BWT CHANGE THE WORLD sip by sip

BWT water + more

ROC YOUR WATER

BWT BESTAQUA ROC SYSTEMS: RETHINKING REVERSE OSMOSIS TECHNOLOGY

BWT-WAM.COM

WATER TREATMENT REDIFINED

BWT water+more has completely redefined its equipment with reverse osmosis technology, making it more compact, more efficient, and with even better performance. BWT bestaqua ROC systems are setting new water optimization standards in the catering industry. Never has it been so easy, reliable and cost-effective to treat local drinking water to achieve pure water for the specific requirements of the food sector.

INNOVATION FOR PURE WATER

A visible identifier for this new generation of devices is the innovative membrane module, which at first sight looks like one of the regular BWT water+more water filters that have proven themselves millions of times over already. But it's what's inside this module that sets it apart. It is equipped with one of the most high-performance membranes in the world to come from BWT. It will run and run...

maintenance-free and always ultra-efficiently. The BWT bestaqua ROC reverse osmosis really plays to its strengths in situations where there is high demand for pure water or a high level of unwanted substances in the raw water and where what is wanted is standardised water optimization that produces reliable results worldwide.

BWT bestaqua ROC

CONTROL

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

GREEN

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

INTEGRATED TECHNOLOGY

Reverse osmosis developed specifically for the restaurant trade.

TURN

Infinitely adjustable bypass setting for targeted, demanddriven demineralization.

BWT BESTAQUA

FUNCTIONAL ELEMENTS

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

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

CONTROL AND MONITORING
- Via app on Smartphone Android and iOS
- Bluetooth interface
- Secure protocol

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

SETTING AND CONTROL
- Control of all the relevant operating parameters

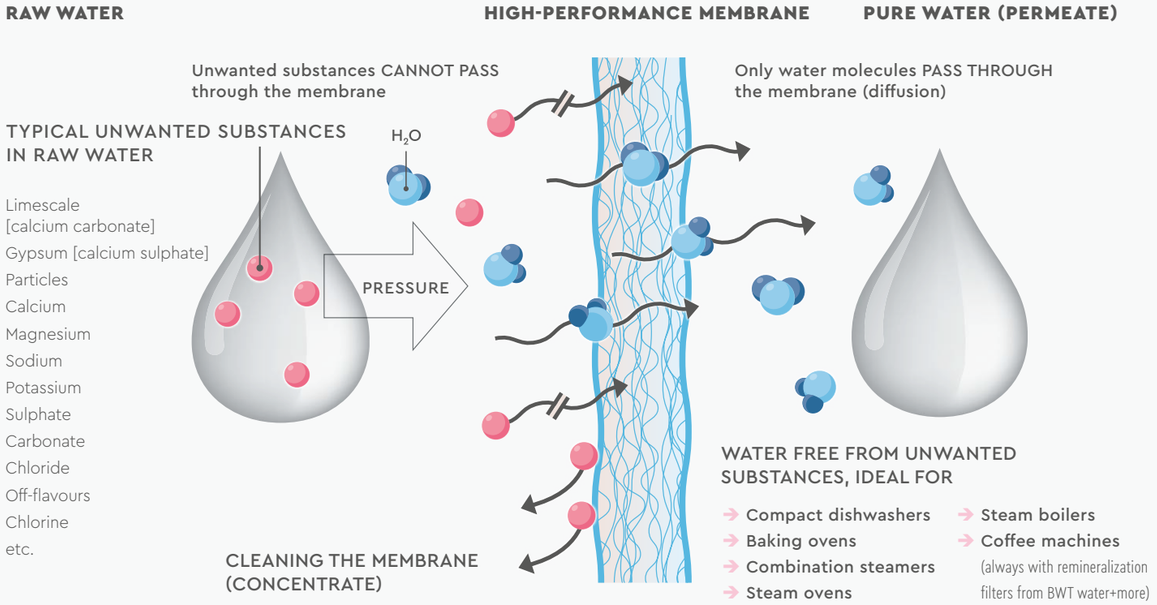
SILICON PADS AND FOLDING HINGE
- Solid base stand
- Simple membrane module replacement

PERFECTION IN THE PROCESS

BWT bestaqua ROC systems were designed to meet the high demands of the catering industry. It is ideal for producing very pure water, such as that needed to produce steam for combination steamers or steam ovens, or for a steam feed when baking. The technology makes sure dishes look spotless when they come out of the dishwasher to create a glistening table setting at your restaurant. It also enables all unwanted substances to be reduced from the water effortlessly, allowing the water to vaporise entirely without residues. The water optimization ensured by BWT bestaqua ROC systems is the best preventive care for appliances in the catering industry. And the best side-effect of this for users? Less expenditure on cleaning, low downtimes, and enormous potential savings on maintenance and repair.

ROC SYSTEM

HOW REVERSE OSMOSIS WORKS



WINNING AT THE FINISH

Guests have high expectations. Restaurateurs can only comprehensively satisfy their needs in a perfect ambience. And however banal it may sound, guest satisfaction has a lot to do with perfecting the "basics", such as the washing of dishes and cutlery. The BWT bestaqua ROC system is one of the best water optimization concepts that lets your tableware shine in all its glory. Its pure water prevents marks from drying on and stops smearing. For consistently flawless crockery, brilliant glasses and sparkling cutlery, along with the eyes of your guests likewise gleaming in satisfaction. And, by the way, it can also save you a lot on cleaning products and on polishing glasses and cutlery by hand.

TECHNICAL DATA

BWT BESTAQUA ROC DEVICES

CHARACTERISTICS	BWT bestaqua 14 ROC	BWT bestaqua 16 ROC
Permeate capacity[1]	2 L/min = 120 L/h	3 L/min = 180 L/h
Salt rejection rate	> 97 %	> 97 %
Permeate yield[1,2,3] (WCF)	approx. 50 %	ca. 50 %
OPERATING CONDITIONS		
Feed water flow rate (min.)	4.2 L/min = 250 L/h	6.0 L/min = 360 L/h
Concentrate flow rate	approx. 2.0 L/min = 120 L/h	approx. 3.0 L/min = 180 L/h
Feed water pressure	0.15–0.4 MPa = 1.5–4 bar	0.15–0.4 MPa = 1.5–4 bar
Feed water temperature	5–30 °C	5–30 °C
Ambient air temperature	5–40 °C	5–40 °C
POWER		
Power supply	230 V/50 Hz, ≥ 6 A abgesichert	220–240 V/50–60 Hz
Protection class	IP 54	IP 54
Appliance fuse	1.25 A, träge	1.25 A, standard
Power consumption	200 W, Standby < 3 W	260 W, Standby < 2 W
Appliance connection	EC-60320 C13	IEC-320
IEC connection cable	1.8 m, CEE 7/4, IEC-60320 C13	1.8 m, CEE 7/4, IEC-60320 C13
INLETS AND OUTLETS		
Feed water	M ¾"	M ¾"
Permeate	John Guest 8 mm	John Guest 8 mm
Concentrate	John Guest 8 mm	John Guest 8 mm
DIMENSIONS AND WEIGHT		
Dimensions (W x D x H)	153 x 271 x 505 mm	158 × 337 × 531 mm
Weight	10.3 kg	15.95 kg
ORDER NUMBERS	**RS81M01A00**	**125255111**

FILTER CARTRIDGES

TECHNICAL DATA	BWT bestaqua 14 MEMBRANE	BWT bestaqua 16 MEMBRANE
Connection height in mm	424 mm	451 mm
Ø filter cartridge in mm	130 mm	147 mm
Weight, approx. (dry)	1.9 kg	2.72 kg
Weight, approx. (wet)	4.0 kg	5.74 kg
OPERATING CONDITIONS	**BWT bestaqua 14 MEMBRANE**	**BWT bestaqua 16 MEMBRANE**
Nominal flow rate (bypass closed)	120 L/h	180 L/h
Operating pressure	~7 bar	~8 bar
Inlet water pressure (min.)	>1 bar	>1 bar
Water temperature (min.–max.)	+4 bis +30 °C	+4 bis +30 °C
Ambient temperature (min.–max.)	+4 bis +40 °C	+4 bis +40 °C
Ambient temperature during storage/transport (min.–max.)	+4 bis +40 °C	+4 bis +40 °C
Installation position	Vertical	Vertical
ORDER NUMBERS	**RS00Y61A00**	**125258720**

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.

3) 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, eg. rinsing cycles.

Errors and omissions excepted, subject to change without notice.

BWT 231030UP

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