ECOSOFT MO12000
4" REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER

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® CRN 1-36 high pressure pump
- 450 psi membrane housing
- Ecosoft controller OC6000
- Purified water conductivity probe
- Electrical inlet valve
- Regulating needle valves
- AISI 304 Stainless steel frame
- AISI 316 Stainless steel piping
- Wooden crate

OPTION

- High rejection Filmtec™ membranes

CONNECTION PORT SIZES	
Influent water Permeate Concentrate	G ½" G ½" G ½"
Antiscalant dosing port	G ½"
Approximate weight	
Bare system	110 kg
Crated system	140 kg
Dimensions (Width × Depth × Height) *Dimensions may vary ± 5%*	
Bare system	0.63 × 0.35 × 1.71 m
Crated system	0.76 × 0.49 × 1.92 m

ECOSOFT MO12000 4" REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER

Code	Product	Flow capacity, L/h (GPH)	Membranes
MO12000BI6	Ecosoft MO12000 BWRO System	400–600 (100–150)	2/40 x 40

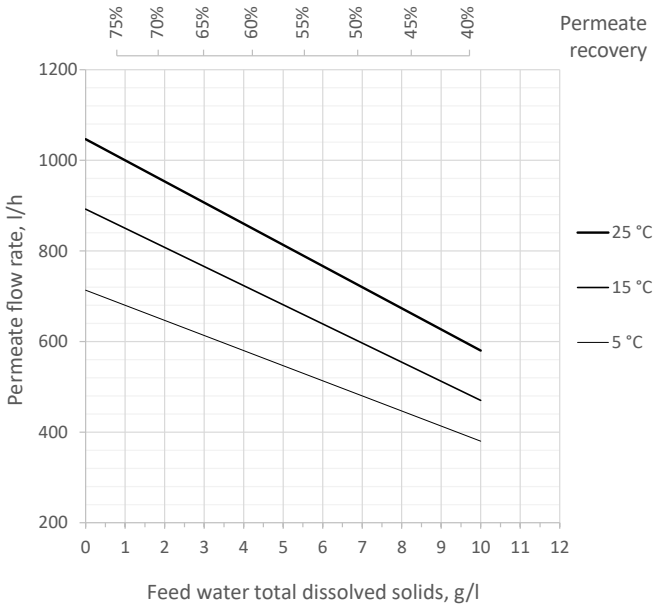
TECHNICAL SPECIFICATION

Permeate capacity [1]	**500 L/h**
Permeate recovery [2]	**depends on feed water TDS**
Maximum TDS	**10 000 mg/L (10 g/L)**
Influent flow demand	800…1600 L/h (service)
	2000…3000 L/h (rinse)
Operating pressure	15…20 bar
Maximum pressure	25 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	2.2 kW

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

[2] for low scaling/fouling water

ECOSOFT MO12000 RO FLOW CAPACITY GRAPH (WITH LCLE-4040 MEMBRANES)



Permeate flow rates are calculated under the following conditions:
- 2 bar influent water pressure
- 0 bar backpressure in the permeate line
- fresh membranes

PIPES AND INSTRUMENTS DIAGRAM