

# ECOSOFT MO6500 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.

## 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™ membrane

## CONNECTION PORT SIZES

Influent water	G 1/2"
Permeate	G 1/2"
Concentrate	G 1/2"

Antiscalant dosing port	G 1/2"
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## Approximate weight

Bare system	100 kg
Crated system	130 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 reserves the right to amend the product's system architecture provided that its functionality and usability will not deteriorate*

## ECOSOFT MO6500 4" REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER

Code	Product	Flow capacity, L/h (GPH)	Membranes
MO6500BI6	Ecosoft MO6500 BWRO System	200–300 (50–75)	1/40 x 40

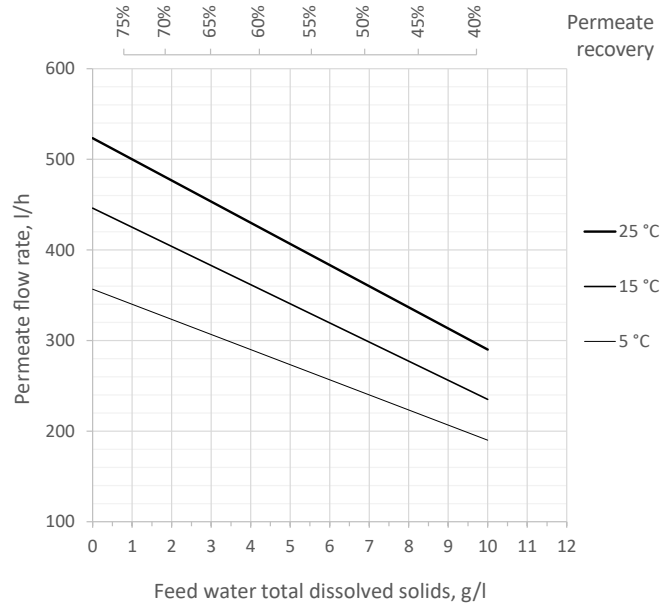
### TECHNICAL SPECIFICATION

Permeate capacity <sup>1</sup>	250 L/h
Permeate recovery <sup>2</sup>	depends on feed water TDS
Maximum TDS	10 000 mg/L (10 g/L)
Influent flow demand	400...800 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

<sup>1</sup> depends on feed water TDS, temperature, and permeate recovery — see graph on the right

<sup>2</sup> for low scaling/fouling water

### ECOSOFT MO6500 INOX RO FLOW CAPACITY GRAPH (WITH LCLE-4040 MEMBRANE)



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

