

PROFESSIONAL LENNTech MO6500 4" REVERSE OSMOSIS SYSTEM

APPLICATIONS

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

EQUIPMENT

- Grundfos® CM 1-10 pump
- 300 psi membrane vessel
- BB10 sediment prefilter
- Electrical panel with Ecosoft controller
- Danfoss solenoid valves
- Piping, instrumentation
- Steel frame
- Wooden crate

KEY FEATURES

- Ecosoft controller OC5000
- Easy to use thanks to smart architecture
- Universal system construction allows connecting options of permeate flushing and raw water blending
- Grundfos worldwide guaranty
- CE marked and confirmed to be safe in accordance with EC New Approach Directives

OPTIONS

- Filmtec™ XLE-4040 / LCLE-4040
- Dosing pump for antiscalant
- Versatile set for raw water blending (30...240 L/h) or permeate flushing

PHYSICAL PARAMETERS

Influent water, concentrate, permeate	G ½"	
Antiscalant dosing port	G ½"	
Permeate flushing input port	G ½"	
Approx. weight (bare system / crate)	55 kg	80 kg
Dimensions (bare system, W × D × H)	0.55 × 0.42 × 1.50 m	
Dimensions (crate, W × D × H)	0.60 × 0.50 × 1.65 m	



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

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Code	Product	Flow rate, L/h (GPH)	Membranes**	Pieces on pallet
MO6500TP5	MO6500 RO System	200–300 (50–80)	1/40 x 40	4

* List prices are without VAT

** Membranes are not included in the package

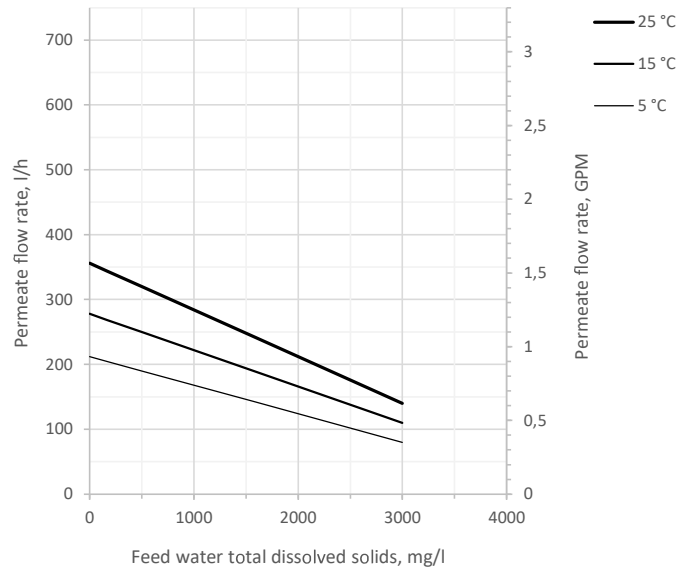
TECHNICAL SPECIFICATION

Permeate capacity ¹	250 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	320...400 L/h (service) 1500...2000 L/h (rinse)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	0.7 kW
Prefilter rating	5 µm

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

² for low scaling/fouling water

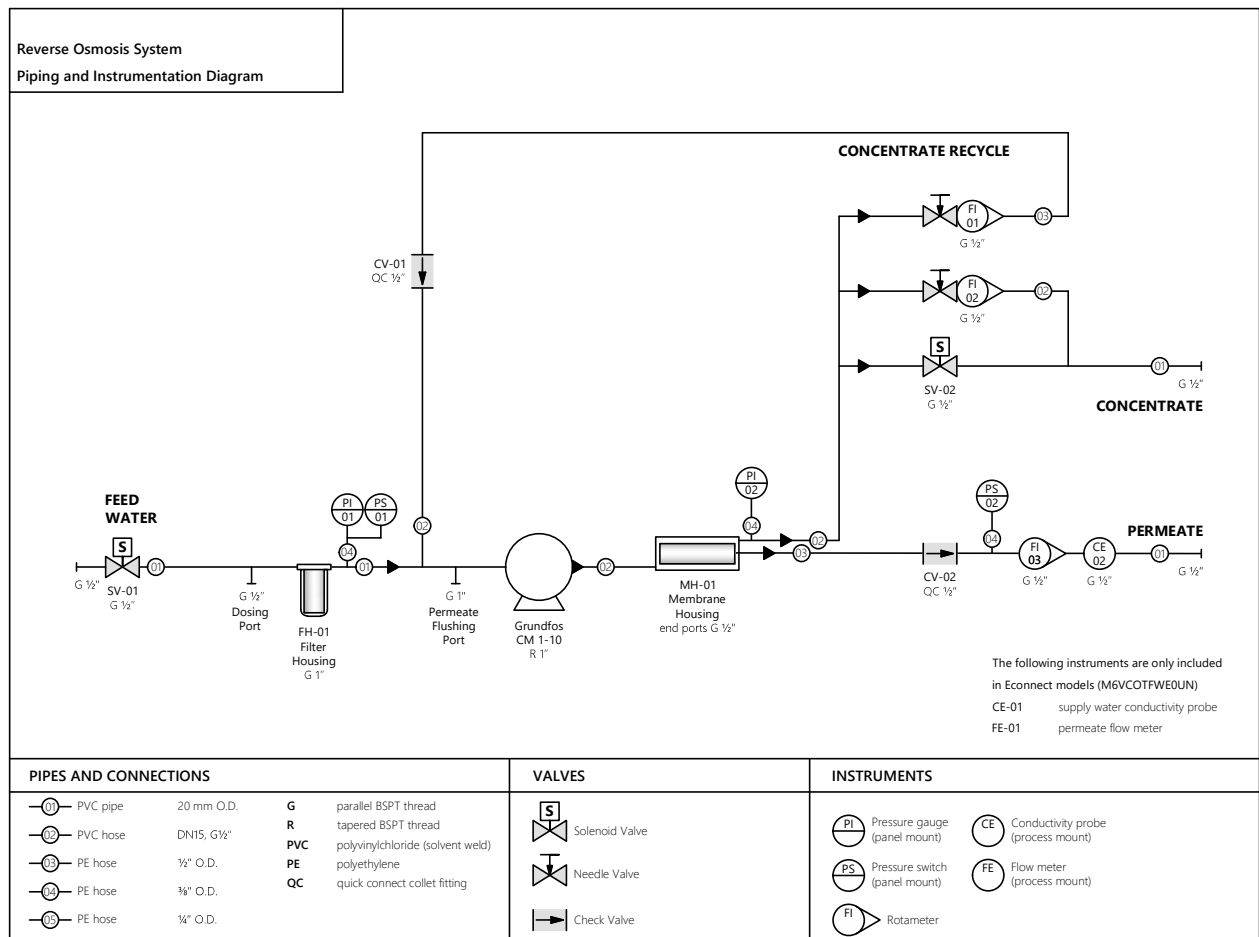
MO6500 FLOW CAPACITY (WITH XLE-4040 MEMBRANES)



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



LENNTECH
WATER TREATMENT SOLUTIONS

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289