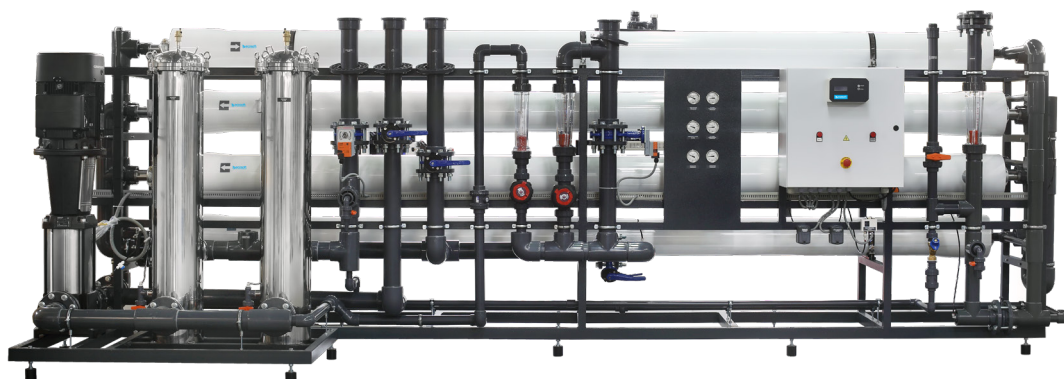


ECOSOFT MO24 8" REVERSE OSMOSIS SYSTEM

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 45-4 high pressure pump.....1 pcs
- 8040-4 membrane housing.....6 pcs
- Stainless steel housing with 7 PP 2,5 × 40" filters..2 pcs
- Motorized butterfly 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.....1 set
- Steel frame.....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.....	DN80 (flange)
Permeate.....	DN65 (flange)
Concentrate.....	DN80 (flange)
CIP inlet.....	DN65 (flange)
CIP return.....	DN65 (flange)
CIP permeate.....	DN40 (G 1½")

PHYSICAL PARAMETERS:

Approximate dimensions (installed).....	5.50 × 1.60 × 2.40 m (Width × Depth × Height, ±5%)
Approximate weight (bare).....	1100 kg
Approximate weight (crated).....	1500 kg

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Code	Product	Flow capacity, m ³ /h (GPH)	Membranes**
MO24TP5	Ecosoft MO24 RO System	24–28 (6 400–7 400)	24/80 x 40

** Membranes are not included

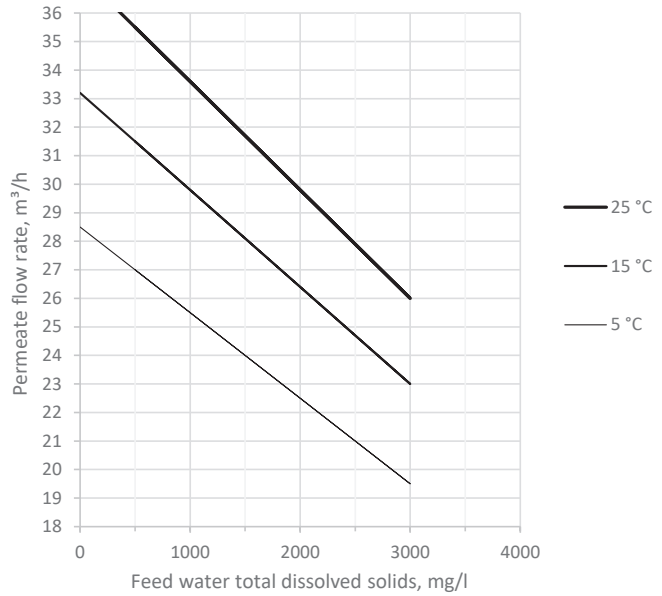
TECHNICAL SPECIFICATION

Permeate capacity ¹	24 m ³ /h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	30...40 m ³ /h
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	380...400 V, 50 Hz (3 ph)
Electrical power	18.5 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 MO24 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

