

## Press Release

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# **BWT MACH Filter – The 5 second backwash filter BWT presents new revolutionary DIR generation of backwash filters for optimum drinking water hygiene**

At ISH 2025 in Frankfurt, technology leader BWT from Austria will unveil its new MACH filter product range, featuring patented rotary-pulse backwash (DIR) technology and anew design.

**Frankfurt a. M./ Mondsee** – Innovative water filtration technology meets proven quality with the new MACH filter from BWT, setting new standards for basic protection in drinking water systems. Thanks to the advanced DIR backwash technology, the BWT MACH filter is a robust, efficient, reliable, and sustainable solution for protecting drinking water installations against particle ingress. The choice of filter element size and the improved cleaning of the filter surfaces ensure clean, particle-free drinking water. “In developing the new generation of BWT MACH backwash filters, we have not only created a visually appealing product, but the patented DIR technology combines perfect filter backwashing with resource conservation like never before. It also stands out for its ease of use,” says Stefan Remmert, Managing Director of BWT Austria, describing the filter innovation from Mondsee.

The BWT MACH filter will be introduced in the market on 15<sup>th</sup> July 2025 in a manual version, both with a pressure reducer (HWS) and without (RSF), and in all common dimensions (¾ to 2 inches).

### **Efficient, Reliable and Sustainable**

Thanks to BWT MACH filter’s innovative DIR backwash technology, a perfect filtration result is achieved. Dripping taps and damage to household appliances are avoided, while the breeding ground for bacteria in drinking water is minimized. DIR technology ensures safe cleaning of the filter element, guarantees reliable long-term use, and reduces water consumption during the backwashing process. This makes the BWT MACH filter not only environmentally friendly but also highly resource efficient. As a result, drinking water is effectively filtered following sustainable principles.

### **High-quality Materials and Durability**

The BWT MACH filter is made from high-quality, sustainable materials, ensuring it is robust and lead-free. The filter head and connection module are made of lead-free brass, and a special coating on the filter head ensures long service life and optimal protection against corrosion.

The filter element is crafted from a high-quality stainless-steel mesh, ensuring perfectly hygienic water treatment. The large filter surface effectively retains even the finest particles. Additionally, the intelligent internal design ensures optimal cleaning during the backwashing process.

### **Simple Operation – Practical and Convenient – The 5 seconds backwash filter**

The operation of the BWT MACH filter is as intuitive as it is effective. The filter element is hygienically cleaned in two backwash phases. During the first phase, coarse particles are flushed out, and in the second phase, the filter element is cleaned down to the pores. The backwash process is activated with just one 90° turn of the filter handle, either to the left or right. The filter is cleaned of fine particles in just four seconds. The backwash process stops automatically once the handle is released. Thanks to its intelligent design, the backwash valve opens fully, allowing for particularly hygienic backwashing. An integrated viewing window on the housing also enables visual inspection of the filter sieve.

### **Optimized Connection Technology**

With the advanced HydroMODUL connection (for ¾" to 1 ¼"), the filter can be installed in just seconds. This makes the filter incredibly flexible to use—even in vertical drinking water pipes or in tight spaces—without the need for tools or additional wall brackets. The new BWT HydroMODUL is also backward-compatible with existing HydroMODUL connections.

### **Smart App Reminders**

Maintaining the BWT MACH filter is easier than ever with the BWT Best Water app. After registering the product, users will receive automatic reminders via the app or email. These reminders include notifications for regular backwashing every 6 months, filter maintenance, and filter replacement every five years, or for replacing the filter cup and DR insert every 10 years. This ensures drinking water remains hygienically clean while keeping maintenance simple and efficient.

### **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).

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**Pictures**

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File	Description	Product Name
1	BWT MACH Filter	BWT MACH Filter 2"
2	BWT MACH Filter	BWT MACH Filter 2"
3	Clean drinking water hygienically filtered without particles thanks to BWT MACH filters	-
4	BWT MACH Filter	BWT MACH Filter 2"
5	BWT MACH filter Filter element made of 100 µm stainless steel mesh	BWT MACH Filter
6	BWT MACH filter installed in the pipe system	BWT MACH Filter 2"
7	BWT MACH filter installed in the pipe system	BWT MACH Filter 2"
8	Clean drinking water hygienically filtered without particles thanks to BWT MACH filters	-