BWT bestaqua 12 ROC

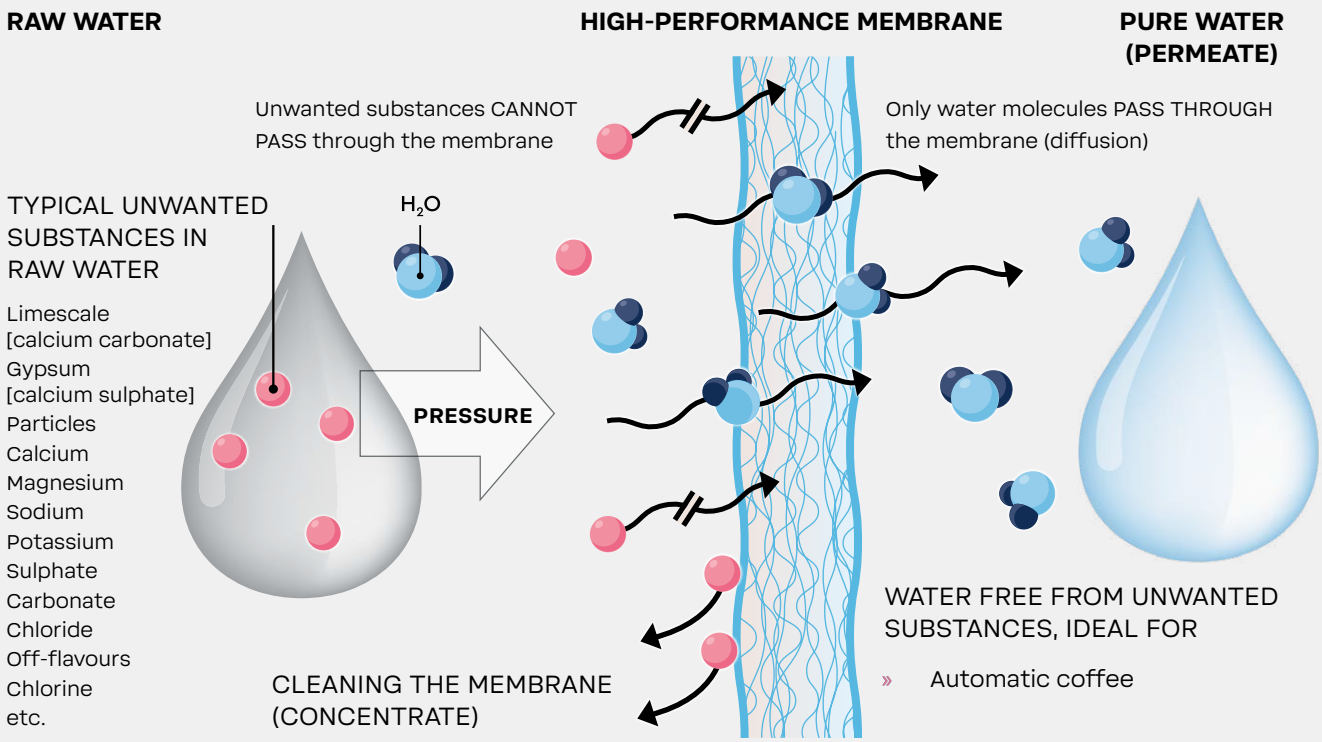
the mini purist

Our most compact unit for pure water Reverse osmosis technology

The BWT bestaqua ROC reverse osmosis (RO) system features an innovative membrane module designed for reliable, high-performance water treatment. Housed in a compact cartridge similar to the proven BWT water+more filter range, it incorporates one of BWT's most advanced reverse osmosis membranes to deliver consistent, maintenance-free operation and high filtration efficiency.

The system is ideally suited to applications with high raw water contamination or high demand for purified water. It provides a dependable supply of high-quality water and delivers consistent, standardised water optimisation for automatic coffee/hot beverage machine applications, ensuring reliable performance in every installation.

HOW REVERSE OSMOSIS WORKS



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BWT bestaqua 12 ROC

KEY DATA	BWT bestaqua 12 ROC
Permeate Performance	1.5L/min = 90L/h
Salt retention rate	>96%
Permeate yield	approx. 50%
OPERATING CONDITIONS	
Min. feed water flow rate	90L/h @7 bar/15°C
Concentrate flow rate	approx. 2L/min = 120L/h
Feed water pressure	0.2-0.4 | MPa = 2-4 Bar
Feed water Temperature	4-30°C
Ambient temperature	4-40°C
POWER	
Unit Power Supply	24VDC - 3.75Amp
Equipment Connection	5.5x2.1mm DC plug
Fuse / Internal Fuse	10 / 1.25 A (Type T / SLOW BURN)
Power consumption	90W Max - Standby<3W
Equipment connection	IEC-320 Socket
Cold appliance connection cable	100-240VAC to 24VDC POWER ADAPTER 2-pin plug, Type I - IP54
Protection class	IP21
FEED AND DRAINAGE LINES	
Feed water	M 3/4"
Permeate	8mm Quick Connect
Concentrate	8mm Quick Connect
ORDER NUMBER	
bestaqua 12 ROC membrane	125592568
12 ROC System	BA12S-30

IMPORTANT!

The BWT bestaqua ROC may only be supplied with cold water of drinking quality. WCF: Water Conversion Factor | TDS: Total Dissolved Solids | SDI: Silt Density Index

1. The performance indicated applies for operation without permeate back-pressure at a water temperature of 15 °C. The performance achievable in practice depends on various parameters, such as the feed water quality, water temperature back-pressure on the permeate side etc., and may therefore deviate slightly from the value shown here.
2. The use of a feed water pre-treatment unit or a particle and activated carbon filter such as the BWT besttaste is recommended. The default setting is for a WCF value of approx. 50 % at standard conditions (see ref. 1). The total WCF of device may vary due to local conditions and default settings, e.g. rinsing cycles.
3. The electrical compliance of the device are guaranteed only when using the supplied AC-DC converter. The use of third-party power supplies voids the electrical certification.

* Recommendation:
Replace the membrane regularly after 12 months, but at the latest after 24 months or if the flow rate is reduced.
Errors and omissions excepted, subject to change without notice.

PUMP FOR CONSTANT PRESSURE
- Consistently high efficiency regardless of the mains pressure
- Long membrane service life

FINE SENSOR TECHNOLOGY
- Flow rate and pressure
- Conductivity measurement in outlet water (permeate)
- Temperature
- All relevant operating parameters monitored

SILICONE PADS AND FOLDING HINGE
- Solid base stand
- Simple membrane module replacement

HIGH-QUALITY HOUSING IN ALUMINIUM
- Hygienic surface
- Easy to clean
- Sound-insulated

MEMBRANE MODULE BWT BESTAQUA MEMBRANE
- Ultra-efficient
- Continuously high permeate yield of approx. 50%
- Simple membrane replacement - no tools required

SETTINGAND CONTROL
- Control of all the relevant operating parameters
- Bluetooth interface

CONTROL
Reverse osmosis controlled and monitored extremely easily via an app on your smartphone.

GREEN
Sustainable reverse osmosis with extremely low waste water generation and resource consumption.

INTEGRATED TECHNOLOGY
Reverse osmosis developed specifically for automatic coffee applications.

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