

ML RO 500, ML RO 800

TECHNICAL DATA

TD099GB-01

02-12-14

JLJ/KK

Reverse osmosis system for elimination (> 95 %) of salts and minerals from main water with a capacity of 500 l/h and 750 l/h respectively.

The systems are 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.

They are fitted on frames with a separate reservoir tanks and all components are assembled, tested, and ready to use.



ML RO 500 front view

ML RO 500 and ML RO 800 are 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
- Dosage unit for regulation hardness
- Conductivity meter/alarm

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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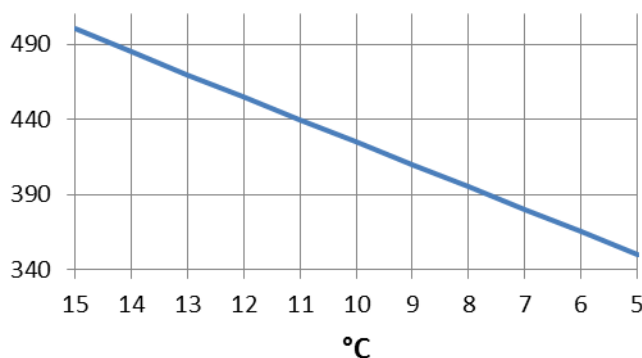
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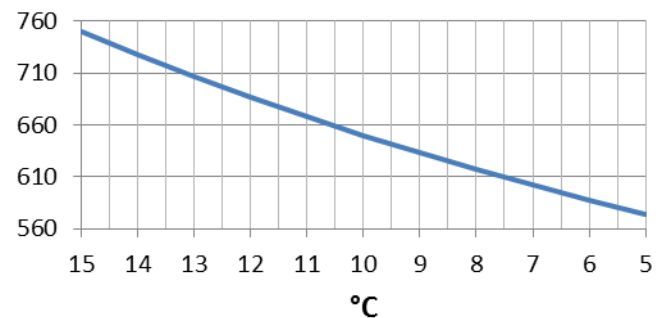
Specifications:	ML RO 500:	ML RO 800:
Capacity*:	500 l/h at 15 °C	750 l/h at 15 °C
Permeate quality:	5 < EC < 30 µS/cm	5 < EC < 30 µS/cm
Permeate/Concentrate ratio:	approx. 75 / 25 %	approx. 75 / 25 %
Reservoir tank:	200 l	500 l
Size, frame:	(LxWxH) 860 x 700 x 1600 mm	(LxWxH) 860 x 700 x 1600 mm
Size, reservoir tank:	(LxWxH) 600 x 600 x 1540 mm	(LxWxH) 790 x 790 x 1400 mm
Weight:	220 kg	250 kg
Sound pressure level:	< 80 dB	< 80 dB
Supply voltage:	3x400 VAC+GND+N, 50Hz, 2,1KW, 16A or 3x230 VAC+GND+N, 50Hz, 2,1KW, 16A or 3x208 VAC+GND+N, 60Hz, 1,8KW, 16A	3x400 VAC+GND+N, 50Hz, 2,1KW, 16A or 3x230 VAC+GND+N, 50Hz, 2,1KW, 16A or 3x208 VAC+GND+N, 60Hz, 1,8KW, 16A
Dissolved salt removal:	> 95 %	> 95 %
Water connection, tap water:	3/4" RG	3/4" RG
Water connection, RO-water:	3/4" RG	3/4" RG
Water connection, drainage:	3/4" RG	3/4" RG
Outgoing pressure, RO-water:	3.0-4.2 bar	3.0-4.2 bar

* 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 500**



L/H **RO 800**



Forudsætninger:	ML RO 500	ML RO 800
Water supply:	Drinking water quality, 2.5-7 bar @700 l/h	Drinking water quality, 2.5-7 bar @1100 l/h
Hardness:	max. 1 °dH	max. 1 °dH
Conductivity:	250-1000 µS/cm	250-1000 µS/cm
Free chlorine:	max. 0.1 mg/l	max. 0.1 mg/l
TDS:	max. 625 mg/l	max. 625 mg/l
Silt index:	max. 3	max. 3
KMnO ₄ :	max. 10 mg/l	max. 10 mg/l
Fe:	max. 0.2 mg/l	max. 0.2 mg/l
Mn:	max. 0.05 mg/l	max. 0.05 mg/l
NTU:	max. 1.0	max. 1.0
Temperature:	max. 15 °C	max. 15 °C