

## ROC Series Reverse Osmosis Systems

- ✓ World Class Manufacturing Facility
- ✓ Advance Membrane Technology
- ✓ Precision Manufacturing Tolerances
- ✓ Made in the USA

### Features

- Powder Coated Aluminum Frame
- Dual 0-100psi Pre-Filter Pressure Gauges
- Dual 0-300psi Pump & Concentrate Pressure Gauges
- Stainless Steel Permeate Flow Meter
- Stainless Steel Concentrate and Conc Recirculate Flow Meters with Integrated Needle Valves \*ROC-16000 Pictured
- 100-Series Reverse Osmosis Membranes
- 304 Stainless Steel Membrane Housings
- Goulds Stainless Steel Pump and TEFC Motor
- 15/30psi Low Pressure Switch, 40/60psi Tank Pressure Switch
- 304 Stainless Steel, IP65 Rated Inlet Solenoid Valve
- Dual TDS Meter
- Chemical Injection port and Electrical Outlet
- Computer Controller with Low Pressure Alarm
- 4.5" X 20" White Filter Housings (Made in the USA)
- Membrane Flush



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MODEL	ROC-2000	ROC-4000	ROC-6000	ROC-8000	ROC-12000	ROC-16000
110V 60Hz 1Ph	ROC200010	ROC400010	N/A	N/A	N/A	N/A
220V 60Hz 1Ph	ROC200011	ROC400011	ROC600011	ROC800011	ROC1200011	ROC1600011
220V 60 Hz 3Ph	N/A	N/A	N/A	N/A	ROC1200012	ROC1600012
460V 60Hz 3Ph	N/A	N/A	N/A	N/A	ROC1200013	ROC1600013
Flow Specifications						
Production Capacity gpm / lpm	1.39 gpm 5.26 lpm	2.78 gpm 10.52 lpm	4.17 gpm 15.78 lpm	5.56 gpm 21.04 lpm	8.33 gpm 31.56 lpm	11.11 gpm 42.08
Recovery Range	35% - 45%	50%	60%	50-75%	50-75%	50-75%
Max Feed T.D.S.	2000	2000	2000	2000	2000	2000
Membranes and Vessels						
Membrane	100-4040	100-4040	100-4040	100-4040	100-4040	100-4040
Membrane Qty.	1	2	3	4	6	8
Membrane Size	4040	4040	4040	4040	4040	4040
Nominal Rejection	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%
Vessel Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Vessels	1	2	3	4	6	8
Array	1	1:1	1:1:1	2:1:1	2:2:2	2:2:2:2
Pre-Filters						
Size	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"
Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Micron	5	5	5	5	5	5
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Pump and Motor						
Pump Type	7 Stage	7 Stage	10 Stage	10 Stage	25 Stage	33 Stage
Pump Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Motor HP (60Hz)	1	1	1 ½	1 ½	3	3
Motor Type	TEFC	TEFC	TEFC	TEFC	TEFC	TEFC
Electrical						
Phase	1	1	1	1	1	1
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Amp Draw 110V	14	14	N/A	N/A	N/A	N/A
Amp Draw 220V	7	7	9	9	16	16
Amp Draw 220V 3Ph	N/A	N/A	N/A	N/A	8.4	8.4
Amp Draw 460V 3Ph	N/A	N/A	N/A	N/A	4.2	4.2
Connections						
Feed	¾" FNPT	¾" FNPT	¾" FNPT	¾" FNPT	1" FNPT	1" FNPT
Permeate	1/2" QC	1/2" QC	1/2" QC	1/2" QC	¾" FNPT	¾" FNPT
Concentrate	1/2" QC	1/2" QC	1/2" QC	1/2" QC	¾" FNPT"	¾" FNPT
Weights & Dimensions						
L" X W" X H"	22" X 26" X 53"	22" X 26" X 53"	22" X 26" X 53"	22" X 26" X 53"	27" X 37" X 51"	27" X 37" X 51"
Weights (lbs.)	110	120	140	160	395	414

Systems production and recovery based on 500TDS, 77°F softened feed water. Computer projections should be run to optimize the systems recovery and membrane life.