

REVERSE OSMOSIS MACHINES

RO4 SERIES (2,200 to 13,200 gpd)

Our RO4 machines are designed for durable operation, high quality product water production, easy installation and straightforward control.

APPLICATIONS

Process ingredient water • Rinse water • Safe drinking water • Food ingredient water • Boiler feedwater • Ion exchange pre-treatment



MATERIALS OF CONSTRUCTION

- | | |
|--------------------------------|-----------------------------|
| • Welded Frame: | Painted carbon steel |
| • Membrane Elements: | Desal® AK4040T1305 |
| • Membrane Housing: | Osmo® Stainless Steel |
| • Inlet Plumbing: | Sch. 80 PVC |
| • High Pressure Plumbing: | Reinforced rubber hose |
| • Permeate/Concentrate Tubing: | Polyethylene, NSF approved |
| • Control Enclosure: | NEMA 1 |
| • Motor Starters: | NEMA 4X |
| • Cartridge Filter: | Hytrex® , 5 micron, 20 inch |

PUMP AND MOTOR

- Pump
Tonkaflo®, multi-stage, centrifugal pump
SS Shell/Housing
Noryl* internals
SS inlet/discharge castings
- Motor
3-Phase, TEFC, 208-230/460 VAC

DELUXE FEATURES DLX

(IN ADDITION TO ECN FEATURES)

- Autoflush system
- Low inlet pressure switch
- Digital conductivity meter
- Alarms: Low Inlet Pressure, Motor Starter overload

*Noryl is a registered trademark of General Electric Company

CAT710.2

STANDARD ECONOMY FEATURES (ECN)

- Low energy design reduces electrical requirements and operating costs
- 5-micron pre-filter
- Automatic inlet shut-off valve
- Permeate and Concentrate flow meters
- Remote machine on/off capability
- Thermal Motor Protection
- Pre-filter, post-filter, primary, and final pressure gauges
- Flow control center including concentrate and recycle valves

REVERSE OSMOSIS (RO4)

APPLICATION TABLE							
ITEM	UNIT						
Model No.		RO4-2200	RO4-4400	RO4-6600	RO4-8800	RO4-11000	RO4-13200
Part No.	STD	ROM477	ROM481	ROM485	ROM489	ROM493	ROM497
Part No.	DLX	ROM478	ROM482	ROM486	ROM490	ROM494	ROM498
Recovery Range		50-75%	50-75%	50-75%	50-75%	50-75%	50-75%
Permeate Rate	gpm	1.5	3	4.5	6	7.5	9
Concentrate Rate	gpm	1.5-5	3-1	4.5-1.5	6-2	7.5-2.5	9-3
Pump/ Motor	hp	1.5 SS1809X	1.5 SS1809X	1.5 SS1809X	1.5 SS1809X	2 SS1812X	2 SS1812X
Number of Membrane Elements		1	2	3	4	5	6
Array		1	1-1	1-1-1	1-1-1-1	2-1-1-1	2-2-1-1
Inlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
Permeate	inch	1/2	1/2	1/2	3/4	3/4	3/4
Concentrate	inch	1/2	1/2	1/2	3/4	3/4	3/4
Height	inch	50	50	55	55	60	60
Width	inch	30	30	30	30	30	30
Depth	inch	20	20	20	26	26	26
Shipping Weight	lbs	170	185	215	235	325	345

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DELIVERING EXPERIENCE, QUALITY, AND SERVICE SINCE 1934