

Desalination



Series S Seawater RO Systems 1,000 to 100,000 Gallons/ Day (6 to 400 m³/Day)

STANDARD EQUIPMENT

- Thin Film Composite Membranes
- FRP Pressure Vessels
- FRP Prefilter Housing
- 316 Stainless Steel Pressure Gauges
- 316 Stainless Steel Low and High Pressure Switches
- 316 Stainless Steel Back Pressure Regulator
- Low and High Pressure Safeguards
- Nickel-Aluminum-Bronze High Pressure Pumps
- Pulsation Dampner
- Pressure Relief Valve
- Antiscalant Injection
- Auto Permeate Flush System with Tank, Pump and Controls
- Cleaning Ports
- Auto Operation with Level Controls
- Reset Switch to Restart
- Powder Coated Skid
- Permeate and Concentrate Flowmeters
- Microprocessor Controller. Operating conditions are displayed on an LCD Display with:
 - NEMA 4X Panel Enclosure
 - Delayed Start-Up of High Pressure Pump
 - Low and High Pressure Switch
 - RO and Auxiliary Pump Control Relays
 - Product Water Quality TDS
 - Automatic Restart Time After Problem Shut-down
 - Membrane Permeate Flush at Each Shut-down
 - RO Storage Tank Full and Low
 - Pretreatment Lock Out

OPTIONAL EQUIPMENT

- Ultraviolet Sterilizer
- Sodium Bisulfite or Chlorine Injection System
- Differential Pressure Gauge
- Integrated Cleaning
- Hour Meter
- Turbidity Meter
- ORP Meter
- Stainless Steel or Duplex Stainless Steel High Pressure Pump

Model	GPM	Capacity		No. of Elmnts 40" (102cm) L	Elmnt Dia. In/Cm	Line Sizes In/Cm			Dimensions (In/cm)			Wt lb/kg	Motor HP	
		GPD	m ³ /day			Inlet	Perm	Conc	Length	Width	Height		60 Hz 230/460	50 Hz 220/380
S-24A	1.5	2000	6	2	4/10	1.5/4	1/2.5	1/2.5	130	35	72	1200/545	7.5	7.5
S-34A	2	3000	11	3	4/10	1.5/4	1/2.5	1/2.5	130	35	72	1400/636	15	15
S-44A	3	4000	15	4	4/10	1.5/4	1/2.5	1/2.5	130	35	72	1600/725	20	20
S-64B	4	6000	23	6	4/10	2/5	1/2.5	2/5	170	35	72	1900/860	20	20
S-28B	7	10000	40	2	8/20	2/5	1/2.5	2/5	170	35	72	2300/1050	25	25
S-38A	10	15000	60	3	8/20	2/5	1/2.5	2/5	170	35	72	2700/1230	25	25
S-48B	14	20000	75	4	8/20	2/5	1/2.5	2/5	170	35	72	3100/1400	40	40
S-68B	17	25000	95	6	8/20	2/5	1/2.5	2/5	134	35	72	3900/1775	40	40
S-98C	24	35000	130	9	8/20	3/8	2/5	2/5	174	35	72	5100/2320	50	50
S-128F	35	50000	190	12	8/20	3/8	2/5	2/5	300	35	72	6300/2865	75	75
S-188F	52	75000	284	18	8/20	3/8	2/5	2/5	300	35	72	9000/4200	100	100
S-248F	70	100000	380	24	8/20	3/8	3/8	3/8	300	35	72	12000/5455	150	150

NOTES

- All dimensions and weights are approximate.
- Based on 35,000 ppm seawater at 77°F (25°C). Recovery in the range of 10-40% depending on the system size. Operating pressure 800-1000 psi (57-71 kg/cm²)

ORDERING INFORMATION

Please add our voltage codes to the end of the model number when ordering. Example: S-14A-236 = 220/230v / 3 ph / 60 hz

Voltage Codes: 236 = 220 or 230v/ 3ph/ 60hz 235 = 220v/3ph/50hz
 436 = 460 or 480v/ 3ph/ 60 hz 335 = 380v/3ph/50 hz

No Single Phase Available

