



PRODUCTOS POLO, S.A. de C.V.

www.productospolo.com

SERIES OMEGA-8C

INDUSTRIAL REVERSE OSMOSIS 4.5 TO 18 GPM

Omega-8C Industrial Reverse Osmosis systems are the solution for the increasing demand high quality water where small foot-print is needed. Reverse osmosis water has applications in the food and beverage, pharmaceutical, agriculture, municipal, power, mining and microelectronic industries.

Key features

- Small foot-print. One single 8x40" membrane produces 4 times more than 4x40" membrane.
- Engineering design for water hammer issues prevention.
- High efficiency 8x40" Today TMGD20 membranes provides 99.7% of salt rejection, amongst the highest in the market.
- Enveloping steel frame for extra protection.
- Concentrate recirculation to achieve optimal operation.



99.7%
Nominal
salts rejection



Large
industries



Energy
savings



Available options

- Stainless steel frame
- Stainless steel high-pressure piping
- High production membranes with 440 ft² of filtration area
- High rejection Today TM720D-400 membranes with 99.8% of salt rejection
- 316 Stainless steel multistage pump
- In-line water quality monitoring devices: Conductivity, TDS, pH, ORP and Resistivity
- Controller for automatic operation with actuated feed valve, flushing, level switches, low pressure protection and chemical dosing
- Control options: Industrial button station, Microprocessor PICROS 5 and PLC
- Personalized cover label
- LCD 2x16 screen or Touchscreen display
- Pre-treatment
- Antiscalant dosing system
- Clean in place (CIP)

Standard Benefits

- All of our models are designed under Today design guidelines using Today DS2 software
- Enveloping industrial coated carbon steel frame
- High efficiency 8x40" Today TMG20D membranes with 99.7% of salt rejection
- PROTEC 300 psi fiberglass reinforced plastic membrane vessels
- 304 Stainless steel multistage pump with TEFC motor 220/440V-3F
- Polypropylene 5 micron pre-filter
- Flowmeters in permeate, recirculation and concentrate lines
- Piping in PVC Sch. 80 and Sch. 40
- Sample valves in main lines and per single vessel
- Systems are factory tested

Powered by:



HAYWARD®

TORAY®

Product Capacity Specifications

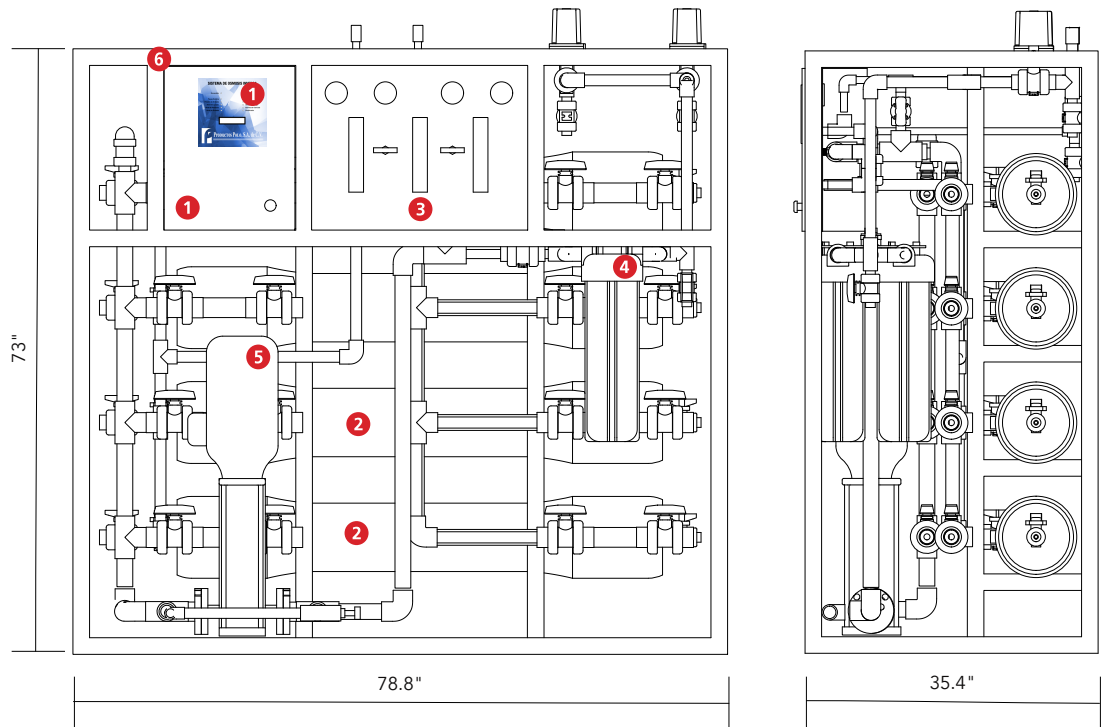
Membranes Quantity	Permeate Flow Rate		Vessels Quantity	Vessels arrange	Power (HP)	Filter housing	Connection (FNPT)			Dimensions (cm) Length x Width x Height	Shipping weight (kg)
	GPM	m³/day					Feed	Permeate	Concentrate		
1	4.5	25	1	1	4	1 - 4.5x20"	1"	1"	1"	200x90x185	437
2	9	50	2	1:1	5	1 - 4.5x20"	1"	1"	1"	200x90x185	610
3	13.5	75	3	1:1:1	5	2 - 4.5x20"	1.5"	1"	1"	200x90x185	790
4	18	100	4	1:1:1:1	7.5	2 - 4.5x20"	1.5"	1"	1.25"	200x90x185	991

Under a standard design with TMG20D membranes at the third operating year recovering 60-70% of properly pre-treated well water with 1,500 ppm of total dissolved solids at 25°C (77 °F).

Controller capacity

Features	Manual	Standar	Plus
Controller	Industrial Button Station	P.I.C.R.O.S. 3	P.I.C.R.O.S. 5
Inputs / Outputs	0/1	3/3	5/5
Automatic Valves	-	Yes (2)	Yes (3)
Flushing	-	Yes	Yes
Sound Alarm	-	Yes	Yes
Level Switch	-	Yes (2)	Yes (3)
Low-pressure Switch	-	Yes	Yes
Display	-	2x16	2x16
Personalized Cover Label	-	Yes	Yes

- 1 Private cover label
- 1 PICROS controller
- 2 Membrane housing
- 2 Membrane
- 3 Instruments panel
- 4 Pre-filter
- 5 High-pressure pump
- 6 Carbon steel frame



Construction materials	
Frame	Carbon steel
Membrane housing	FRP, PROTEC
Piping	PVC Schedule 80/40
Filter housing	Polypropylene