

ROS Series Reverse Osmosis Systems

- ✓ Free Stand or Wall Mount Design
- ✓ Advance Membrane Technology
- ✓ Precision Manufacturing Tolerances
- ✓ Made in the USA

Features

- Powder Coated Aluminum Frame
- Stainless Steel Permeate Flow Meter
- Stainless Steel Concentrate Flow Meter with Integrated Needle Valve
- Stainless Steel Concentrate Recirculate Flow Meter with Integrated Needle Valve
- Dual 0-100psi Pre-Filter Pressure Gauges
- 0-300psi Pump Pressure Gauge
- 100-Series Reverse Osmosis Membranes
- 304 Stainless Steel Membrane Housings
- 15psi / 30psi Low Pressure Switch, 40/60psi Tank Pressure Switch
- 304 Stainless Steel, IP65 Rated Solenoid Valve
- Dual TDS Meter
- Computer Controller with Low Pressure Alarm
- 4.5" X 10" (250, 500) 4.5" X 20" (1000, 2000) White Filter Housings (Made in the USA)



1-800-383-1236

MODEL	ROS-250	ROS-500	ROS-1000	ROS-2000
Part Number 110V 60Hz	ROS25010	ROS50010	ROS100010	ROS200010
Part Number 220V 60Hz	ROS25011	ROS50011	ROS100011	ROS200011
Flow Specifications				
Production Capacity gpm / lpm	.17 gpm .64 lpm	.34 gpm 1.28 lpm	.69 gpm 2.61 lpm	1.38 gpm 5.22 lpm
Recovery Range	35%	50%	35%	50%
Max Feed T.D.S.	2000	2000	2000	2000
Membranes and Vessels				
Membrane	100-2521	100-2521	100-4021	100-4021
Membrane Qty.	1	2	1	2
Membrane Size	2521	2521	4021	4021
Nominal Rejection	98.5%	98.5%	98.5%	98.5%
Vessel Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Vessels	1	2	1	2
Array	1	1:1	1	1:1
Pre-Filters				
Size	4.5" X 10"	4.5" X 10"	4.5" X 20"	4.5" X 20"
Type	Sediment	Sediment	Sediment	Sediment
Micron	5	5	5	5
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Type	Block	Block	Block	Block
Micron	10	10	10	10
Material	Coconut Carbon	Coconut Carbon	Coconut Carbon	Coconut Carbon
Pump and Motor				
Pump Type	Vane	Vane	Vane	Vane
Pump Material	Low Lead Brass	Low Lead Brass	Low Lead Brass	Low Lead Brass
Motor HP (60Hz)	1/3	1/3	3/4	3/4
Motor Type	Carbonator	Carbonator	Carbonator	Carbonator
Electrical				
Phase	1	1	1	1
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Amp Draw 110V	7	7	11	11
Amp Draw 220V	4	4	7	7
Connections				
Feed	¾" FNPT	¾" FNPT	¾" FNPT	¾" FNPT
Permeate	3/8" QC	3/8" QC	1/2" QC	1/2" QC
Concentrate	3/8" QC	3/8" QC	1/2" QC	1/2" QC
Weights & Dimensions				
L" X W" X H"	15 ¾" X 25" X 31"	15 ¾" X 25" X 31"	21 ¾" X 25" X 31"	21 ¾" X 25" X 31"
Weights (lbs.)	80	90	110	120

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.