

ML RO 1000

TECHNICAL DATA

TD098GB-01	08-12-14	JLJ/KK
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Reverse osmosis system for elimination (> 95 %) of salts and minerals from main water with a capacity of 1000 l/h.

The system is developed by Condair A/S with focus on reliable and hygienically correct solutions. The system applies a membrane separation process whereby water molecules may pass through the membrane, while the majority of salts and minerals are retained.

The system is fitted on a frame with a separate reservoir tank and all components are assembled, tested, and ready to use.



ML RO 1000 front view

ML RO 1000 is equipped with the following components:

Standard:

- PLC control
- Separate pump provides 4 bar output pressure
- Reservoir tank closed with 0.2 µm breathing filter
- Overflow protection
- Type approved water meter for produced permeate
- 5 µm filtration of the tap water
- Pressure switch for protection of pump
- Operational hour meter
- Stopcock for RO water

Options:

- Water softener
- Active carbon filter
- UV system for sterilization of water
- Conductivity meter/alarm
- Dosage unit for regulation of hardness

Benefits:

- Delivered on frame and with separate reservoir tank
- Fully assembled and tested
- All components exposed to water are made of corrosion resistant material
- The hoses are stainless steel braided or high-pressure hoses

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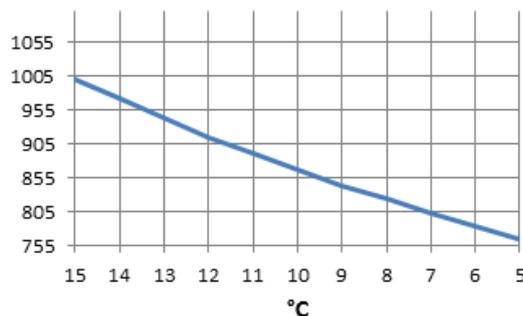
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Specifications:

Capacity*:	1000 l/h at 15 °C
Permeate quality:	5 < EC < 30 µS/cm
Permeate/Concentrate ratio:	approx. 75 / 25 %
Reservoir tank:	500 l
Size, frame:	1400 x 700 x 1600 mm (L x W x H)
Size, reservoir tank:	790 x 790 x 1400 mm (L x W x H)
Weight, pump station:	270 kg
Weight, tank:	39 kg
Sound pressure level:	< 80 dB
Supply voltage:	3x400 VAC+GND+N, 50Hz, 3,1KW, 16A or 3x230 VAC+GND+N, 50Hz, 3,2KW, 16A or 3x208 VAC+GND+N, 60Hz, 2,6KW, 16A
Dissolved salt removal:	> 95 %
Water connection, tap water:	G 3/4" (ISO 228) or hose connector
Water connection, RO-water:	G 3/4" (ISO 228) or hose connector
Water connection, drainage:	G 3/4" (ISO 228) or hose connector
Outgoing pressure, RO-water:	3.0-5.0 bars

* Capacity may vary depending on the quality of the tap water and decreases by approx. 3 % per decrease in °C of the temperature of the water.

L/H RO 1000



Preconditions:

Water supply:	Drinking Water Quality 2.5-7 bar @1400 l/h
Hardness:	max. 1 °dH
Conductivity:	250-1000 µS/cm, (100-1000 µS/cm with special membrane)
Free chlorine:	max. 0.05 mg/l
TDS:	max. 625 mg/l
Silt index:	max. 3
KMnO ₄ :	max. 10 mg/l
Fe:	max. 0.2 mg/l
Mn:	max. 0.05 mg/l
NTU:	max. 1.0
Temperature:	max. 15 °C