

ECOSOFT VOMO-48 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 64-4 high pressure pump
- 300 psi membrane vessels
- DOW Filmtec™ XLE-440 membranes
- Stainless steel housing with 15 PP 2,5 × 40" filters
- Electrical cabinet with Ecosoft controller
- Motorized butterfly valves
- Diaphragm regulating valves
- Piping, valves, instrumentation, frame



OPTIONS

- High rejection Filmtec™ membranes
- Dosing pump for antiscalant or other RO chemicals
- Permeate inlet for permeate membrane rinse
- Raw water mixing line

*Shown with optional CIP unit.
System design may be amended on manufacturer's discretion without
violating compliance with the process flow diagram*

CONNECTION PORT SIZES

Influent water	DN100 (flange)
Permeate	DN100 (flange)
Concentrate	DN100 (flange)
CIP inlet	DN80 (flange)
CIP return	DN80 (flange)
Approximate weight (dry)	2600 kg
Approximate dimensions (Width × Depth × Height) <i>Dimensions may vary ± 5%</i>	7.0 × 2.4 × 2.5 m



VOENS
der Wasserkeller

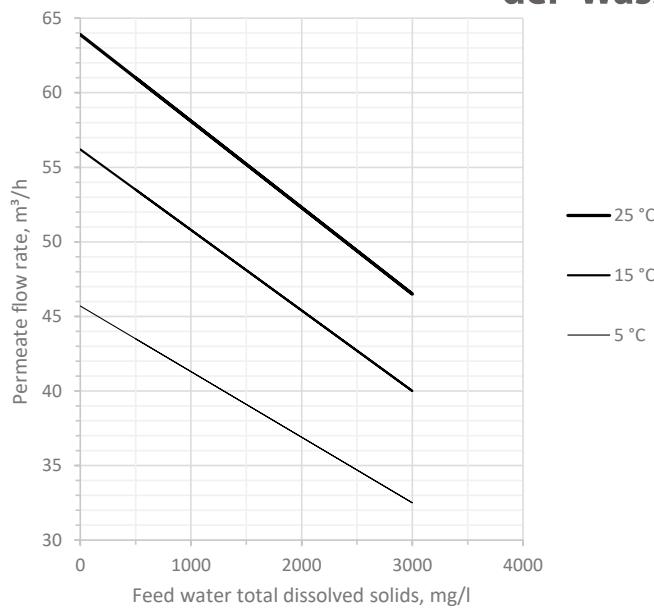
TECHNICAL SPECIFICATIONS

Permeate capacity ¹	48 m ³ /h
Permeate recovery ²	75%
Maximum TDS	3000 mg/l
Influent flow demand	65...80 m ³ /h
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	400 V, 50 Hz (3 ph)
Electrical power	22 kW
Prefilter rating	5 µm

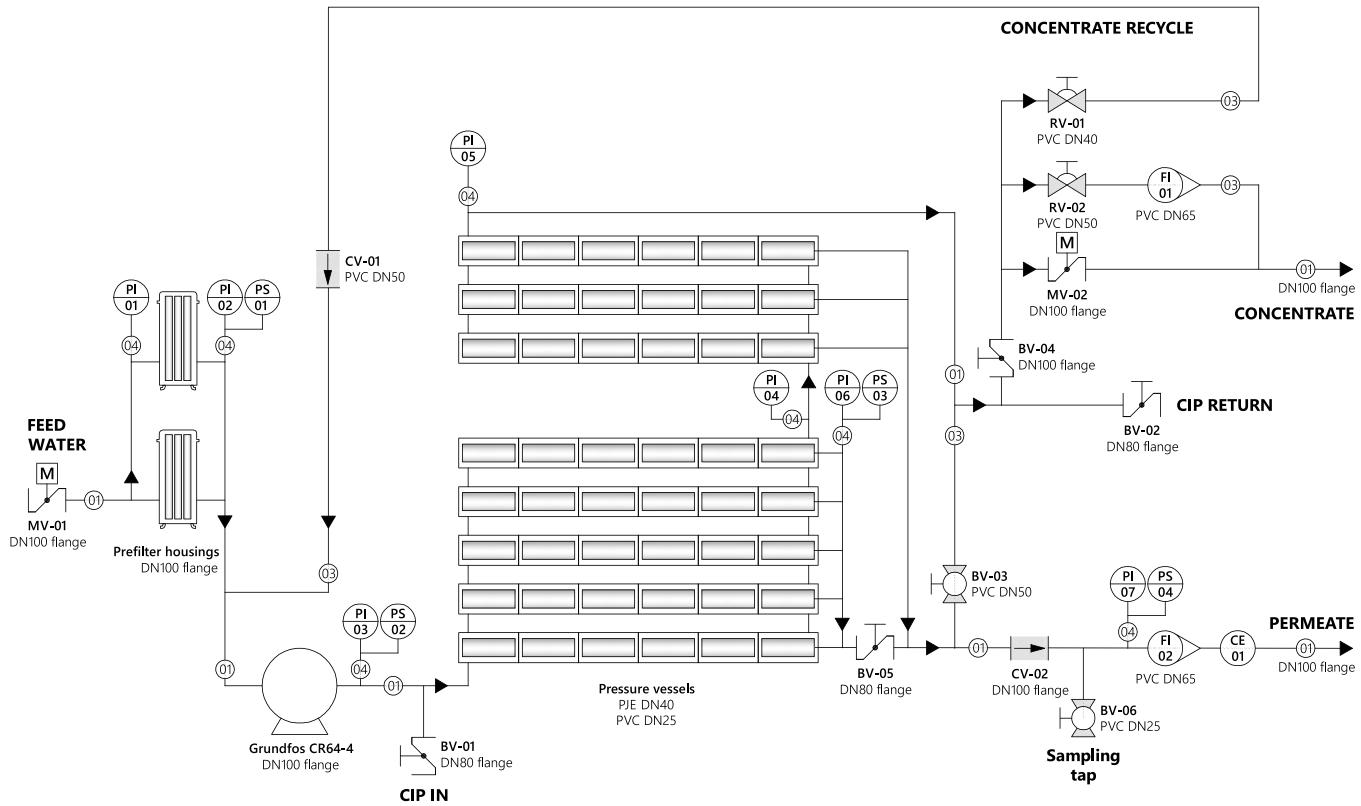
¹ depends on feed water TDS, temperature, and permeate recovery — see graph on the right

² for low scaling/fouling water

ECOSOFT MO-48 RO FLOW CAPACITY GRA



PIPES AND INSTRUMENTS DIAGRAM



PIPE SPECIFICATIONS

(01)	PVC pipe	110 mm O.D.
(02)	PVC pipe	90 mm O.D.
(03)	PVC pipe	63 mm O.D.
(04)	LLDPE hose	1/4" O.D.

VALVE AND INSTRUMENT SPECIFICATIONS

	Motorized butterfly valve		Diaphragm valve		Ball valve		Pressure gauge (panel mount)		Rotameter
	Butterfly valve		Check valve		Pressure switch (panel mount)		Conductivity probe (process mount)		