

The reverse osmosis system BO-RO-50/EM with stainless steel housing is a high-quality product of the REOS brand® of BOGA GmbH. It is used for the fully automatic production of demineralised water from drinking water for different purposes, for example for air humidification systems.

Specification

- One-stage reverse osmosis system with a nominal permeate output of 50 l/h
- Integrated in the stainless steel housing
- Membrane type: spiral-wound module, polyamide/polysulphone TFC
- PLC controller with LCD display
 - Digital display for the pressure of drinking water, operation and permeate storage,
 - Digital display for the passage of permeate, concentrate and the circulation
 - Digital display for the active hours of operation
 - Special interface for the external USB PC connection via an optional connection cable and software for programming and querying of the RO system
- Integrated permeate storage tank
- Pressure booster pump
- Permeate pump
- Automatic permeate discarding
- Automatic membrane flushing by permeate water
- Dry-running protection
- Digital conductivity meter with freely configurable limit value and potential-free alarm output

Technical data

Nominal permeate output*	50	l/h
Ratio: permeate - concentrate *	approx. 1:1	at 10 ° dH
	approx. 1:0.33	at 0 ° dH
Stainless steel permeate storage tank*	20	l
Salt retention rate*	95...97	%
Load of potential-free output - load resistance	10	A

* at max. 500 µS/cm = 320 ppm TDS, 4 bar min, min 15 ° C, no counter-pressure

* Effective volume 30 l at 6 bar

Dimensions

Reverse osmosis system – height x width x depth	810 x 295 x 600	mm
Water supply drinking water	¾" external thread	
Water connection permeate	¾" external thread	
Water connection concentrate	¾" external thread	
Weight (dry)	45	kg

Conditions of use

Max. salinity of drinking water	3000 (1,920)	µS/cm (ppm TDS)
Min. drinking water pressure	1	bar
Max. drinking water pressure	4	bar
Drinking water temperature	4...30	°C
Filtered drinking water	5	µ
Total hardness of drinking water	0...20	° dH
Ambient humidity	0...90	% RH
Max. free chlorines	0.1	mg / l

Scope of delivery

- BO-RO-50/EM one-stage reverse osmosis system in stainless steel housing
- Installation and operating instructions

Product specification

Brand	REOS®
Model	BO-RO-50/EM
Item no.	8004050



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