

# PRODUCT DATA SHEET

## AUTOMATIC WATER SOFTENING SYSTEMS

### HIGH FLOW COMMERCIAL 3900 SERIES



Model Shown: 3900-2000

#### Single Unit Standard Features:

- Electronic Control
- 3" Female Inlet/Outlet Connections
- Fleck 3900 Lead-Free Brass Valve
- Motor-Driven Piston-Operated
- Hard Water By-Pass
- Fiberglass Resin Tank
- Seamless Brine Tank
- Safety Overflow System
- Dry Salt-Grid System (thru 30" Brine Systems)
- Ports for Sample Valve & Pressure Gauge Installations

#### Optional Features:

- Mechanical Control
- Mechanical Meter Electronic or Mechanical Flow Meter
- Steel & Customized Resin Tank
- ASME Tank
- Pressure Gauges
- Sample Valves

#### Choice of Brine Tanks (Additional Sizes on Request)

Type	Dimensions	Salt Cap.	Salt Grid
Blow Molded	24" x 50"	800 lbs	Yes
Rotational Molded	30" x 48"	1200 lbs	Yes
Rotational Molded	39" x 48"	2500 lbs	No
Rotational Molded	42" x 60"	3600 lbs	No
Rotational Molded	50" x 60"	5000 lbs	No

## PRODUCT SPECIFICATIONS

Model No.	Media Qty Cubic Feet	Grains of Capacity			Flow @ 15 psi drop	Flow @ 25 psi drop	Media Tank Dia. X H	Max Drain Flow gpm	Distributor Type
		15 lbs/cu. ft.	10 lbs/cu. ft.	5 lbs/cu. ft.					
1000	10.0	300000	250000	200000	120 gpm	170 gpm	24" x 72"	12.0	Hub & Lat
1500	15.0	450000	375000	300000	160 gpm	215gpm	30" x 72"	20.0	Hub & Lat
2000*	20.0	600000	500000	400000	175 gpm	250 gpm	36" x 72"	30.0	Hub & Lat
3000*	30.0	900000	750000	600000	195 gpm	260 gpm	42" x 72"	40.0	Hub & Lat
4000*	40.0	1,200,000	1,000,000	800000	210 gpm	280 gpm	48" x 72"	50.0	Hub & Lat

Exchange capacity based on treating water with 10 grains per gallon total hardness @ 10 gpm per cu. ft. and free of color, odor and turbidity.

\*Minimum salt dosage is 6 lbs. per cu. ft.

### ADDITIONAL OPERATING INFORMATION

For use on potable water only.  
Not intended to be used to treat water that is micro biologically unsafe or of unknown quality.  
Installation must comply with all state and local codes.  
Tank dimensions are based on fiberglass only. Steel tanks dimensions will vary.

Operating Water Temperature Range  
Operating Ambient Temperature Range  
Operating Pressure Range  
Electrical Requirements  
Feedwater Turbidity  
Chlorine  
Iron

Max 100°  
Max 120°  
Max 125 psi

Minimum 35°  
Minimum 35°  
Minimum 20 psi  
24v-60hz  
5.0 N.T.U. Max  
1.0 mg/l Max  
>5 mg/l Consult Aqua Systems



Aqua Systems Commercial & Industrial • 114 Vista Parkway • Avon, Indiana 46123  
317-272-6715 • 800-997-5492 • Fax 317-272-6728  
www.aquasystemsci.com • e-mail: commercialindustrial@aquasys.biz