

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 1-30 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

OPTION

- High rejection Dupont Filmtec™ membrane: LC LE PRO-4040
- High rejection LG™ membrane: LG BW 4040 ES

TECHNICAL SPECIFICATION

Permeate capacity ¹	250 L/h
Permeate recovery ²	depends on feed water TDS
Maximum TDS	10 000 mg/L (10 g/L)
Influent flow demand	400...800 L/h (service)
Operating pressure	15...20 bar
Maximum pressure	25 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	1.6 kW

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

² for low scaling/fouling water



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 ¾"
Permeate	G ½"
Concentrate	G ½"

Approximate weight

Bare system	100 kg
Crated system	130 kg
Dimensions (Width × Depth × Height) **	
Bare system	490 × 340 × 1625 mm
Crated system	500 × 400 × 1750 mm

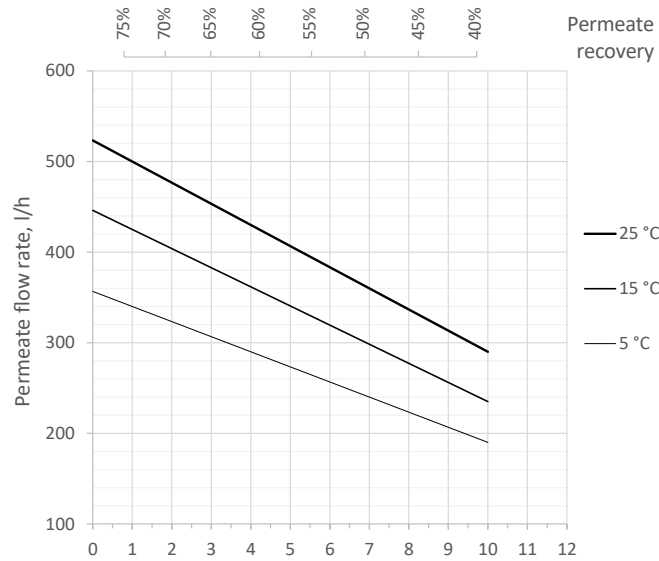
ECOSOFT MO6500 4" REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER

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

* the system is shipped without a membrane

** dimensions may vary ± 5%

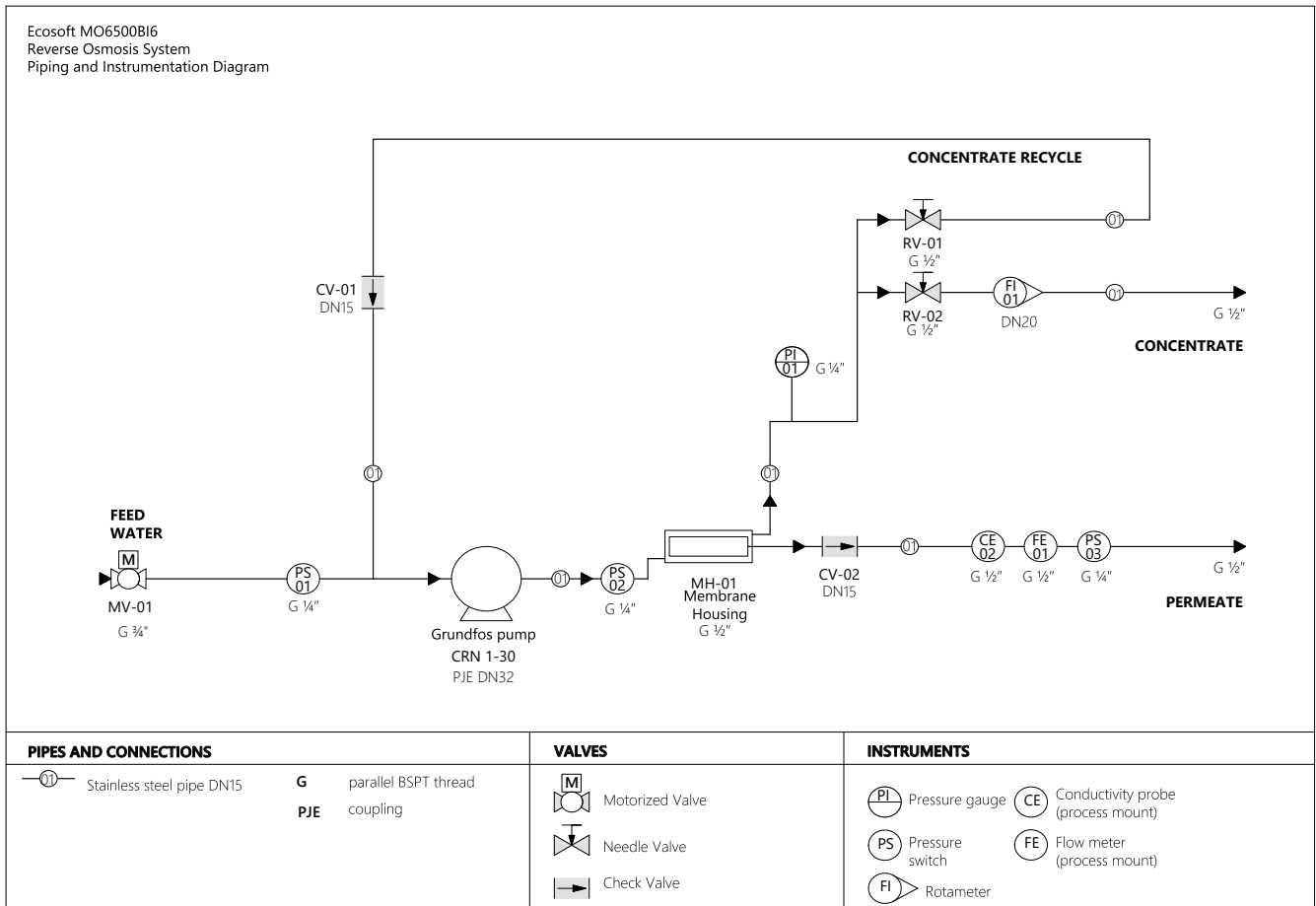
ECOSOFT MO6500 INOX RO FLOW CAPACITY GRAPH (WITH LCLE-4040 MEMBRANE)



Permeate flow rates are calculated under the following conditions:

- 4 bar influent water pressure
- 0 bar backpressure in the permeate line
- fresh membranes

PIPES AND INSTRUMENTS DIAGRAM



SYSTEM DIMENSIONS



Figure 3.1 Dimensions of bare system

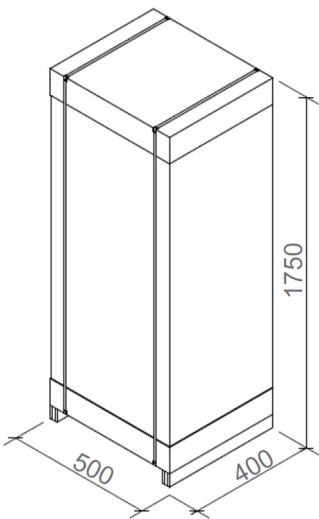


Figure 3.2 Dimensions of crate

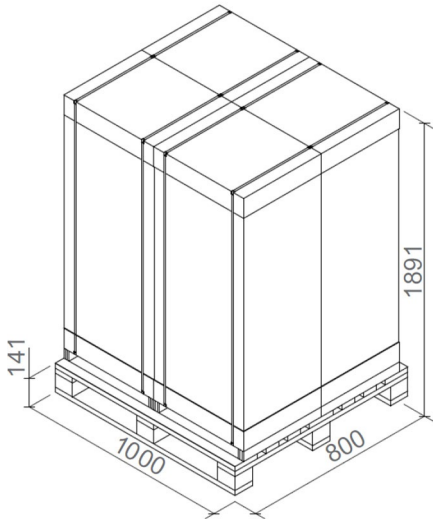


Figure 3.3 Dimensions on pallet