

# ECOSOFT MO36 INDUSTRIAL REVERSE OSMOSIS SYSTEM

## APPLICATIONS

Process water, rinse water, steam boilers, heating and cooling circuits, agriculture, desalination, food and beverage, utility water treatment.



## EQUIPMENT:

Grundfos® CR high pressure pump.....	1 pcs
8040-6 membrane vessel.....	6 pcs
Stainless steel housing with 7 PP 2,5 × 40" filters.....	2 pcs
Motorized butterfly valves.....	2 pcs
Balancing valves.....	2 pcs
Electrical cabinet with Ecosoft controller.....	1 set
Piping, instrumentation.....	1 set
Steel frame.....	1 set

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

## OPTIONS

- Filmtec™ XLE-440 / ECO PRO-440 / BW30HRLE / BW30XFRLE-400 or Ecosoft ELP8040 membranes
- Dosing pump for antiscalant or other RO chemicals
- Permeate inlet for permeate membrane rinse
- Raw water mixing line

## CONNECTION PORT SIZES:

Influent water.....	DN100 (flange)
Permeate.....	DN80 (flange)
Concentrate.....	DN100 (flange)
CIP inlet.....	DN80 (flange)
CIP return.....	DN80 (flange)

## PHYSICAL PARAMETERS:

Approximate dimensions (installed).....	7.00 × 2.40 × 2.50 m (Width × Depth × Height, ±5%)
Approximate weight (bare).....	1700 kg
Approximate weight (crated).....	2200 kg

## ECOSOFT MO36 INDUSTRIAL REVERSE OSMOSIS SYSTEMS

Code	Product	Flow capacity, m <sup>3</sup> /h (GPH)	Membranes**
MO36XLWE0UN	Ecosoft MO36	36–42 (9 500–11 100)	36/80 × 40

\* List prices are without VAT  
\*\* Membranes are not included

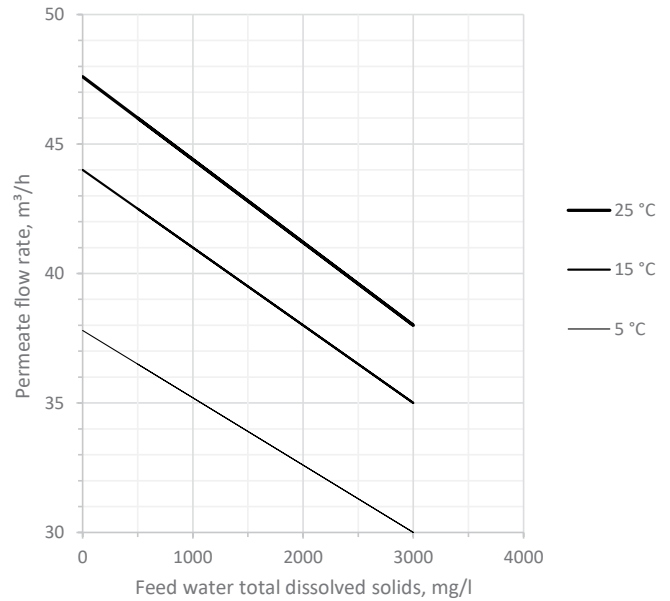
## TECHNICAL SPECIFICATIONS

Permeate capacity <sup>1</sup>	36 m <sup>3</sup> /h
Permeate recovery <sup>2</sup>	75%
Maximum TDS	3000 mg/L
Influent flow demand	50...60 m <sup>3</sup> /h
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	380...400 V, 50 Hz (3 ph)
Electrical power	22 kW
Prefilter rating	5 µm

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

<sup>2</sup> for low scaling/fouling water

## ECOSOFT MO36 RO FLOW CAPACITY GRAPH (WITH XLE-440 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-440 membrane

## PIPES AND INSTRUMENTS DIAGRAM

