

ECOSOFT INOX MO6 IoT 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 15-9 high pressure pump.....1 pcs
- 8040-2 membrane housing.....3 pcs
- BB20 sediment prefilter.....4 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



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

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)..... | 2.90 × 1.20 × 1.95 m (Width × Depth × Height, ±5%) |
| Approximate dimensions (crated)..... | 3.05 × 1.37 × 2.24 m (Width × Depth × Height, ±5%) |
| Approximate weight (bare)..... | 560 kg |
| Approximate weight (crated)..... | 720 kg |

ECOSOFT INOX MO6 IoT 8" REVERSE OSMOSIS SYSTEM

| Code | Product | Flow capacity, m³/h (GPH) | Membranes** |
|--------|--------------------------------|------------------------------|-------------|
| MO6T16 | Ecosoft INOX MO6 IoT RO System | 6–8 (1 600–2 100) | 6/80 x 40 |

** Membranes are not included

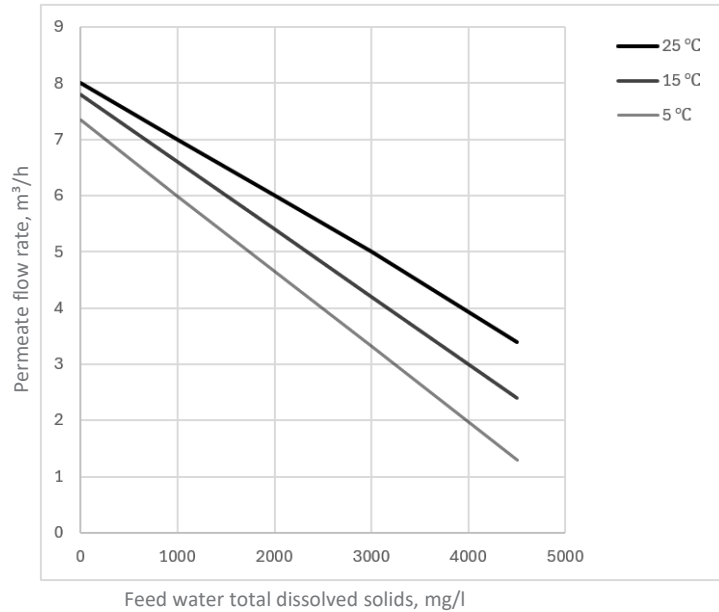
TECHNICAL SPECIFICATION

| | |
|--------------------------------|--|
| Permeate capacity ¹ | 6 m ³ /h |
| Permeate recovery ² | 75% |
| Maximum TDS | 4500 mg/L |
| Influent flow demand | 8...12 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 |
| 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

ECOSOFT MO6 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

