

# PRODUCT DATA SHEET

## AUTOMATIC WATER SOFTENING SYSTEMS

### HIGH FLOW COMMERCIAL 2850 SERIES



Model Shown: 2850-500

#### Single Unit Standard Features:

- Electronic Control
- 1-1/2" Female Inlet/Outlet Connections
- Fleck 2850 Lead-Free Brass Valve
- Motor-Driven Piston-Operated
- Premium Grade Softening Media
- Hard Water By-Pass
- Fiberglass Resin Tank
- Seamless Brine Tank
- Safety Overflow System
- Dry Salt-Grid System (thru 30" Brine Systems)
- Ports for Pressure Gauge & Sample Valve Installations

#### Optional Features:

- Mechanical Control
- 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

## 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.					
300	3.0	90000	75000	60000	30 gpm	41 gpm	14" x 65"	4.0	Std
400	4.0	120000	100000	80000	33 gpm	45 gpm	16" x 65"	5.0	Std
500	5.0	150000	125000	100000	36 gpm	49 gpm	18" x 65"	7.0	Std
700	7.0	210000	175000	140000	38 gpm	52 gpm	21" x 62"	10.0	Hub & Lat
1000	10.0	300000	250000	200000	42 gpm	56 gpm	24" x 72"	12.0	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.

### 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