

APPLIED[®] SYSTEMS

SERIES S – 2,000-100,000 GPD SEAWATER SYSTEMS

Designed to convert seawater to drinking water, these systems use high quality reverse osmosis seawater desalination membranes. The product water is used in a variety of areas including hotels, resorts, navy, and off-shore platforms. Designed for the demanding requirements of the marine environment, these systems use our proven technology to give reliable performance.

Key Features:

- Over 20 years of experience is reflected in our quality
- Heavy duty powder coated frame
- Proven components are used throughout the system
- Microprocessor Controlled Operation
- Conservatively engineered for reliable long term performance
- Factory tested to ensure trouble-free operation



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Distributed By:

Global Filter Corporation

1712 Woodcrest St. NE., Cedar Rapids, IA 52402

Toll Free: 877-603-1003 • Fax: 319-743-0220

<http://www.globalfiltercorp.com>

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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
- Stainless Steel High Pressure Pumps
- Pulsation Dampner
- Pressure Relief Valve
- Antiscalant Injection
- Auto Permeate Flush System with Tank, Pump & 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:
 - Delayed Start-Up of High Pressure Pump
 - Low and High Pressure Switch
 - RO and Auxiliary Pump Control Relays
 - Product Water Quality TDS
 - Permeate Dump
 - 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
 - Energy Recovery
 - Turbidity Meter
 - ORP Meter
 - Duplex Stainless Steel High Pressure Pump
 - Multimedia Filters
 - Crating*
- * Recommended Minimum Options*

Model	Capacity			Elements*		Line Sizes (In/cm)			Dimensions (In/cm)			Approx. Weight (lb/kg)
	GPM	GPD	m ³ /day	Qty.	Dia. (in/cm)	Inlet	Perm.	Conc.	Length	Width	Height	
S-24A	1.5	2,000	6	2	4/10	1.5/4	1/2.5	1/2.5	100/254	36/92	72/183	460/209
S-34A	2	3,000	11	3	4/10	1.5/4	1/2.5	1/2.5	100/254	36/92	72/183	490/223
S-44A	3	4,000	15	4	4/10	1.5/4	1/2.5	1/2.5	100/254	36/92	72/183	520/236
S-64B	4	6,000	23	6	4/10	2/5	1/2.5	2/5	134/340	36/92	72/183	725/329
S-28B	7	10,000	40	2	8/20	2/5	1/2.5	2/5	134/340	44/112	72/183	915/415
S-38A	10	15,000	60	3	8/20	2/5	1/2.5	2/5	134/340	44/112	72/183	1200/545
S-48B	14	20,000	75	4	8/20	2/5	1/2.5	2/5	134/340	44/112	72/183	1225/556
S-68B	17	25,000	95	6	8/20	2/5	1/2.5	2/5	134/340	44/112	72/183	1640/744
S-98C	24	35,000	130	9	8/20	3/8	2/5	2/5	174/442	44/112	72/183	2380/1080
S-128F	35	50,000	190	12	8/20	3/8	2/5	2/5	300/762	44/112	72/183	3065/1390
S-188F	52	75,000	284	18	8/20	3/8	2/5	2/5	300/762	44/112	72/183	3900/1769
S-248F	70	100,000	380	24	8/20	3/8	3/8	3/8	300/762	44/112	72/183	4730/2146

*Elements are 40" (102 cm) in length

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

No Single Phase Available

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