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

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

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

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

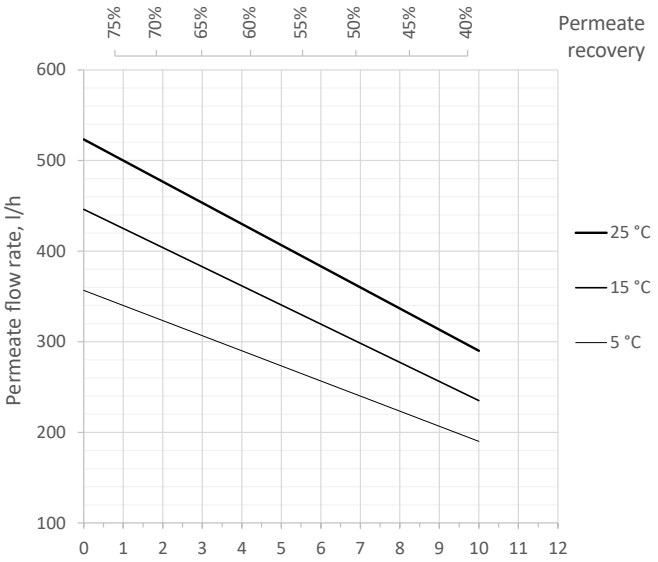
ECOSOFT MO6500 4" REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER

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%

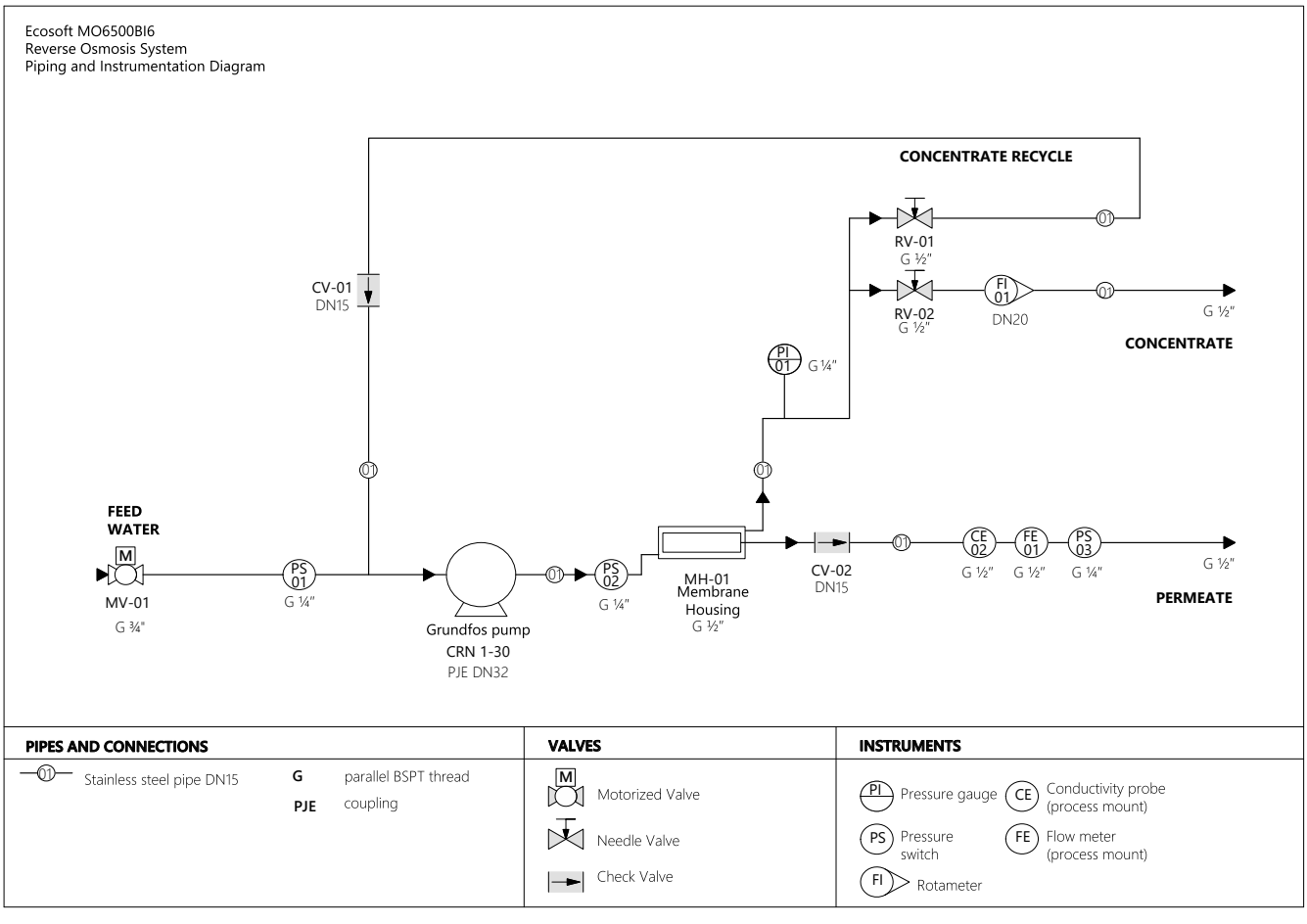
ECOSOFT MO6500 INOX RO FLOW CAPACITY GRAPH (WITH LCLE-4040 MEMBRANE)



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

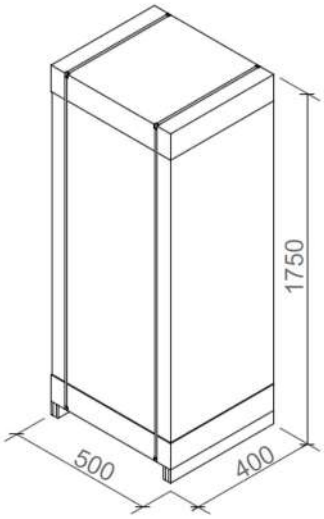


Figure 3.2 Dimensions of crate

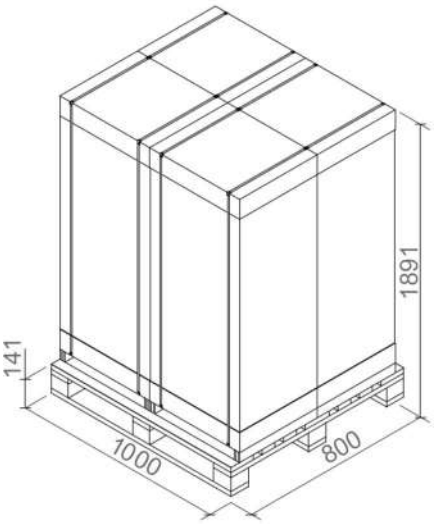


Figure 3.3 Dimensions on pallete