

ML RO 1500

TECHNICAL DATA

TD118GB-00	01-07-08	MLK/KK
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Reverse osmosis system for elimination (>95%) of salts and minerals from main water with a capacity of 1500 l/h.

The system is developed by ML System 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 stainless steel frame with a separate reservoir tank and all components are assembled, tested, and ready to use.



ML RO 1500 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

Benefits:

- Compact unit
- Delivered on stainless steel 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

Options:

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

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Specifications:

Capacity:*	1500 l/h at 15 °C, TDS < 1000 mg/l
Permeate quality:	5 < EC < 30 µS/cm
Permeate/Concentrate ratio:	appr. 75 / 25 %
Reservoir tank:	500 l
Size, frame:	1400 x 700 x 1570 mm (L x W x H)
Size, reservoir tank:	790 x 790 x 1250 mm (L x W x H)
Weight:	320 kg
Sound pressure level:	< 75 dB
Supply voltage:	3 phase 230 or 400 VAC, 10 A, 50 Hz
Dissolved salt removal:	> 95 %
Water connection, tap water:	3/4" RG
Water connection, RO-water:	3/4" RG
Water connection, drainage:	3/4" RG
Outgoing pressure, RO-water:	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.

Preconditions:

Water supply:	Drinking Water Quality, 3-7 bar @2100 l/h, 250-1000 µS/cm.
Silt index:	max. 3
KMnO ₄ :	max. 10 mg/l
NTU:	max. 1,0
Temperature:	max. 15 °C
TDS:	max. 1000 mg/l
Fe:	max. 0,05 mg/l
Free chlorine:	max. 0,05 mg/l
Hardness:	max. 1 °dH