: The system also includes the BWT MACH Backwash Filter, the latest innovation to ensure clean, filtered water enters your home. While not a core part of the Pearlwater concept, it adds an extra layer of protection and enhances system performance.

BWT PerlaMAXX deluxe

The BWT PerlaMAXX deluxe is the most advanced model in the PerlaMaxx range for family homes, offering more than just water softening. It is a high-performance twin-column system ensures silky-soft water 24/7 without interruption. It is engineered to handle high peak water demands. Additionally, the BWT PerlaMAXX deluxe offers 100% connectivity via GSM, Wi-Fi, LAN, and the BWT Best Water Home App, allowing seamless remote monitoring and control. With built-in leak detection, overflow protection, and resin disinfection, this system ensures maximum safety, reliability, and long-lasting performance, making it the ultimate choice for family homes that demand the highest standards in water quality, security, and efficiency.



Special highlights

Ensuring perfect water hygiene

Thanks to hygiene operations with ioClean and the dry cabinet.

BWT control panel platform for optimal usability

Available exclusively with all BWT water softeners from Germany. 1000x proven in BWT Perla models.

BWT Best Water app

Information, security, comfort, and a range of benefits. Your personal water assistant for numerous BWT products.

DVGW-Certified

Meets strict German water quality standards.

Multi info touch display

Modern design featuring an easy-to-navigate menu.

Ready-to-install

full connection kit included (filter, couplings, bypass, drain).

Eco-friendly efficiency

Intelligent and proportional regeneration management minimizes salt and water consumption, ensuring sustainable and cost-effective operation.

360 degree operating concept

Auto-check function and automatic online software updates bring optimized operational reliability with scheduled maintenance intervals.

Comprehensive protection against water damage

with AQA Guard Bodensensor(en), AQA Stop and AQA Watch



Technical specifications

PerlaMAXX deluxe	UNIT	TECHNICAL DATA
NOMINAL CONNECTION DIAMETER	DN	32 (G 1 1/4")
NOMINAL FLOW RATE ACCORDING TO DIN EN 14743 AT ΔP = 1 BAR	m³/h	3,2
NOMINAL CAPACITY	mol (m³ x °dH)/Säule	2 x 1.1 (6,2)
REGENERATING AGENTS PER REGENERATION (at 100 %)	kg	0,25
REGENERANT SUPPLY IN THE CABINET	kg	32
DIMENSIONS (H X W X T)	mm	798 x 395 x 505

BWT MACH HWS 1" filter

The BWT MACH backwash filter with patented rotary pulse backwash optimizes filter performance and leaves filter surface cleaner. This ensures exceptionally clean drinking water. High-quality materials make it particularly durable and environmentally friendly.



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX deluxe system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

PerlaMAXX home

pearlwater generator for 1 & 2 Family houses

The **PerlaMAXX home system** integrates two key components:

- » **PerlaMAXX home** softener
- » **Pearlwater Mineralizer Kitchen Set**

Extra Benefit: For optimal installation, the system also includes the BWT EM1 HWS filter, which ensures clean, filtered water enters your home. While it is not a core part of the Pearlwater concept, it adds an extra layer of protection and improves the overall performance of the system.

BWT PerlaMAXX home

The PerlaMAXX home is an innovative, single-column softener, removes limescale with ion-exchange resin. It integrates three capacities into one device, allowing for versatile and efficient water softening. Its intelligent regeneration technology, featuring precision salting and a freely selectable regeneration time, ensures minimal use of regenerant and water. The operation and regeneration processes are controlled via a userfriendly electronic interface, ensuring easy handling and precise control. By integrating advanced regeneration efficiency, space-saving design, and intuitive controls, the PerlaMAXX home softener offers an ideal solution for modern, high-performance water softening.



Special highlights

Eco-friendly efficiency

Intelligent and proportional regeneration management minimizes salt and water consumption, ensuring sustainable and costeffective operation.

Optional module for dual water hardness

e.g., for large buffer tanks and solar thermal system

Compact design

allows for convenient under-sink installation even in the kitchen, making it a practical choice for various spaces.

DVGW-Certified

Meets strict German water quality standards.

Ready-to-install

full connection kit included (filter, couplings, bypass, drain).

Integrated hygiene system

Ensures maximum water safety and protection against microbial contamination.



Technical specifications

PerlaMAXX home	UNIT	TECHNICAL DATA
NOMINAL CONNECTION DIAMETER	DN	20
NOMINAL FLOW RATE ACCORDING TO DIN EN 14743 AT ΔP = 1 BAR	m³/h	1.6
NOMINAL CAPACITY ACCORDING TO DIN EN 14743 (DEPENDING ON THE SETTINGS)	mol (m³ x °dH)	2,3 (12,9) / 3,1 (17,4) / 4,0 (22,4)
REGENERATING AGENT PER REGENERATION (DEPENDING ON THE SETTINGS)	kg	0.35 / 0.5 / 0.8
REGENERANT SUPPLY IN THE CABINET	kg	max. 50

BWT E1 MAXX HWS 1" filter

The BWT EM1 single-lever filter protects household appliances from particles such as sand and rust from entering the water system. It is produced according to HACCP standards and offers a quick 30-second filter change without touching the parts that come into contact with drinking water.



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX home system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

PerlaMAXX opti

pearlwater generator for 1 & 2 Family houses

The **PerlaMAXX opti system** integrates two key components:

- » **PerlaMAXX opti** softener
- » **Pearlwater Mineralizer Kitchen Set**

Extra Benefit: For optimal installation, the system also includes the BWT MU with B.SECURE filter, which ensures clean, filtered water enters your home. While it is not a core part of the Pearlwater concept, it adds an extra layer of protection and improves the overall performance of the system.

BWT PerlaMAXX opti

The PerlaMAXX opti softener is the perfect blend of performance and design, making it a must-have for a wide range of households. An innovative, single-column softener, removes limescale with ion-exchange resin. Its compact size (less than 1 m height) fits seamlessly into any space while delivering exceptional efficiency. With Wi-Fi connectivity, you can easily monitor water and salt consumption in real-time, and witness how its proportional regeneration system helps save resources while protecting the environment.

The PerlaMAXX opti model is equipped with several advanced safety features, including a leak detector, overflow protection, and resin disinfection, ensuring reliable and long-lasting performance.



Special highlights

Eco-friendly efficiency

Intelligent and proportional regeneration management minimizes salt and water consumption, ensuring sustainable and cost-effective operation.

Integrated hygiene system

Ensures maximum water safety and protection against microbial contamination.

BWT Best Water app

Information, security, comfort, and a range of benefits. Your personal water assistant for numerous BWT products.

Maximal safety

anti-overflow system, low salt alarm, abnormal flow alarm.

Convenient design

compact size (less than 1meter high) and elegant lines.

User-friendly display

Intuitive color screen with a clear and engaging interface for effortless operation.



Technical specifications

PerlaMAXX opti	UNIT	TECHNICAL DATA
NOMINAL CONNECTION DIAMETER	DN	25 (1")
NOMINAL FLOW RATE (AT TH = 6° DH)	m³/h	2.4
SALT CONSUMPTION PER REGENERATION	kg	1.625
WATER CONSUMPTION PER REGENERATION	litres	97
MAX. LOAD IN SALT	kg	42
CAPACITY (°F) FOR TH = 0	m³	70
CAPACITY (°DH) FOR TH = 0	m³	39

BWT MU with B.SECURE filter

The BWT MU with B.SECURE filter element 25µm sediment filter provides effective water filtration with bacteriostatic treatment, protects installations from contaminants (sand, sludge, rust), prevents bacterial growth on filter element, and allows easy maintenance with a clear housing.



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX opti system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

PerlaMAXX 10 or 20

pearlwater generator for 1 & 2 Family houses

The **PerlaMAXX 10 or 20 system** integrates two key components:

- » **PerlaMAXX 10 or 20** softener
- » **Pearlwater Mineralizer Kitchen Set**

Extra Benefit: For optimal installation, the system also includes the BWT MU with B.SECURE filter, which ensures clean, filtered water enters your home. While it is not a core part of the Pearlwater concept, it adds an extra layer of protection and improves the overall performance of the system.

BWT PerlaMAXX 10/20

The BWT PerlaMAXX 10 and 20 are the entry-level models in the PerlaMaxx concept, offering a perfect blend of style and performance. It is a single-column softener, removes limescale with ion-exchange resin. Equipped with Wi-Fi connectivity, it allows for easier installation, product registration, and appliance management through the BWT Best Water App.

To accommodate different household needs, the BWT Perla Silk WiFi is available in two sizes: 10 and 20. The 10 model is particularly compact and fits easily into standard kitchen cupboards, making it a perfect space-saving solution.



Special highlights

BWT Best Water app

Information, security, comfort, and a range of benefits. Your personal water assistant for numerous BWT products.

Eco-friendly efficiency

Intelligent and proportional regeneration management minimizes salt and water consumption, ensuring sustainable and cost-effective operation.



Technical specifications

PerlaMAXX 10 oder 20	UNIT	10	20
NOMINAL CONNECTION DIAMETER	DN	20 (¾")	20 (¾")
NOMINAL FLOW RATE ACCORDING TO EN 14743	l/h	1440	1680
NOMINAL CAPACITY (EN 14743) CaCO ₃ mmol/l	m³×°dH/mol/ppm	26 / 4.6 / 460	60 / 10.7 / 1070
REGENERANT SUPPLY IN THE CABINET	kg	12	24
SALT CONSUMPTION PER REGENERATION	kg	1.5	2.5
WATER CONSUMPTION PER REGENERATION	l	85	125

* Tested with optionally available connections for high flow rates

BWT MU with B.SECURE filter

The BWT MU with B.SECURE filter element 25µm sediment filter provides effective water filtration with bacteriostatic treatment, protects installations from contaminants (sand, sludge, rust), prevents bacterial growth on filter element, and allows easy maintenance with a clear housing.



Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro

The PerlaMAXX 10 or 20 system wouldn't be complete without its innovative under the sink 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 faucet 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, calcium, silicate, and bicarbonates – at the push of a button.



For full details, explore the kitchen solution on (page 55).

Pearlwater Mineralizer Kitchen Set

Powered by MIXXO Pro



The PerlaMAXX system wouldn't be complete without its innovative kitchen solution, which delivers perfect mineralized drinking water directly in every kitchen.

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 within a few seconds.
- » **The Pearlwater Mineralizer Cartridge** – mineralizes soft water with magnesium, calcium, 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 cartridge status.

Quick & effortless installation

Mounts easily under the sink, connecting 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)
FILTER CARTRIDGE	
MINERALISER CAPACITY	3000 l
MINERALISER EXCHANGE	12 month
INSTALLATION	vertical



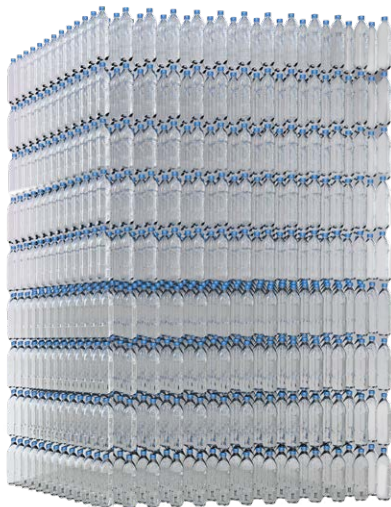
Do something good for yourself
and the environment!

BWT Pearlwater

Switching to BWT Pearlwater is an investment in sustainability and brings savings. By reducing lime deposits, the need for washing and cleaning agents is minimized, and less energy is consumed. This saves costs in the household. In addition, BWT Pearlwater offers an environmentally friendly solution for the kitchen, eliminating single-use PET bottles. With a positive environmental balance, BWT Pearlwater helps reduce CO₂ emissions and is therefore a smart choice for your home and our planet.

1x BWT Pearlwater
Mineralizer

6.000 pieces of 0,5 l
PET bottles*



Potential savings:
up to

521 kg CO₂**
= 4.168 km 



Average savings
per household
per year:
up to

~ 840 €***

Source: Reference household: 4-person household in Germany, 20 °dH, 15 m³ water consumption/month
* Information on the maximum capacity of the mineralisation filter; not part of the PCF study
** CO₂ savings including cleaning/maintenance, calculated by independent experts in the PCF study. Illustrative assumption (not part of the study): substitution of 5 litres of still bottled water per household per day. Mileage comparison based on WLTP tailpipe emissions of a Volkswagen Golf 1.5 TSI, which was not part of the PCF study.
*** Monetary assumptions (e.g. energy prices, prices for detergent/salt, maintenance intervals including boiler descaling, filter cartridge prices and prices for bottled water) are based on current market data and may vary regionally and over time.



For You and Planet Blue.

Filter Recycling at BWT:

Thinking in cycles

up to
99%
recycling



* BWT recycling locations in Austria, Germany, France, and Denmark.
Most of our BWT water filters get recycled.

Many of our BWT water filters are Cradle to Cradle® certified

The Cradle to Cradle® certification is a remarkable achievement that stands for a deep commitment to a healthier, fairer, and more sustainable world for today and tomorrow.

Cradle to Cradle (C2C) means "from cradle to cradle" and is a concept developed by Michael Braungart and William McDonough in 2002. It focuses on recycling materials without waste and creating products that can be reused indefinitely.



For You and Planet Blue.



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**BWT Best
Water App**

