

ECOSOFT INOX MO3 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 10-12 high pressure pump..... 1 pcs
- 8040 membrane housing..... 3 pcs
- BB20 sediment prefilter..... 3 pcs
- Motorized valves..... 2 pcs
(feed water in, flush out)
- Balancing valves..... 2 pcs
(concentrate reject, concentrate recycle)
- Electrical panel with Ecosoft controller OC5000... 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



Ecosoft 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)..... | 340 kg |
| Approximate weight (crated)..... | 430 kg |

ECOSOFT INOX MO3 8" REVERSE OSMOSIS SYSTEM

| Code | Product | Flow capacity, m³/h (GPH) | Membranes** |
|--------|----------------------------|------------------------------|-------------|
| MO3TI5 | Ecosoft INOX MO3 RO System | 3-4 (800-1 060) | 3/80 x 40 |

** Membranes are not included

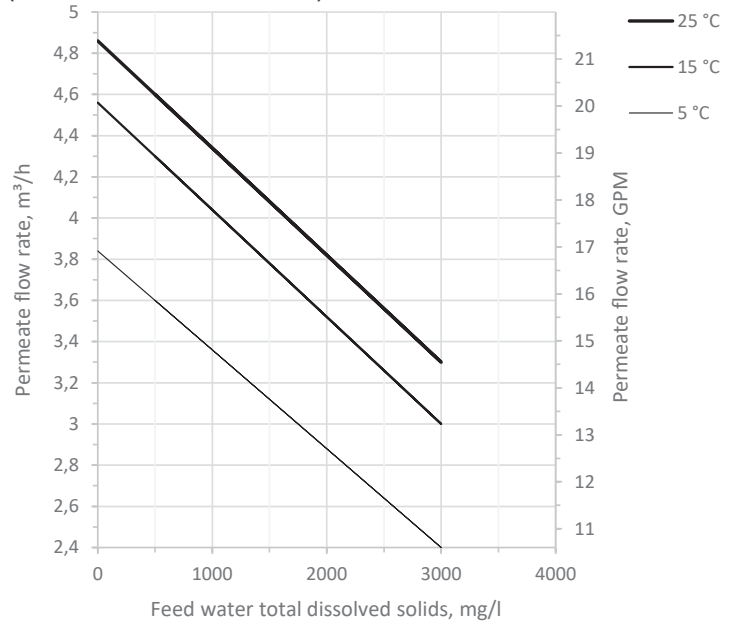
TECHNICAL SPECIFICATION

| | |
|--------------------------------|---|
| Permeate capacity ¹ | 3 m ³ /h |
| Permeate recovery ² | 75% |
| Maximum TDS | 3000 mg/L |
| Influent flow demand | 4...6 m ³ /h (service) 10 m ³ /h (rinse) |
| Operating pressure | 8...12 bar |
| Maximum pressure | 14 bar |
| Electrical requirements | 380...400 V, 50 Hz (3 ph) |
| Electrical power | 4 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 MO3 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

