BWT bestbarista COFFEE ROC

MAGNESIUM

The coffee master

Best water for masterful coffee

BWT bestbarista ROC COFFEE represents a completely new evolutionary step in water optimization for coffee and all kinds of hot drinks. This is the first system in the world to create the best water for coffee whilst remaining completely independent of local water quality.

Based on first step of reverse osmosis technology, virtually all minerals and unwanted substances are removed from local raw water. In a unique second step, the optimum minerals for the best extraction are added. In a carefully controlled process, both the quantity, and quality of minerals in the resulting, optimized water are fixed.
Focussing on Magnesium and Silicate, the unique combination of minerals ensures a consistent and globally identical quality of water for coffee.

The new E=mc² formula for coffee water by BWT water+more ensures constant quality for optimum extraction and reliable protection of coffee machine equipment.

E=mc² is the new worldwide formula for best water for coffee!

HOW THE REVERSE OSMOSIS WORKS

RAW WATER

HIGH-PERFORMANCE MEMBRANE

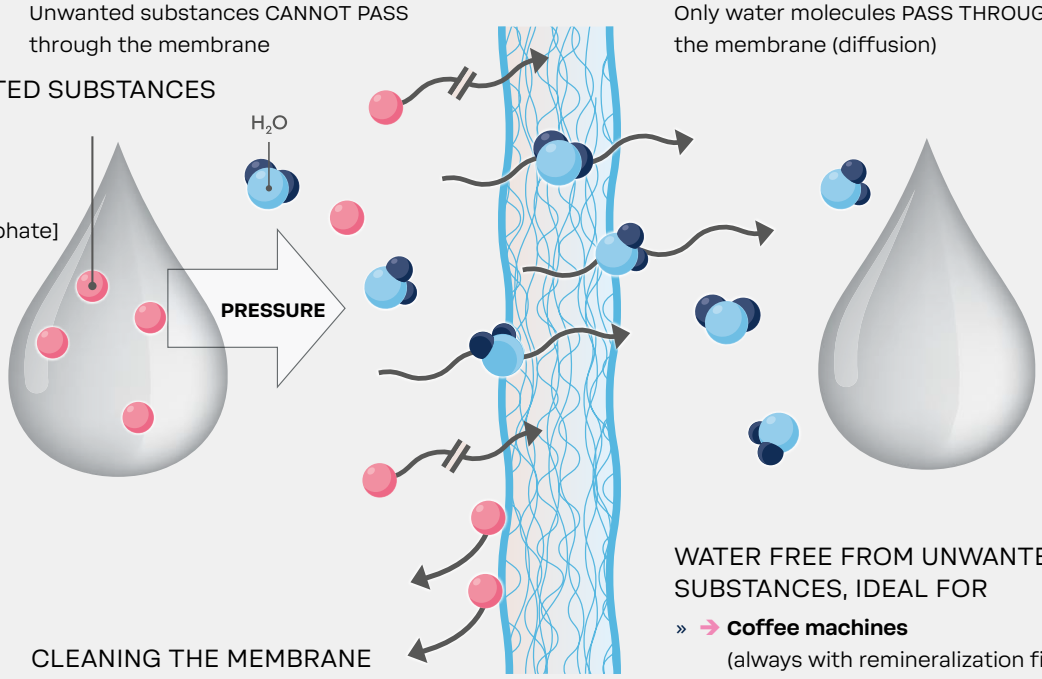
PURE WATER (PERMEATE)

Unwanted substances CANNOT PASS through the membrane

Only water molecules PASS THROUGH the membrane (diffusion)

TYPICAL UNWANTED SUBSTANCES IN RAW WATER

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



CLEANING THE MEMBRANE (CONCENTRATE)

WATER FREE FROM UNWANTED SUBSTANCES, IDEAL FOR

» → **Coffee machines**
(always with remineralization filters from BWT water+more)

bwt-wam.com

BWT water + more

BWT bestbarista COFFEE ROC

TECHNICAL DATA ROC-SYSTEM, COMPLETE

KEY DATA	BWT bestbarista 14 ROC COFFEE
Permeate performance[1]	2 L/min = 120 L/h
Salt retention rate	> 97 %
Permeate yield [1,2,3] (WCF)	approx. 50 %
OPERATING CONDITIONS	
Min. feed water flow rate	min. 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-320
Protection class	IP 21
FEED AND DRAINAGE LINES	
Feed water	M ¾"
Permeate	M ⅜"
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 bestbarista 14 ROC COFFEE	125632136

TECHNICAL DATA FILTER CARTRIDGES

DIMENSIONS AND WEIGHT	BWT bestbarista 14 Coffee	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	**125632138**	**RS00Y61A00**

IMPORTANT!

The BWT bestbarista ROC COFFEE may only be supplied with cold water of drinking quality.
WCF: Water Conversion Factor I EC: electrical conductivity I 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 optimal uniform mineralization, with focus on magnesium and silicate

SILICONE PADS AND FOLDING JOINT
- Good stability of the base
- Easy replacement of the membrane module and BWT bestbarista Coffee

VISUAL FUNCTION DISPLAY

PUMP FOR CONSTANT PRESSURE

MEMBRANE MODULE (RO)
BWT BESTAQUA MEMBRANE
- BWT high-performance membrane
- Highly efficient, robust and durable

BWT BESTBARISTA COFFEE
- Worldwide innovative mineralization
- with magnesium and silicate, and other salts
- Based on completely demineralized water

SETTING AND CONTROL
- Control of all the relevant operating parameters
- Bluetooth-Interface

MAGNESIUM

ROC YOUR WATER

REMOVE:
all disolved salts

GET:
remineralized water with defined quanity and quality

ENJOY:
your perfect coffee worldwide

BWT BESTAQUA MEMBRANE - PERFORMANCE AT THE HIGHEST LEVEL

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

BWT BESTBARISTA COFFEE

- unique mineralization worldwide
- independent of local raw water quality
- typical capacity > 2.000 L

MANUFACTURER:

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BWT water + more

10/2024