

ECOSOFT MO48 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 64-4 high pressure pump.....1 pcs
- 8040-6 membrane housing.....8 pcs
- Stainless steel housing with 7 PP 2,5 × 40" filters, 2 pcs
- Motorized butterfly valves.....2 pcs
- Balancing valves.....2 pcs
- Electrical cabinet with Ecosoft controller.....1 set
- Piping, instrumentation.....1 set
- Steel frame.....1 set

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

CIP unit does not included to the system

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.....	DN100 (flange)
Permeate.....	DN100 (flange)
Concentrate.....	DN100 (flange)
CIP inlet.....	DN80 (flange)
CIP return.....	DN80 (flange)

PHYSICAL PARAMETERS:

Approximate dimensions (installed).....	7.00 × 2.40 × 2.50 m (Width × Depth × Height, ±5%)
Approximate weight (bare).....	1900 kg
Approximate weight (crated).....	2400 kg

ECOSOFT MO48 8" REVERSE OSMOSIS SYSTEM

Code	Product	Flow capacity, m ³ /h (GPH)	Membranes**
MO48TP5	Ecosoft MO48 RO System	48–56 (12 700–14 800)	48/80 x 40

** Membranes are not included

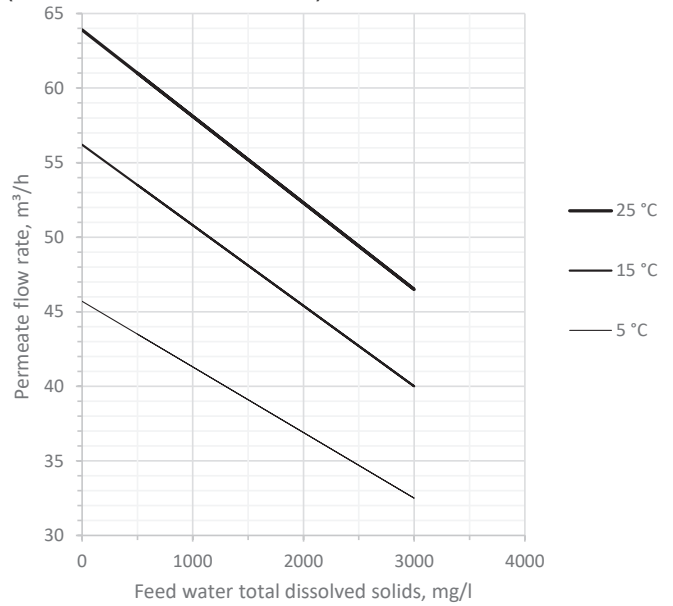
TECHNICAL SPECIFICATION

Permeate capacity ¹	48 m ³ /h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	65...80 m ³ /h
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	380...400 V, 50 Hz (3 ph)
Electrical power	22 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 MO48 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

