

# Glass Water Systems

Hills: (813) 626-9498 \* Statewide: 1-877-345-2770



64,000 Grain Water Softener	\$1120.00
80,000 Grain Water Softener	\$1295.00
105,000 Grain Water Softener	\$1495.00
120,000 Grain Water Softener	\$1775.00
150,000 Grain Water Softener	\$1949.00
210,000 Grain Water Softener	\$2495.00

- Solid state microprocessor with easy access front panel settings
- Service flow rate of 34 gpm, backwash 32 gpm
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining slow rinse, second backwash, fast rinse, refill and downflow service
- Coin Cell Lithium battery back-up with an 8 hour carry over
- Backwash and brining ability to 21" diameter tanks
- Downflow or upflow brining regeneration
- 12-volt output AC Adapter provides safe and easy installation
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- Reliable and proven DC drive

**Certified to NSF/ANSI 61 and 372\***

**WARRANTY** 5 YEARS ON ALL CONTROLS WITH LABOR • 10 YEARS ON ALL TANKS WITH LABOR • 3 YEARS COMPLETE SYSTEM

**WS1 1.25" METERED  
WATER SOFTENER**

**9406 U.S. 92 MABRY  
TAMPA, FL. 33610**



Inlet/Outlet Fittings.....	¾" to 1.5" NPS
Cycles .....	up to 6
Valve Material.....	Noryl (1) or equivalent
Regeneration.....	Downflow

**Flow Rates**

Service @15 psi drop (includes bypass and meter).....	34 gpm
Backwash @ 25 psi drop (includes bypass).....	32 gpm (2)
Cv Service.....	8.8
Cv Backwash.....	6.4

**Operating Pressures**

Minimum/Maximum.....	20 psi – 125 psi
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**Operating Temperatures**

Minimum/Maximum.....	40° – 110° F
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**Meter**

Accuracy.....	± 5%
Flow Rate Range.....	0.25 – 34 gpm
Gallon Range.....	20 – 1,500,000 gallons
Totalizer.....	1000 - 9,999,000 gallons

**Dimensions & Weight**

Distributor Pilot.....	1.32" OD Pipe (1" NPS) or 32mm OD
Drain Line.....	¾" or 1" Male NPT
Brine Line.....	3/8" or ½" OD Poly Tube
Compression	
Mounting Base.....	2 ½" - 8 NPSM
Height From Top Of Tank.....	7 3/8"
Weight.....	4.5 lbs.

**Electrical Specifications AC Adapter**

U.S. International		
Supply Voltage.....	120V AC.....	230V AC
Supply Frequency.....	60 Hz.....	50 Hz
Output Voltage.....	12V AC.....	12V AC
Output Current.....	500 mA.....	500 mA

**Tank Applications**

Water Softener.....	6" – 21" diameter
Water Filter (3).....	6" – 24" diameter

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## Cycles of Operation

Softener Filter

Cycle Range of time in minutes

1. Backwash 1st (upflow)..... 1-95.....  
Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow).....1-180
3. Backwash 2nd (upflow)..... 1-95
4. Fast Rinse (downflow)..... 1-95..... Rinse 1-95
5. Regenerant Refill (in service with treated water)..... 0.1-99.0 or off
6. Service (downflow)

*Options: Backwash Filter, Bypass, Weather Cover*

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
2. Aquired by use of external drain line flow control
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

## Water Softener Information

### 64000 Grain Water Softener

Clack WS1 1.25 Metered Control Valve, 12x48 or 12x52 Fiberglass Resin Tank, 2 Cu Ft 10% Cross Linked Chlorine Resistant Resin, Gravel Under-bedding, 18x40 Polyethylene Brine Tank with Safety Cut Off, Bypass, and Tail Pieces

10 Gallon Per Minute Flow Rate 3 GPM Backwash

### 80000 Grain Water Softener

Clack WS1 1.25 Metered Control Valve, 13x54 Fiberglass Resin Tank, 2.5 Cu Ft 10% Cross Linked Chlorine Resistant Resin, Gravel Under-bedding, 18x40 Polyethylene Brine Tank with Safety Cut Off, Bypass, and Tail Pieces

12.5 Gallon Per Minute Flow Rate 3.5 GPM Backwash

### 105000 Grain Water Softener

Clack WS1 1.25 Metered Control Valve, 14x65 Fiberglass Resin Tank, 3 Cu Ft 10% Cross Linked Chlorine Resistant Resin, Gravel Under-bedding, 24x40 Polyethylene Brine Tank with Safety Cut Off, Bypass, and Tail Pieces

17.5 Gallon Per Minute Flow Rate 4 GPM Backwash

### 120000 Grain Water Softener

Clack WS1 1.25 Metered Control Valve, 16x65 Fiberglass Resin Tank, 4 Cu Ft 10% Cross Linked Chlorine Resistant Resin, Gravel Under-bedding, 24x40 Polyethylene Brine Tank with Safety Cut Off, Bypass, and Tail Pieces

10 Gallon Per Minute Flow Rate 3 GPM Backwash

### 210000 Grain Water Softener

Clack WS1 1.25 Metered Control Valve, 21x62 or 22x55 Fiberglass Resin Tank, 7 Cu Ft 10% Cross Linked Chlorine Resistant Resin, Gravel Under-bedding, 24x50 Polyethylene Brine Tank with Safety Cut Off, Bypass, and Tail Pieces

28 Gallon Per Minute Flow Rate 10 GPM Backwash