

REVERSE OSMOSIS SYSTEM ECOSOFT MO20000

APPLICATIONS:

Steam boilers, heating and cooling circuits, breweries and beverage production, livestock and poultry farms, glazing factories, laundry and car wash, greenhouses etc.

EQUIPMENT:

- Grundfos® CR 3-15 pump
- 300 psi membrane housings
- Electrical panel with Ecosoft controller
- Danfoss solenoid valves
- Piping, instrumentation
- Steel frame
- Wooden crate

KEY FEATURES:

- Saves of space, in 2 times*
- Saves up to 43% of energy*
- Original design
- Easy to use thanks to smart architecture
- Ecosoft controller OC5000
- Grundfos worldwide guaranty
- CE marked and confirmed to be safe in accordance with EC New Approach Directives
- * Compared to MO24000

OPTIONS:

- Filmtec™ XLE-4040 / LCLE-4040 or Ecosoft ELP-4040 membrane

PHYSICAL PARAMETERS:

Influent water	G 3/4"	
Concentrate	G 1/2"	
Permeate	G 1"	
Approx. weight (bare system / crate)	90 kg	95 kg
Dimensions (bare system, W × D × H)	0.495 × 0.395 × 1.48 m	
Dimensions (crate, W × D × H)	0.5 × 0.4 × 1.5 m	



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

ECOSOFT MO20000 4" REVERSE OSMOSIS SYSTEM

Code	Product	Flow rate, L/h (GPH)	Membranes**	Pieces on pallet
MO20000TP5	Ecosoft MO20000 RO System	1000–1200 (250–330)	4/40 x 40	6

* List prices are without VAT

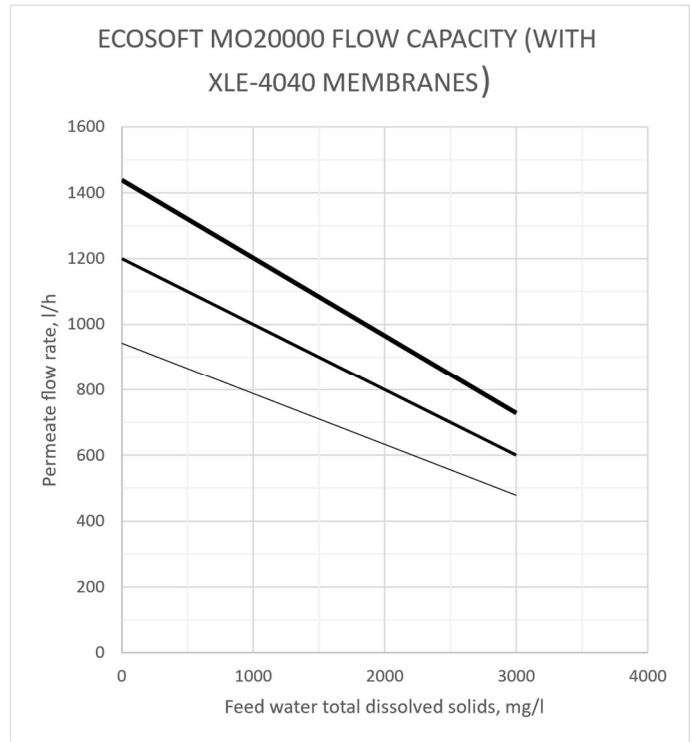
** Membranes are not included in the package

TECHNICAL SPECIFICATION

Permeate capacity ¹	1000 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	1300-1500 L/h
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	1.4 kW

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

² or low scaling/fouling water

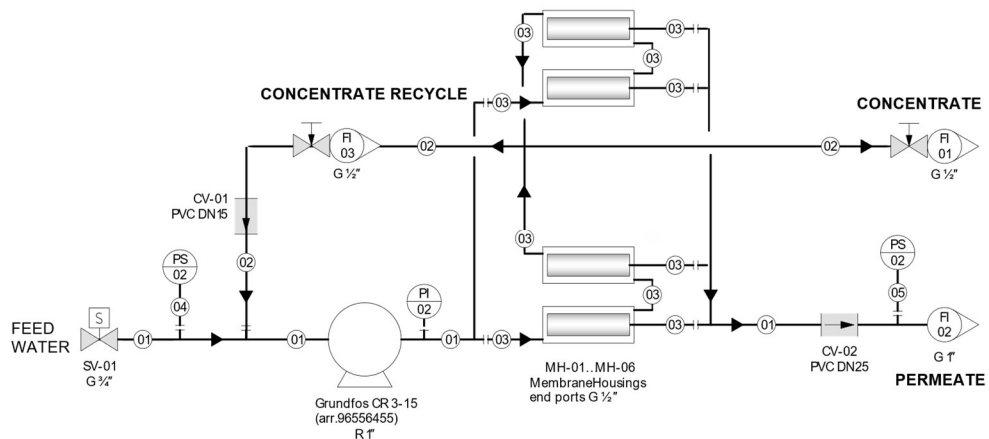


Permeate flow rates are calculated under the following conditions:

- 2 bar influent water pressure
- 0 bar backpressure in the permeate line
- fresh membranes
- XLE-4040 membranes

PIPES AND INSTRUMENTS DIAGRAM

Ecosoft MO20000TP5Reverse
Osmosis System Piping and
Instrumentation Diagram



PIPES AND CONNECTIONS

—01—	PVC pipe	∅ 32 mm	G	parallel BSPT thread
—02—	PVC pipe	∅ 20 mm	PVC	polyvinylchloride (solventweld)
—03—	PE hose/PE	∅ ½"		
—04—	hose	∅ ¼"		

VALVES

	Solenoid Valve
	Needle Valve
	Check Valve

INSTRUMENTS

	Pressure gauge (panel mount)
	Pressure switch (panel mount)
	Rotameter