

LENNTECH MO2 8" REVERSE OSMOSIS SYSTEM

APPLICATIONS

Process water, rinse water, steam boilers, heating and cooling circuits, agriculture, desalination, food and beverage, utility water treatment.

EQUIPMENT:

- Grundfos® CR 5-20 high pressure pump...1 pcs
- 8040 membrane vessel.....2 pcs
- BB20 sediment prefilter.....2 pcs
- Motorized valves.....2 pcs
(feed water in, flush out)
- Balancing valves.....2 pcs
(concentrate reject, concentrate recycle)
- Electrical cabinet with Ecosoft controller...1 set
- Piping, instrumentation, steel frame.....1 set

OPTIONS

- Filmtec™ XLE-440 / ECO PRO-440
- Dosing pump for antiscalant or other RO chemicals
- Permeate inlet for permeate membrane rinse
- Raw water mixing line



LennTech reserves the right to amend the product's system architecture provided that its functionality and usability will not deteriorate

CONNECTION PORT SIZES:

Influent water.....G 1½"
 Permeate.....G 1"
 Concentrate.....G 1½"
 CIP inlet.....G 1½"
 CIP return.....G 1½"
 CIP permeate.....G ½"
 Antiscalant dosing port.....G ½"

PHYSICAL PARAMETERS:

Approximate dimensions (bare).....1.90 × 1.10 × 1.95 m
 (Width × Depth × Height, ±5%)
 Approximate dimensions (crated).....2.10 × 1.20 × 2.22 m
 (Width × Depth × Height, ±5%)
 Approximate weight (bare).....300 kg
 Approximate weight (crated).....390 kg

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Code	Product	Flow capacity, m³/h (GPH)	Membranes**
MO2TP5	MO2 RO System	2–2.5 (530–660)	2/80 x 40

** Membranes are not included

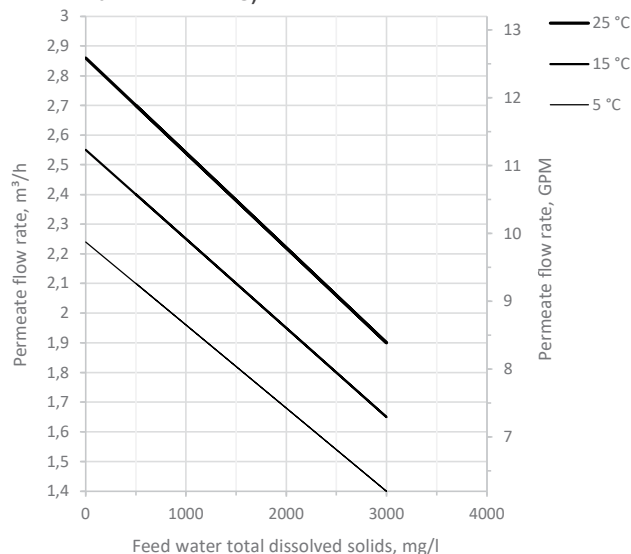
TECHNICAL SPECIFICATION

Permeate capacity ¹	2 m³/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	2.7...4 m³/h (service) 10 m³/h (rinse)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	380...400 V, 50 Hz (3 ph)
Electrical power	3 kW
Prefilter rating	5 µm

¹ depends on feed water TDS, temperature, and permeate recovery
— see graph on the right

² for low scaling/fouling water

Lenntech MO2 RO FLOW CAPACITY GRAPH (WITH XLE-440 MEMBRANES)



Permeate flow rates are calculated under the following conditions:
 • 2 bar influent water pressure
 • 0 bar backpressure in the permeate line
 • fresh membranes
 • XLE-440 membrane

PIPES AND INSTRUMENTS DIAGRAM

