BWT
BEST WATER TECHNOLOGY



Pure Water for a new generation

PURE, FRESH WATER AVAILABLE AT ALL TIMES SIMPLY FROM THE TAP – TREATED WITH BWT'S GROUNDBREAKING TECHNOLOGY.





the new, reliable and efficient generation of Reverse Osmosis.

PURE WATER, FREE OF MICROPLASTICS, BACTERIA AND NANOPARTICLES, DIRECT FROM THE TAP

Clean water that can be used, drunk and fully enjoyed without hesitation: This is one pillar of optimal health. Water of this quality is not always available.

Salts, odour and taste-impairing substances, agricultural or drug residues, but also microplastics and bacteria can affect the purity of water.

However, it is possible to obtain pure, fresh water at home at any time – regardless of the quality of the original water. The powerful and space-saving BWT THERO 90PRO from BWT's new generation of water purifiers – makes it possible. Just turn on the tap and wash fruit or vegetables, or fill a glass with fresh, pure water!

b.LOCAL b.DELICIOUS b.VITAL b.RESPONSIBLE

DISCOVER MORE AT bwt.com

The problem solver for especially difficult cases



The BWT THERO 90PRO can be used wherever conventional water filters reach their limits. The special membrane filter technology, the so-called reverse osmosis filter system, removes heavy metals, microplastics, bacteria, viruses, hormones, nitrates, lime and other harmful substances and at least 98% of salts from the water. What remains is the purest H2O for cooking, washing fruit and vegetables and drinking. Best of all: no chemicals are required.

BWT THERO 90PRO FOR MORE QUALITY OF LIFE, RESOURCE CONSERVATION AND ENVIRONMENTAL PROTECTION

» **Fresh, purified water at any time:** 1.5 litres of water can be produced per minute. This means that no storage container is required, and the risk of bacteria formation and growth is eliminated.

» **Intelligent & space-saving:** Water is only produced when needed. An exclusive, elegant and very compact design enables a space-saving installation.

» **Low noise & low vibration:** The aluminium construction enables low noise and vibration operation and prolongs the pump's service life thanks to optimum heat dissipation.

» **Reliable & efficient:** The separation process functions via a membrane whereby tap water is purified under high pressure. Only pure water is passed through the membrane, with only a 50% wastewater rate.



» **Easy to use:** The membrane is located in a cartridge with a screw-on cap. This allows it to be replaced easily, quickly and without tools. An automatic "Aqua-Stop" in the fil er head allows a fil er exchange without having to turn off the water supply.

» **Simple use:** App connection via Bluetooth for easy control and monitoring of water quality via smartphone or tablet (THERO 90PRO only).

Special features
THERO 90PRO

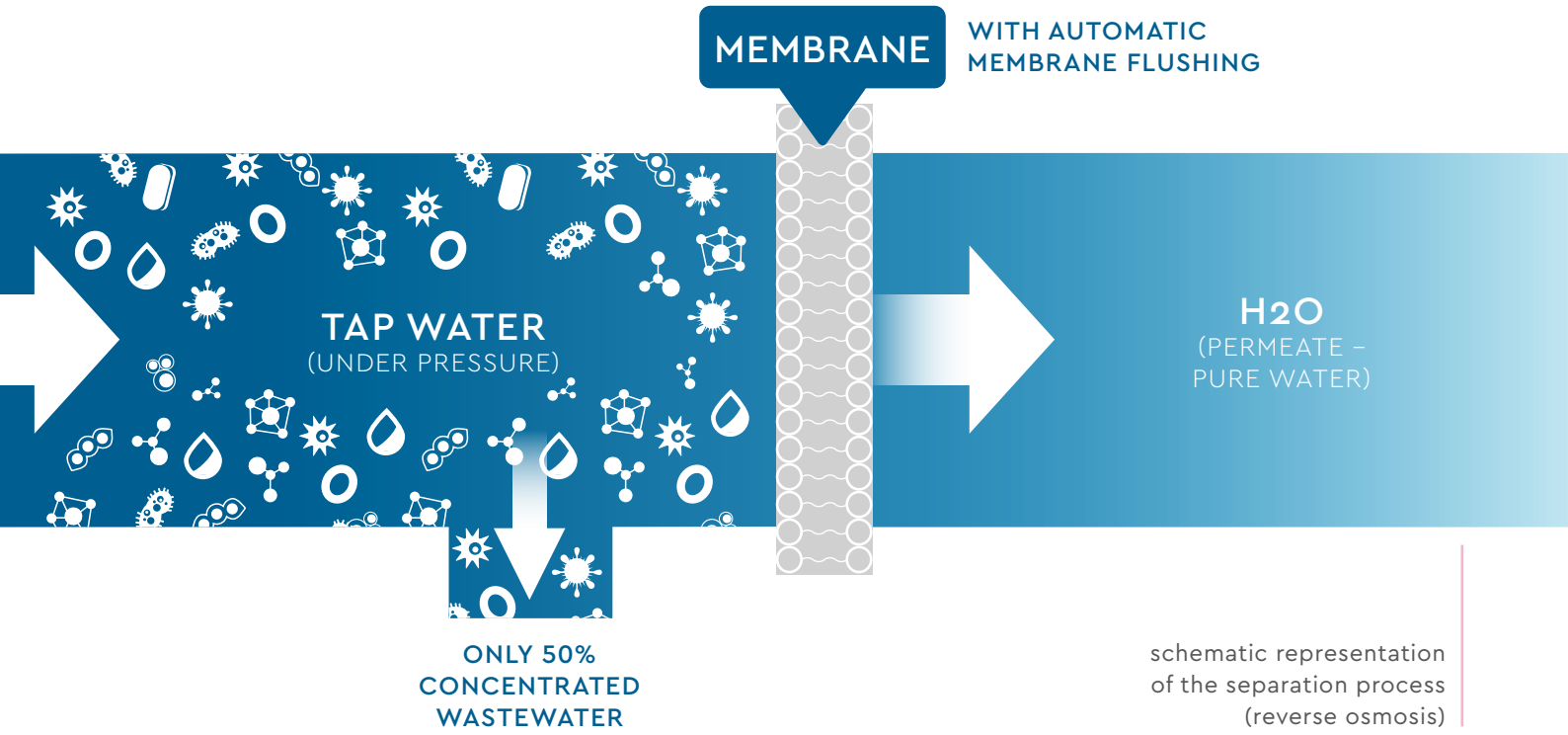


- » EASY INSTALLATION
- » EASY FILTER CHANGE
- » LITTLE SPACE REQUIRED
- » LOW NOISE DUE TO ALUMINIUM HOUSING
- » HIGH FLOW-RATE OF 1.5 L/MIN
- » NO STORAGE TANK REQUIRED
- » HIGHLY EFFICIENT, ONLY 50% WASTEWATER
- » DURABLE

THE BWT THERO 90PRO app

With the aid of the BWT THERO 90PRO app (only available in the PRO version) the device can be easily controlled and monitored. The app is connected to the end device, tablet or smartphone via Bluetooth.

- » Monitoring water quality (permeate)
- » Input water meter for monitoring water consumption
- » Operating hours counter
- » Status and alarm overview



schematic representation of the separation process (reverse osmosis)

Water purifier of a new generation

IT'S VERY SIMPLE

The BWT THERO 90PRO's space saving design enables it to be installed discreetly under the sink and connected to the mains water supply. The usual household water pressure supplies the system automatically with raw water and drains the wastewater automatically via the drainpipe.

During the separation process tap water is forced through a membrane under high pressure. Only pure water can pass through the membrane, while salts, bacteria, organic substances, microorganisms and microplastics are retained. All substances dissolved in the tap water are discharged via the wastewater.



Available in two versions. As the BWT THERO 90PRO with Bluetooth connection or as manual basic version.

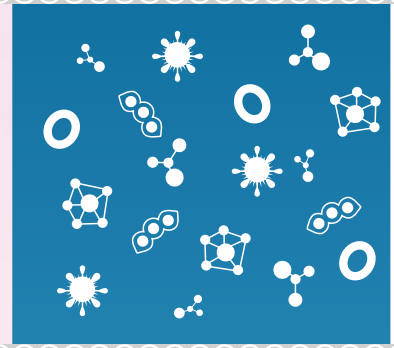
	BWT THERO 90PRO	BWT THERO 90
Article number	821105	821100
App	✓	–
Membrane flushing	✓	✓
Interval membrane flushing	✓	–
Measurements (D x W x H)	264 x 121 x 451 mm	
Weight	8.8 kg	
Electrical connection	100–230 V	
Performance at 15 °C	90 l/h | 1.5 l/min	
Min. inlet pressure	2.0 bar	
Ambient temperature	5–40 °C	
Water temperature	5–30 °C	
Salt retention	>98%	
Yield approx.	50%	
Max. raw water hardness	20 °dH	
Iron (Fe) & Manganese (Mn)	<0.05 mg/l	
Silicate (SiO)	<15 ml/l	
Total dissolved salt content	<500 mg/l	
Blocking index (SDI – Silt Density Index)	<3%/min	
Oxidizing substances	<0.05 mg/l	
Filter exchange	At least every 2 years	

Different levels of filtration



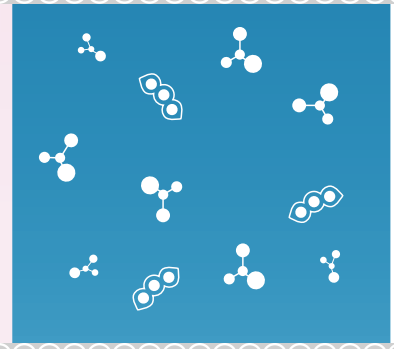
- Plankton
- Algae
- Turbidity
- Bacteria
- Undissolved particles

1 **MICRO**FILTRATION **> 0.1 µm**



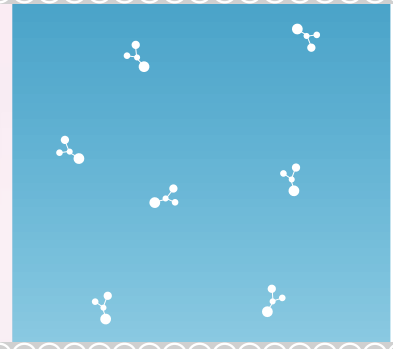
- Macromolecules
- Viruses
- Colloids

2 **ULTRA**FILTRATION **> 0.01 µm**



- Organic compounds
- Large ions

3 **NANO**FILTRATION **> 0.001 µm**



- Ions

4 **REVERSE** OSMOSIS **> 0.0001 µm**



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