



# CHARGER

Water Treatment Products



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CWWS1 Hi-Flow Series

Feel the clear difference luxurious, softened water  
brings to your family.

Cabinet Model	Model #	Liquid Capacity (gal)	Mineral Tank	Salt Capacity (lbs)	15 gpm per sq ft	25 gpm per sq ft
	<b>Cabinet Models with 1" Turbulator Backwash</b>					
	CWWS116TC	28	8 x 35	285	5.3	8.7
	CWWS124TC	27	9 x 35	279	6.6	11
	CWWS132TC	25	10 x 35	258	8.1	13.6
	CWWS140TC	20	12 x 35	208	11.7	19.6
	<b>Cabinet Models with 1" Standard Distributor</b>					
	CWWS116RC	28	8 x 35	285	5.3	8.7
	CWWS124RC	27	9 x 35	279	6.6	11
	CWWS132RC	25	10 x 35	258	8.1	13.6
	CWWS140RC	20	12 x 35	208	11.7	19.6
Single Tank Model	Model #	Grains Capacity	Mineral Tank	Salt Capacity (lbs)	15 gpm per sq ft	25 gpm per sq ft
	<b>Single Tank Models with 1" Turbulator Backwash and Brine Tank</b>					
	CWWS132T	32,000	8 x 44	15 x 17	5.3	8.7
	CWWS140T	40,000	9 x 48	15 x 17	6.6	11
	CWWS148T	48,000	10 x 44	15 x 17	8.1	13.6
	CWWS164T	64,000	10 x 54	18 x 36	8.1	13.6
	CWWS180T	80,000	12 x 52	18 x 40	11.7	19.6
	<b>Single Tank Models with 1" Standard Distributor and Brine Tank</b>					
	CWWS124R	24,000	8 x 44	15 x 17	5.3	8.7
	CWWS132R	32,000	9 x 48	15 x 17	5.3	11
	CWWS140R	40,000	10 x 44	15 x 17	8.1	13.6
	CWWS148R	48,000	10 x 54	15 x 17	8.1	13.6
	CWWS164R	64,000	12 x 52	18 x 36	11.7	19.6
	CWWS180R	80,000	13 x 54	18 x 40	13.82	23.04

Brine tanks and mineral tanks available in: black, almond, blue and platinum.

Jackets are available upon request.



**Brine tank performance insurance**  
All Charger water softeners may be ordered with optional salt grid which virtually prevents salt bridging.

## CWWS1 High-Flow 1" Control Specifications

Inlet/Outlet (1) ..... 3/4" to 1.5" NPS  
Cycles ..... up to 6  
Valve Material ..... Fiber Reinforced Composite  
Regeneration ..... Downflow/Upflow

### Control Valve Flow Rates

Service @ 15 psi drop (includes bypass and meter) ..... 27 gpm  
Backwash @25 psi drop (includes bypass) ..... 27 gpm  
Cv Service ..... 7.0  
Cv Backwash ..... 5.4

### Operating Pressures

Minimum/Maximum ..... 20 psi - 125 psi

### Operating Temperatures

Minimum/Maximum ..... 40°-110°F



# Why **SOFT** WATER?

## **Your Water, The Universal Solvent!**

Water is considered the universal solvent. As it passes from liquid to vapor and back again, it tends to dissolve everything it touches - whether in the air as water vapor where it can mix with sulfur from smoke stacks forming acid or from the ground, absorbing calcium, magnesium, sulfur, iron, lead and limestone - water can have a negative impact on you, your household and your pocketbook.

Depending on where you live, contaminants from sewage, industrial waste and agricultural run-off can also seep into your water supply.

## **Hard water produces scale**



Stains or buildup on your sinks and bathtubs, using large amounts of soap to clean dishes or wash your hair, or odd tasting or smelling water, are all results of hard water. If left untreated, the minerals in hard water will cause yellow stains on plumbing fixtures and be deposited as scale, eventually clogging plumbing and shortening the life of appliances like washing machines, water heaters, and dishwashers.

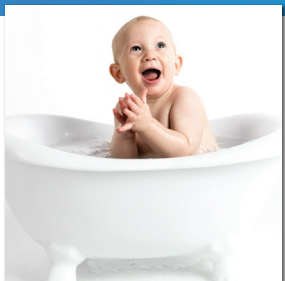
## **How a CWS1 Hi-Flow System Softens Water**

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.

*Water Treatment Systems eliminate the effects of hard water. They "soften" the water by removing the calcium and magnesium, extending the useful life of water heaters, coffee-makers, humidifiers and household plumbing as well as many other appliances and fixtures that water passes through by as much as 30%.*

**Soft water makes a difference you can see and feel, all over the house.**



### **IN THE BATHROOM:**

- Gentle and less dry for skin
- Better lather
- Eliminate soap scum and mineral deposits



### **IN THE LAUNDRY:**

- Clothes are softer, cleaner, whiter and brighter
- Increase clothing life up to 33%
- Extend the life of your washing machine



### **IN THE KITCHEN:**

- Spot-free, cleaner dishes
- No film or mineral etching on glass

# REVERSE OSMOSIS

## *Drinking Water System*

### ***The 'RO' of the system is the secret.***

RO is Reverse Osmosis. This is the natural process which sets the foundation of RO systems. It may sound technical, but osmosis is a natural, organic phenomenon, a process that occurs in nature on a continuous basis. Vegetation, like trees, plants and flowers attain their nutrients by using osmosis to draw water from the soil.



### **REDUCED CONTAMINANTS:**

Arsenic, Barium, Cadmium,  
Chromium III & VI, Copper,  
Fluoride, Lead, Nitrate,  
Nitrite, Radium 226 & 228,  
Selenium, Turbidity, TDS

### **The HydroSplash Reverse Osmosis (RO) Drinking Water System** uses a

combination of filtration technologies to reduce unwanted contaminants in a water supply. This unit is designed to reduce the dissolved mineral content of the water. In the RO process, dissolved minerals are separated from the incoming water to produce the product water. The excess minerals are rinsed to drain.

### **Reverse Osmosis (RO) works like this:**

The pressure from a household tap forces water through a semipermeable membrane. This membrane separates the water at the molecular level. The membrane acts like a filter, assuring the RO water has substantially reduced impurities and dissolved solids. This cleaner, more refined water is then stored in a holding tank, ready at your convenience.



### **BENEFITS:**

Your Charger Water  
Treatment Dealer:

- Delicious, sparkling-clear drinking water
- Convenience: fresh, clean water at your faucet
- Pristine, flavorful coffee, tea and juice
- Quality water for your aquarium
- Cleanly rinsed fresh fruits and vegetables
- Crystalline, harder and clearer ice cubes
- Prolong the life of your humidifier or steam iron
- Spotless glassware when rinsed with RO water
- Cost effective: no more bottled water costs
- Better tasting soups, sauces and meals
- Environmentally sound: no chemicals
- Great for family pets