

ECOSOFT INOX MO9 IoT 8" REVERSE OSMOSIS SYSTEM

APPLICATIONS

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



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

EQUIPMENT:

- Grundfos® CR 15-9 high pressure pump.....1 pcs
- 8040-3 membrane housing.....3 pcs
- BB20 sediment prefilter.....5 pcs
- Motorized valves.....2 pcs
(feed water in, flush out)
- Balancing valves.....2 pcs
(concentrate reject, concentrate recycle)
- Electrical panel with Ecosoft controller OC6000...1 set
- Set of instruments.....1 set
- **AISI 316 Stainless steel high pressure line**.....1 set
- **AISI 304 Stainless steel frame**.....1 set
- **Frame mounted casters**.....1 set

OPTIONS

- Filmtec™ XLE-440 / ECO PRO-440 or Ecosoft ELP-8040 membranes
- Dosing pump for antiscalant or other RO chemicals
- Permeate inlet for permeate membrane rinse
- Raw water mixing line

CONNECTION PORT SIZES:

Influent water.....	G 2"
Permeate.....	G 1½"
Concentrate.....	G 2"
CIP inlet.....	G 1½"
CIP return.....	G 1½"
CIP permeate.....	G 1"
Antiscalant dosing port.....	G ½"

PHYSICAL PARAMETERS:

Approximate dimensions (bare).....	3.90 × 1.20 × 1.95 m (Width × Depth × Height, ±5%)
Approximate dimensions (crated).....	4.10 × 1.37 × 2.24 m (Width × Depth × Height, ±5%)
Approximate weight (bare).....	600 kg
Approximate weight (crated).....	920 kg

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Code	Product	Flow capacity, m³/h (GPH)	Membranes**
MO9T16	Ecosoft INOX MO9 IoT RO System	9–12 (2 400–3 200)	9/80 x 40

** Membranes are not included

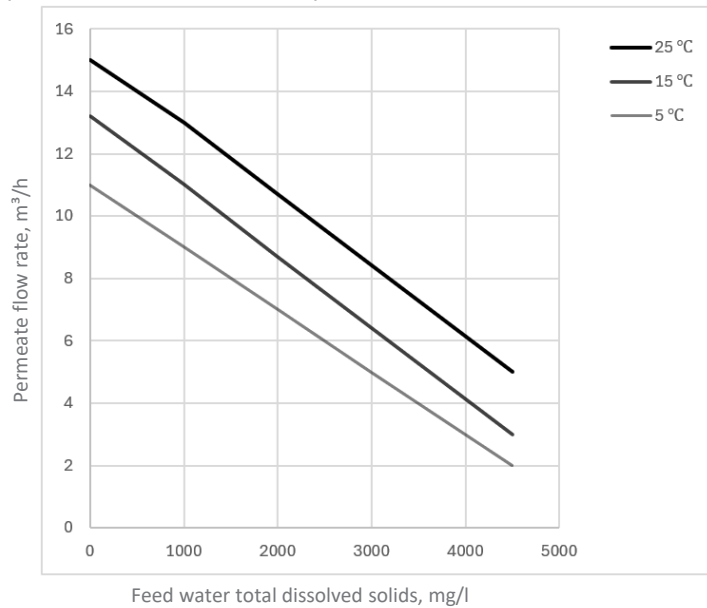
TECHNICAL SPECIFICATION

Permeate capacity ¹	9 m ³ /h
Permeate recovery ²	75%
Maximum TDS	4500 mg/L
Influent flow demand	12...16 m ³ /h (service) 20 m ³ /h (rinse)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	380...400 V, 50 Hz (3 ph)
Electrical power	7.5 kW
Pre-filter rating	5 μm

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

² for low scaling/fouling water

ECOSOFT MO9 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

