

## Press Release

Frankfurt a. M./Mondsee, 17. 03. 2025

**BWT Holding GmbH**

Walter-Simmer-Straße 4  
A-5310 Mondsee

☎ +43/6232/5011-0

☎ +43/6232/4058

✉ office@bwt.com

[www.bwt.com](http://www.bwt.com)

# **BWT AQatherm Ensuring Reliable Energy Efficiency with the Right Heating Protection Program from BWT – the inventor of chemical-free heating water treatment**

The BWT AQatherm range provides heating systems with complete protection against oxygen-induced corrosion, deposits, and microbiological growth through the use of BWT treated, low-salt heating water—without any chemical additives.

**Frankfurt a. M./Mondsee** – The heating industry has been undergoing a transformation toward greater energy efficiency and sustainability for years. This shift affects every aspect of building technology, with advancements continually optimizing systems. Heating systems are now smartly integrated into networks, and operators are investing in the best systems and technologies to achieve optimal coordination for sustainable living and efficient heating.

"But it's not enough to install the smartest systems and best insulation," says Axel Kraushaar, heating protection expert at BWT. "To truly heat efficiently, you also need to take care of what's happening inside the pipes. To ensure the longevity of a heating system, it's crucial to optimize the heat transfer medium—the water in the pipes—without relying on toxic chemicals often found in anti-corrosion agents or indicator resins."

### **The Perfect Chemical-free Heating Water from BWT**

Heating water not only transports heat but also creates a comfortable living environment. Beyond its primary role of transferring heat energy from the generator to the living space, heating water must meet three essential criteria according to VDI 2035: It must prevent deposits and corrosion, and when used as a heat source for drinking water, it must not endanger or contaminate it. BWT's ideal heating water ensures the smooth operation of all connected components. Axel Kraushaar emphasizes: "For worry-free heating, I highly recommend desalinated operation." To guarantee reliable and safe operation, BWT offers the AQatherm product line for top-tier heating protection—**all without chemical additives.**

## **BWT AQA therm Heating Protection**

The BWT AQAtherm product range provides heating engineers and operators with effective, environmentally friendly products for initial system filling, topping up, and sanitizing heating water. With no chemicals involved, these operations are completely safe, even without the need for respiratory protection or gloves.

At the forefront of this product line is the world-first **BWT AQAtherm MOVE Power**—a mobile reverse osmosis system developed by BWT Dynamics engineers in Italy. This power-packed device sets new standards for filling heating systems and can be used anywhere low-salt water is required. During the development of AQAtherm MOVE Power, the focus was on creating a compact, lightweight, and practical design, enabling heating engineers to fill systems easily and efficiently. The device is ready to use within minutes and can operate both as a mobile or stationary unit. Its innovative technology and intelligent design meet all environmental, work, consumer, and drinking water protection standards.

Once the heating system has been filled, the extended **AQAtherm HWG series** simplifies and promotes environmentally friendly topping-up by heating system operators. Since up to 5% of the system volume needs to be refilled annually under normal conditions, desalinated water is required for this process. The HWG series introduces two new products: the cost-effective AQAtherm HWG Eco and the premium AQAtherm HWG Premium+, which will be showcased as a prototype at ISH 2025 in Frankfurt.

The AQAtherm range is further complemented by new tools such as the **AQAtherm HBA VE**, **AQAtherm HBA Soft**, and **AQAtherm HRA VE**. These mobile filling systems are designed to produce either demineralized or softened heating water based on specific requirements. The AQAtherm HBA VE and HRA VE units utilize a pH-optimized mixed-bed ion exchanger with excellent flow properties. The simple, practical handling, especially when refilling resin, saves heating engineers valuable time. The mixed-bed resin is easy to replace either on-site or in the workshop, ensuring minimal downtime.

## **Environmental Protection through Recycling and Reuse**

All AQAtherm products from BWT are designed with a focus on energy efficiency and environmental protection. The reprocessing of used filter cartridges from the AQAtherm HWG series is an integral part of the product lifecycle, ensuring a sustainable recycling process. As a result, up to 99% of a cartridge can be reused as raw material for new cartridges or as ion-exchange resin. Only 1% of the valuable raw materials cannot be recovered.

## About BWT

The Best Water Technology Group is Europe's leading water technology company. Around 6,500 employees work towards the goal of providing customers from private households, commerce and industry, hotels and municipalities with innovative, economic and ecological water treatment technologies, that guarantee maximum safety, hygiene, health and well-being in the daily use of water. BWT provides modern water treatment systems and services for drinking water, pharmaceutical and process water, heating water, boiler water, water for cooling and air conditioning systems as well as water for swimming pools. All over the world our Research & Development teams, using state-of-the-art methods, work on new processes and materials with the aim of developing ecological and economical products. A key development issue is the reduction in the products' use of operating resources and energy consumption and the resulting minimization of CO2 emissions. The declared goal of BWT is to make perfect quality drinking water available all over the world and to reduce the consumption of single-use plastic bottles. That saves the complex transport, storage and disposal of single use water bottles. BWT pays particular attention to sustainability, social responsibility and the careful use of limited resources in order to leave a beautiful, livable world for future generations – according to the claim: BWT - For You and Planet Blue. Following this vision and claim, BWT is now introducing the One Pipe Power – The world's softest and tastiest mineralized Pearlwater – The game-changing innovation of the 21<sup>st</sup> century for the sanitary water industry.

More information about the group of companies at [www.bwt.com](http://www.bwt.com).

### Contact:

[presse@bwt.de](mailto:presse@bwt.de)

### Pictures

Copyright: BWT - Best Water Technology

Reprint free of charge, specimen copy requested.

File	Picture	Description
01	BWT AQatherm MOVE POWER	World-first BWT AQatherm MOVE POWER – mobile reverse osmosis system setting new standards for filling heating systems
02	BWT AQatherm HWG Eco	BWT AQatherm HWG Eco simplifies and promotes environmentally friendly topping-up by heating system operators
03	BWT AQatherm HBA Soft	BWT AQatherm HBA Soft - mobile filling system with softened heating water based on specific requirements
04	BWT AQatherm HBA VE	BWT AQatherm HBA VE – mobile filling system with demineralized heating water and ph-optimized mixed-bed ion-exchanger

05	BWT AQatherm Heating Protection	BWT AQatherm heating protection – perfect chemical-free heating water for reliable energy efficiency and cosy warmth in each home
----	---------------------------------	---