

## WATER TREATMENT SYSTEMS

Capacity is one of the first things you should look for in a water treatment system. The average family uses 80 to 100 gallons of water per person per day. That means a household of five requires 400 gallons of softened water daily.



### How a WS1 Hi-Flow System Softens Water

Hard water passes through the media tank that contains resin beads coated with sodium ions. The calcium and magnesium ions are exchanged for sodium (or potassium) ions, thus softening the water. When the beads have trapped the hardness and need to be regenerated, the Hi-Flow's control valve charges them with the brine from the brine tank.

As regeneration occurs, calcium and magnesium (hardness) ions are freed from the beads, replaced with sodium or potassium ions; and the system is ready to soften water again.

### Pro H2O Water Treatment Systems Feature:

- Up to six fully adjustable cycles
- Certified flow rates to 27 gpm
- Operating pressure to 125 psi
- Operating temperatures to 110°F
- Metered (DIR) or timed regeneration

### Brine tank performance insurance

All Charger water softeners may be ordered with optional salt grid which virtually prevents salt bridging.

### Demand Initiated Regeneration (DIR)

Save water and up to 40% in salt usage by adding meter-controlled regeneration to your unit.



WS1  
HI-FLOW  
SERIES

Your **Charger** Water  
Treatment Dealer:



## Clack WS1 1" Hi-Flow Metered Valve



| Model #                                            | Grain Capacity | Mineral Tank | Brine Tank  | SVC Flow |
|----------------------------------------------------|----------------|--------------|-------------|----------|
| <b>Cabinet Models with 1" Turbulator Backwash</b>  |                |              |             |          |
| CWWS116TC                                          | 16,000         | 8 X 35       | 13.5 X 22.5 | 11.0     |
| CWWS124TC                                          | 24,000         | 9 X 35       | 13.5 X 22.5 | 12.0     |
| CWWS132TC                                          | 32,000         | 10 X 35      | 13.5 X 22.5 | 13.0     |
| CWWS140TC                                          | 40,000         | 12 X 35      | 13.5 X 22.5 | 13.4     |
| <b>Cabinet Models with 1" Standard Distributor</b> |                |              |             |          |
| CWWS116RC                                          | 16,000         | 8 X 35       | 13.5 X 22.5 | 11.0     |
| CWWS124RC                                          | 24,000         | 9 X 35       | 13.5 X 22.5 | 12.0     |
| CWWS132RC                                          | 32,000         | 10 X 35      | 13.5 X 22.5 | 13.0     |
| CWWS140RC                                          | 40,000         | 12 X 35      | 13.5 X 22.5 | 13.4     |
| <b>2 Tank Models with 1" Turbulator Backwash</b>   |                |              |             |          |
| CWWS116T                                           | 16,000         | 7 X 44       | 15 X 17     | 11.0     |
| CWWS124T                                           | 24,000         | 7 X 44       | 15 X 17     | 11.0     |
| CWWS132T                                           | 32,000         | 8 X 44       | 15 X 17     | 12.0     |
| CWWS140T                                           | 40,000         | 9 X 48       | 15 X 17     | 13.0     |
| CWWS148T                                           | 48,000         | 10 X 44      | 15 X 17     | 13.4     |
| CWWS164T                                           | 64,000         | 10 X 54      | 15 X 17     | 14.6     |
| CWWS180T                                           | 80,000         | 12 X 48      | 15 X 17     | 14.9     |
| <b>2 Tank Models with 1" Standard Distributor</b>  |                |              |             |          |
| CWWS116R                                           | 16,000         | 7 X 44       | 15 X 17     | 11.0     |
| CWWS124R                                           | 24,000         | 8 X 44       | 15 X 17     | 11.0     |
| CWWS132R                                           | 32,000         | 9 X 48       | 15 X 17     | 12.0     |
| CWWS140R                                           | 40,000         | 10 X 44      | 15 X 17     | 13.0     |
| CWWS148R                                           | 48,000         | 10 X 54      | 15 X 17     | 14.6     |
| CWWS164R                                           | 64,000         | 12 X 52      | 15 X 17     | 14.9     |
| CWWS180R                                           | 80,000         | 13 X 54      | 15 X 17     | 15.0     |