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

ECOSOFT MO20000 FLOW CAPACITY (WITH XLE-4040 MEMBRANES)

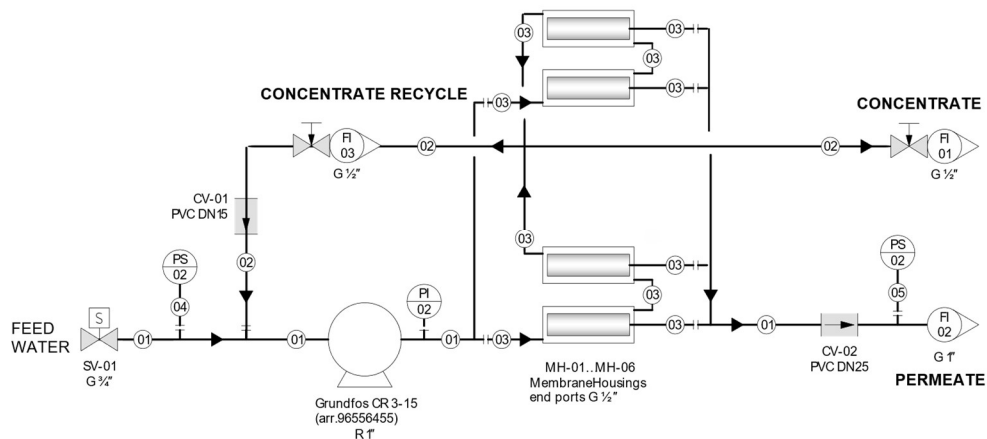Permeate flow rate, l/h vs Feed water total dissolved solids, mg/l
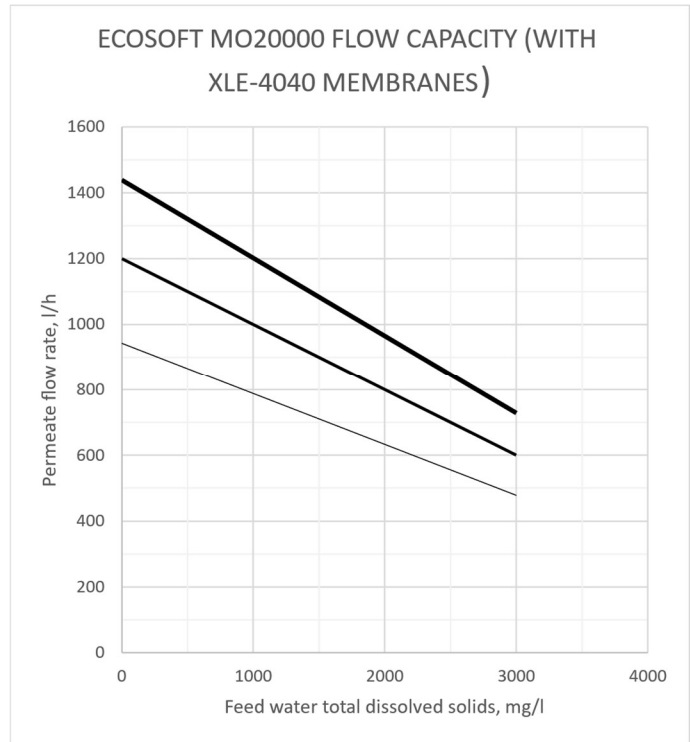
Permeate flow rates are calculated under the following conditions:
- 2 bar influent water pressure
- 0 bar backpressure in the permeate line
- fresh membranes
- XLE-4040 membranes

PIPES AND INSTRUMENTS DIAGRAM

Ecosoft MO2**0000**TP5Reverse Osmosis SystemPiping and Instrumentation Diagram

PIPES AND CONNECTIONS				
01	PVC pipe	Ø 32 mm	**G**	parallel BSPT thread
02	PVC pipe	Ø 20 mm	**PVC**	polyvinylchloride (solventweld)
03	PE hosePE	Ø ½"		
04	hose	Ø ¼"		

VALVES	
S	Solenoid Valve
	Needle Valve
	Check Valve

INSTRUMENTS	
PI	Pressure gauge (panel mount)
PS	Pressure switch (panel mount)
FI	Rotameter