

PROFESSIONAL Lenntech MO10000 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 housing
- 2.5 × 10" sediment prefilter
- Electrical panel with LennRO controller
- Danfoss solenoid valve
- Piping, instrumentation
- Steel frame
- Wooden crate

KEY FEATURES

- LennRO controller OC5000
- Saves up to 55% of space*
- Easy to use thanks to smart architecture
- Grundfos worldwide guaranty
- CE marked and confirmed to be safe in accordance with EC New Approach Directives

* Compared to MO12000

OPTION

- Filmtec™ XLE-4040 / LCLE-4040

membranes



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

PHYSICAL PARAMETERS

Influent water, concentrate, permeate	G ½"	
Approx. weight (bare system / crate)	50 kg	65 kg
Dimensions (bare system, W × D × H)	0.29 × 0.36 × 1.48 m	
Dimensions (crate, W × D × H)	0.3 × 0.4 × 1.65 m	

LennRO MO10000 4" REVERSE OSMOSIS SYSTEM

Code	Product	Flow rate, L/h (GPH)	Membranes**	Pieces on pallet
MO10000TP5	Lenntech MO10000 RO System	400–550 (100–150)	2/40 x 40	9

** Membranes are not included in the package

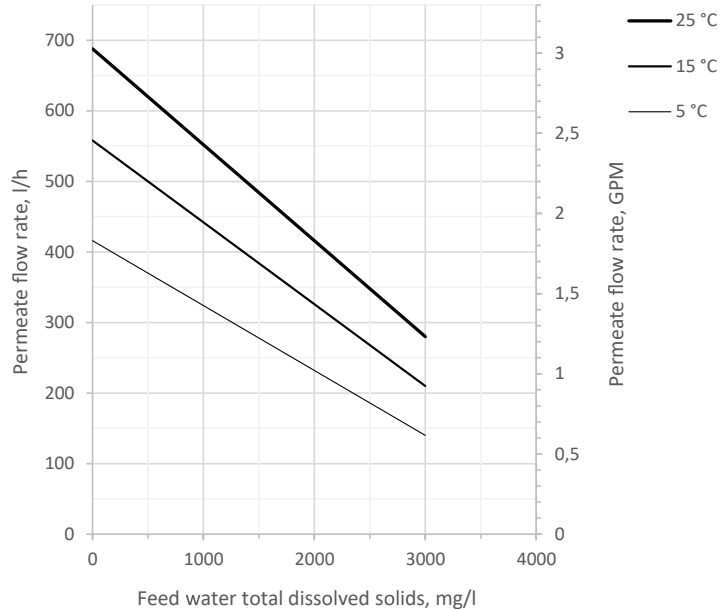
TECHNICAL SPECIFICATION

Permeate capacity ¹	500 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	650...800 L/h (service)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	1 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

LenRO MO10000 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

