

HYDERPRO R24000 COMMERCIAL 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 3-14 pump
- 300 psi membrane vessels
- BB20 sediment prefilter
- Electrical panel w/ Ecosoft controller
- Danfoss solenoid valves
- Piping, instrumentation, frame
- Wooden crate



Some models are equipped with OC6000 controller with Econnect functionality providing online access to the RO machine - enquire.

KEY FEATURES

- High reliability due to high quality engineering and components
- Saves up to 30% of space*
- Easy to use thanks to smart architecture
- Saves up to 50% of energy* thanks to Filmtec™ XLE membranes** and Grundfos pumps
- Original design
- CE marked and confirmed to be safe in accordance with EC New Approach Directives

* Compared to industrial models of Ecosoft RO

OPTIONS

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

PHYSICAL PARAMETERS

Influent water, concentrate, permeate	G 1"
Antiscalant dosing port	G ½"
Permeate flushing input port	G 1"
Raw water blending port	G ¾"
Approx. weight (bare system / crate)	110 kg 150 kg
Dimensions (bare system, W × D × H)	0.70 × 0.60 × 1.50 m
Dimensions (crate, W × D × H)	1.00 × 0.75 × 1.90 m



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

R24000 COMMERCIAL REVERSE OSMOSIS SYSTEMS

Code	Product	Permeate Flow - LPH (GPH)	Membranes
R00104000	R24000	1000–1200 (250–330)	4/40 x 40 membranes
R00104000	R24000 EConnect	1000–1200 (250–330)	4/40 x 40 membranes

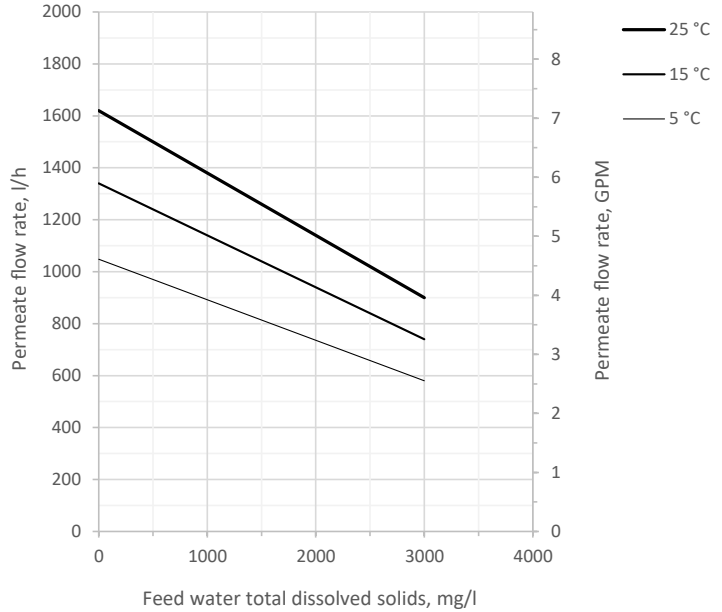
TECHNICAL SPECIFICATIONS

Permeate capacity ¹	1000 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	1300...1500 L/h (service) 3000...4000 L/h (rinse)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	2.0 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

HYDRPRO R24000 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

