

ECOSOFT INOX IoT MO36000 4" REVERSE OSMOSIS SYSTEM

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APPLICATIONS

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

KEY FEATURES

- Ecosoft controller OC6000 with Econnect functionality providing online access to the RO machine
- Easy to use thanks to smart architecture
- Modularized architecture for adding permeate flushing or raw water blending assembly to the system
- Grundfos worldwide guaranty
- CE marked and confirmed to be safe in accordance with EC NewApproach Directives

EQUIPMENT:

- Grundfos® CM 3-14 pump
- 300 psi membrane housings
- BB20 sediment prefilter
- Electrical panel with Ecosoft controller
- Danfoss solenoid valves
- Permeate flow rate
- Inlet, permeate conductivity probe
- Piping, instrumentation
- AISI304 stainless steel frame
- Wooden crate

OPTION:

- Filmtec™ XLE-4040 / LCLE-4040 or Ecosoft ELP-4040 membrane
- Dosing pump for antiscalant
- Versatile set for raw water blending (120...1080 L/h) or permeate flushing

Ecosoft 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 1"
Antiscalant dosing port	G 1/2"
Permeate flushing input port	G 1"
Raw water blending port	G 3/8"
Approx. weight (bare system / crate)	130 kg / 170 kg
Dimensions (bare system, W x D x H)	0.87 x 0.58 x 1.49 m
Dimensions (crate, W x D x H)	1.00 x 0.72 x 1.92 m

ADVANCED ECOSOFT MO36000 4" REVERSE OSMOSIS SYSTEM

Code	Product	Flow rate, L/h (GPH)	Membranes*	Pieces on pallet
MO36000T16	MO36000 INOX IoT advanced 4" RO system with Econnect	1400-1600 (350-420)	6/40 x 40	1

* Membranes are not included in the package

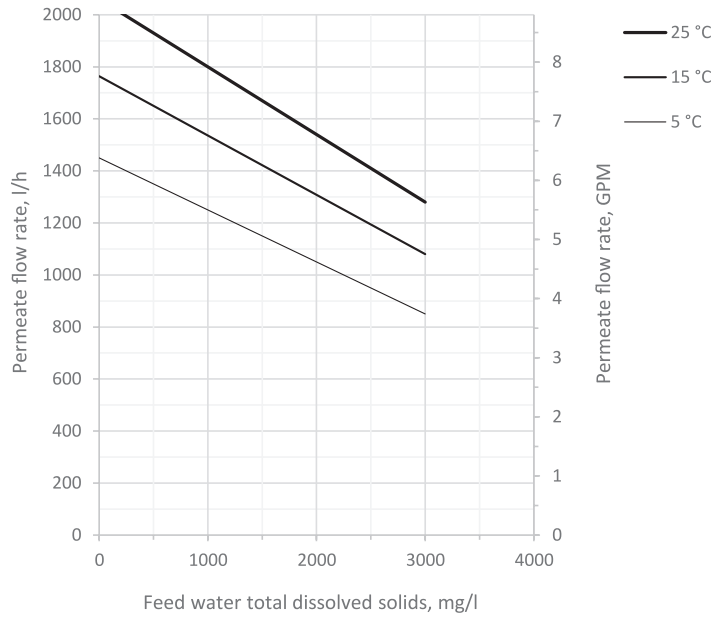
TECHNICAL SPECIFICATION

Permeate capacity ¹	1500 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	2000...2500 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	1.9 kW
Pre-filter rating	5 µm

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

² for low scaling/fouling water

ECOSOFT MO36000 FLOW CAPACITY (WITH XLE-4040 MEMBRANE)



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

