

HA-RO clipra 100 EDI Reverse-Osmosis-System



Item Number: 10109703

Technical Informations



- Ready-to-connect reverse osmosis system for the desalination of softened or hardness-stabilized drinking water in accordance with the German Drinking Water Ordinance
- Compact pure water treatment system as an under-counter unit
- installed in a 120 cm wide base cabinet with a free choice of make
- rollable
- incl. base 100 mm and internal stainless steel collection tray
- Worktop on request
- W x D x H: 1200 x 570 x 860 mm

Technical Data

Type	HA-ROclipra100EDI
Product Water	
Expansion Stage	HA-RO 100
Permeate Performance:	100 l/h (to 15 °C)
Diluate Performance:	80 l/h (to 15 °C)

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Hydraulic Connection	
Feed Water	Drinking Water, acc.to EU directive 98/83/EG
Free Chlorine	< 0,01 mg/l
Mangese Content	< 0,05 mg/l
Iron Content	< 0,05 mg/l
Colloid Index	< 3
pH-Range	4 - 11
Raw Water Pressure	4,0 - 6,0 bar
Raw Water Temperature	5 - 25 °C
Raw Water Input	20 DN AG
Dionized Water Output	20 DN AG
Sewage	50 DN
Dimensions	
Height	865 mm
Width	1200 mm
Depth	570 mm
Weight (without Water)	140 kg
Sound Pressure Level	< 70 dB (A)
Location	Ambient Temperature 5 – 30 °C
Electrical Connection	
Nominal Voltage	230 V
Nominal Current	4,4 A
Frequency	50 Hz
Nominal Power	800 W
Backup-Fuse	16 A
IP Protection	IP 44
Protection Class	1

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Equipment

system separator

cabinet individual softening cap. 16,

pre-filtration (activated carbon combination filter cartridge 5 µm 10" with 2 manometers)

soft water sampling tap

soft water solenoid valve

safety pressure switch raw water 0.5 bar

reverse osmosis system

- 1 membrane element including pressure pipe
- Output permeate: 100ltr/h at 15°C
- Membrane retention rate 99% salts, >99% germs, bacteria
- WCF rate adjustable up to 75%

2 flow meter permeate, concentrate

working pressure gauge

conductivity measurement permeate

Electrodeionization

- Output diluate: approx. 80ltr/h
- typ. conductivity in µS/cm: <1
- TOC value in ppb: < 30
- Bacteria content in CFU/ml: < 1

Diluate conductivity measurement with sampling tap

membrane expansion tank including pressure gauge

complete piping, tubing and wiring

internal sewage piping

control cabinet with microprocessor control and two-line text display

- 12 digital inputs (e.g. hardness measurement, pump fault, inlet pressure, flow rate, external release)
- 8 digital outputs (e.g. pumps, solenoid valves, collective error message)
- 1 internal field bus (communication with conductivity transmitters)