



## The remineralization duo

### Innovation for perfect water

BWT bestaqua ROC COFFEE system represents one of the most compact RO systems for optimizing water for best coffee quality in the cup. This robust reverse osmosis in combination with the BWT Magnesium technology ensures best water quality for the preparation of coffee and all kinds of hot drinks.

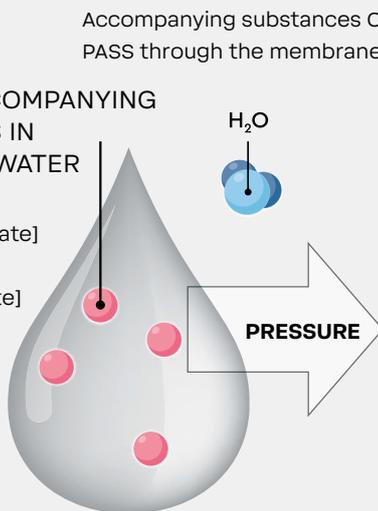
The visible sign of this new generation of appliances is the unique combination of reverse osmosis and the now legendary BWT magnesium technology – ensuring the removal of about all unwanted substances from the water and in parallel perfect mineralization for coffee with magnesium as a flavour carrier.

### HOW THE REVERSE OSMOSIS WORKS

#### RAW WATER

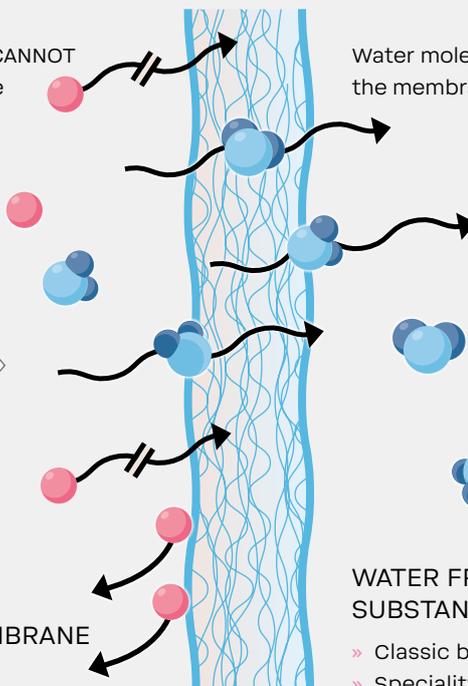
#### TYPICAL ACCOMPANYING SUBSTANCES IN UNTREATED WATER

- Limescale [calcium carbonate]
- Gypsum [calcium sulphate]
- Particles
- Calcium
- Magnesium
- Sodium
- Potassium
- Sulphate
- Carbonate
- Chloride
- Off-Flavours
- Chlorine
- etc.



CLEANING OF THE MEMBRANE (CONCENTRATE)

#### HIGH-PERFORMANCE MEMBRANE



#### PURE WATER (PERMEATE)

Water molecules PASS through the membrane (diffusion)

WATER FREE FROM ACCOMPANYING SUBSTANCES, PERFECT FOR

- » Classic brew coffee machines
- » Speciality coffee machines
- » Espresso machines

## TECHNICAL DATA ROC-SYSTEM, COMPLETE

KEY DATA	BWT bestaqua 14 ROC COFFEE
Permeate performance <sup>1</sup>	2 L/min = 120 L/h
Salt retention rate	> 97%
Permeate yield <sup>1,2,3</sup> (WCF)	approx. 50%
OPERATING CONDITIONS	
Min. feed water flow rate	4,2 L/min = 250 L/h
Concentrate flow rate	approx. 2,0 L/min = 120 L/h
Feed water pressure	0,15–0,4 MPa = 1,5–4 bar
Feed water temperature	5–30 °C
Ambient temperature	5–40 °C
POWER	
Power supply	220–240 V/ 50–60 Hz/ 10 A
Equipment fuse	T1.25AL250V
Power consumption	200 W, Standby < 3 W
Equipment connection	IEC-320
Cold appliance connection cable	1,8 m, CEE 7/4, IEC-60320 C13
Protection class	IP 21
FEED AND DRAINAGE LINES	
Feed water	M 3/4"
Permeate	M 3/8"
Concentrate	John Guest 8 mm
External tank	John Guest 8 mm
DIMENSIONS AND WEIGHT	
Dimensions (W x D x H)	277 x 297 x 505 mm
Weight (dry)	17,7 kg
ORDER NUMBER	
BWT bestaqua 14 ROC COFFEE	RS82M01A00

## TECHNICAL DATA FILTER CARTRIDGES

DIMENSIONS AND WEIGHT	BWT bestaqua 14 PREMIUM	BWT bestaqua 14 Membrane
Connection height in mm	424 mm	424 mm
Ø filter cartridge in mm	130 mm	130 mm
Weight, approx. (dry)	1,9 kg	1,9 kg
Weight, approx. (wet)	4,0 kg	4,0 kg
OPERATING CONDITIONS		
Nominal flow rate (bypass closed)	120 L/h	120 L/h
Operating pressure	2–8 bar	~7 bar
Inlet water pressure (min.)	>1,5 bar	>1,5 bar
Water temperature (min.–max.)	4–30 °C	4–30 °C
Ambient temperature (min.–max.)	4–40 °C	4–40 °C
Ambient temperature during storage/transport (min.–max.)	4–40 °C	4–40 °C
Installation position	Vertical	Vertical
Filter change after month	after 6 or 12*	after 12 or 24*
ORDER NUMBER	FS24P99A00	RS00Y61A00

### IMPORTANT!

The BWT bestaqua ROC COFFEE 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.

### \* Recommendation:

- Replace the filter cartridges regularly after 6 months, but at the latest after 12 months or when the filter capacity is reached.
- 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.

## FUNCTIONAL ELEMENTS

### HIGH-QUALITY ALUMINIUM CASING

- » Hygienic surface
- » Easy to clean
- » Sound insulated

### SENSOR AND CONTROL TECHNOLOGY

### BACK: INTEGRATED TANK

- » Secure availability of BWT coffee water
- » Always perfect Magnesium mineralized water

### SILICONE PADS AND FOLDING JOINT

- » Good stability of the base
- » Easy replacement of the membrane module and magnesium module



### VISUAL FUNCTION DISPLAY

### PUMP FOR CONSTANT PRESSURE

### MEMBRANE MODULE (RO) BWT BESTAQUA MEMBRANE

- » BWT high-performance membrane
- » Highly efficient, robust and durable

### MAGNESIUM MODULE BWT BESTAQUA PREMIUM

- » BWT magnesium technology
- » Ensures the QUALITY of the coffee water
- » Replaces calcium with magnesium
- » The entire coffee water is additionally optimized via activated carbon and an ultrafiltration membrane (log 6) perfectly optimized.

### SETTING AND CONTROL

- » Control of all the relevant operating parameters
- » Bluetooth-Interface



## ROC YOUR COFFEE

**FIX:** the desired mineral content

**GET:** unique BWT magnesium coffee water

**ENJOY:** your perfect coffee

## BWT BESTAQUA MEMBRANE - PERFORMANCE AT THE HIGHEST LEVEL

- » BWT high-performance membrane
- » Typical performance 120 L/h
- » Robust, durable, efficient

## BWT BESTAQUA PREMIUM – BWT MAGNESIUM TECHNOLOGY

- » BWT magnesium technology
- » Unique with magnesium for the perfect extraction
- » UF-membrane for the purest water, free from bacteria (log 6)
- » Typical capacity 6,000 L @ 150 µS/cm

MANUFACTURER: SALES:

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