



## FEATURES

- ✓ Designer Lead Free Faucet provides elegance and durability
- ✓ SHOK BLOK™ - Filter Protection Valve
- ✓ 4.5 Gallon Storage Tank
- ✓ NSF Certified Materials
- ✓ FLOWLOK™ - Leak Detector Water Shut Off Valve
- ✓ Easy Installation
- ✓ No tools required for filter change



HDGT-45CP

**Total Care<sup>SM</sup>**  
Filtration



## BETTER THAN BOTTLED WATER AND AT YOUR FINGERTIPS!

### Why lift and lug bottles?

Why purchase and lift heavy awkward to carry bottled water when you can have your own mini water bottling plant right under your kitchen sink!

Keep your drinking water clean and safe with the **Hydro Guard™** HDGT-45 Series Reverse Osmosis System. It reduces the levels of lead, nitrates, cysts (cryptosporidium, giardia), arsenic, sodium and other contaminants commonly found in unfiltered tap water. The easy to install system offers quality water at your fingertips 24 hours a day, 7 days a week, 365 days per year. **Hydro Guard Quick and Easy<sup>SM</sup>** Cartridges makes filter changes fast, convenient and sanitary. Your family, friends and pets will love the taste and enjoy all the benefits of healthy water.

## WATER FILTRATION IS SERIOUS BUSINESS!

Quality drinking water is not a matter of chance, it's a matter of choice! **Hydro Guard™** firmly believes that when you have a good product there is no need to hype it or over promise. Our formula for success is quite simple; speak frankly to our customers, explain in simple terms why our product is better, produce a quality product that protects the health of its users and help one customer at a time solve their drinking water problems!

Our **Hydro Guard™** line of water filtration systems are simple to install and even easier to maintain. We want each and every one of our customers to enjoy all the benefits of having their own mini water bottling plant underneath their sink. Our compact design and our **Hydro Guard™ Quick and Easy<sup>SM</sup>** Cartridges make filter change outs easy and convenient. Simply install any one of our **Hydro Guard™** water filtration systems and enjoy all the benefits of cleaner, safer, tastier more refreshing water, filtered at the point of use not days, weeks or even months before!

## TOTAL CARE<sup>SM</sup> – 4 stage filtration offers you 5 Stage quality with only 4 filters to replace!

### USES HYDRO GUARD™ REVERSE OSMOSIS REPLACEMENT FILTER NUMBERS:

|                                  |                  |
|----------------------------------|------------------|
| 5 Micron Sediment Prefilter:     | <b>HDGT-SED5</b> |
| 5 micron Carbon Block Prefilter: | <b>HDGT-CB5</b>  |
| 50 Gallon Per Day Membrane:      | <b>HDGT-TW50</b> |
| Carbon Post/Polishing Filter:    | <b>HDGT-CB5P</b> |

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DURABLE AND ELEGANT



CLEAN • CLEAR • SAFE

## PRODUCT SPECIFICATIONS

### DIMENSIONS

|         |         |            |
|---------|---------|------------|
| Height: | 15 in   | (381 mm)   |
| Length: | 14.6 in | (370.8 mm) |
| Width:  | 4.6 in  | (116.8 mm) |

### GENERAL FEATURES

Filtration Method: Reverse Osmosis

### WARRANTIES & COVERAGE

General Warranty: 3 Year Limited Warranty

## FEATURES

If other systems are just base models, the **HYDRO GUARD™** RO-45 series comes very well equipped with features other water systems simply don't offer.

The **HYDRO GUARD™** HDGT-45 series Reverse Osmosis system offers the filtration capabilities of a conventional 5 stage system, with the advantage of less filters to replace. Thus, offering a more cost effective system.

All HDGT-45 series systems come with:

- High performance filters.
- Durable and Elegant faucet.
- **SHOK BLOK™** system protection valve
- Parts made with NSF approved material.
- **FLOWLOK™** Leak Detector Water Shut Off Valve.
- Quick and Easy to change filters.
- Durable UV resistant plastic reduces yellowing.



## BENEFITS

Total Care Filtration is exactly what the words imply, the **HYDRO GUARD™** HDGT-45 series system gives you fresh tasting, delicious, crystal clear water at your fingertips while addressing contaminants of health concern like Lead, Arsenic, Asbestos, Cysts, Mercury and many others. With an ice maker tee (sold separately) you can easily tee off to the ice maker in your refrigerator so you can benefit from safer, great tasting water dispensed from your refrigerator as well.

- Easy Installation
- Eliminate up to 99% of dissolved solids, chlorine, fluoride, microorganisms and heavy metals such as barium, cadmium, chromium, lead and mercury.\*\*
- Can be used to supply filtered water to a refrigerator ice-maker/water-dispenser by inserting a branch tee fitting. (sold separately)
- Quick-Connect in/out connection points for easy installation.
- Complete installation kit and product manual included with every system.

We encourage **HYDRO GUARD™** customers to use their water system for all their cooking and beverage needs. It simply doesn't make sense to drink better quality water and cook with water of questionable or of unknown quality.



### SHOK BLOK™

A system protection valve designed to protect your water system from water hammer and spikes in water pressure.



### FLOWLOK™

A unique device that works through a special compressed fabric disc that expands upon contact with water. If the Flowlok disc detects water it expands and pushes the shut off lever to turn the water off to the system.

*NOTICE: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.*

*\* NSF Standard 53 Certification Pending.*

*\*\* This water filtration device has not finalized certification with NSF International and has not been approved by the California Water Resource Control Board, therefore, it is not available for sale in the State of California for the contaminant reduction claims listed.*

*Serious Filtration for a thirsty planet™*

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# Impression Series® Sulfur & Iron

Fresh clean water from your well, every time

FILTRATION



Impression® Air Sulfur (IMS) and Air Iron (IMFE) filters are extremely effective in removing hydrogen sulfide and iron, commonly associated with problem well water. These systems use a unique air-injection filtering technology to oxidize sulfur or iron into precipitates (solids) that can be readily filtered and removed — the result is simply refreshingly good water from the tap, every time.

#### System Features:

- **Environmentally safe** — no chemicals
- Solid-state microprocessor control
- Easy programming for optimum performance
- Patented “inch worm” technology prevents water hammer due to excessive air during regeneration
- Advanced history, diagnostic screens, and battery backup
- Optional ozone kit for additional bacteria control
- Low cost operation
- Service Alarms



#### *Air Sulfur System Will:*

- Remove sulfur and associated rotten egg odors
- Reduce turbidity

#### *Air Iron System Will:*

- Remove iron
- Eliminates red staining that is commonly found on fixtures and appliances
- Reduce turbidity

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*Impression Plus®  
model shown with  
backlit display  
and top flange*

## Impression Series® *Air Sulfur & Air Iron Filtration*

### *The Media*

The IMS uses a high-grade, activated catalytic media that is produced with a patented process and manufactured to speed up the reaction rate in the media. It is unique in that it concentrates contaminants within the pores of the media and then promotes their reaction on the surface of the pores.

The IMFE media acts as an insoluble catalyst to enhance the reaction between oxygen and iron compounds. This process converts iron to particles that can be easily filtered out.

### *The Electronics*

The microprocessor captures all water conditioning operations, including gallons per day, total gallons, peak flow rates, and total regenerations. Time is also held in memory and protected by a built-in battery backup.

### *The Control Valve*

A rugged, Noryl™ control valve handles high flow rates without dropping household water pressures — like when showers, toilets and faucets are all in use at the same time.



### Great Water From The Tap

Impression Series® air charge filters are successful in effectively removing high levels of sulfur and iron commonly found in well water. These filtration systems are often used in combination with other Impression water softeners to provide a total treatment solution. All IMS and IMBFE filters are **environmentally safe**, eliminating the need for chemicals and feed pumps.

### Impression Plus Model

The Impression Plus (IMPS & IMPFE) models feature an advanced controller that features a backlit LED display screen plus a top tank flange that makes service a breeze.

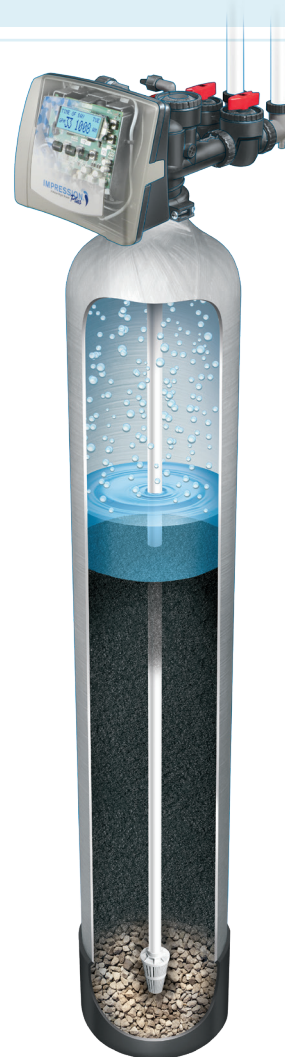
### How It Works

The media bed works in combination with an air charge chamber within the tank to oxidize and filter the elements that cause sulfur and iron. At the programmed time, the system will regenerate using ordinary water to backwash the system clean of sulfur, iron and other well water contaminants.

[See how it works at water-right.com](http://water-right.com)

### Inch Worm

Inch Worm is an adjustable cycle that allows the control valve to slowly “inch” its way into backwash, allowing air to escape slowly instead of one “rush.” This slow release of air virtually eliminates the thrashing of drain lines or noisy discharge of air to drain when the valve first advances to backwash.



*Your local water treatment professional:*

*Due to extreme bacteriological conditions, Impression Series® Air filters may require additional disinfection, especially in warm weather climates. Please contact dealer for more information.*

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# Impression Series® *Ozone Kit*

Odor-free, fresh water from your well, every time

**SPECIALTY  
PRODUCTS**



Impression Series Iron and Sulfur filters have been a staple for treating problem water for many years. These simple yet effective systems can now be fitted with an optional O<sub>3</sub>zone Generator Kit. The new ozone generator can now be ordered as an individual component instead of a kit. Ozonation aids in the cleaning of the system with no harmful byproducts.

Ozone Generators are compatible with Impression Series Sulfur Filters (IMS / IMPS) and Impression Series AirCat Filters (IAG / IPAG / IACG / IPACG).

#### **Impression Series Filters with Ozone Features:**

- **Environmentally safe** — no chemicals
- Easy programming for optimum performance
- Patented “inch worm” technology prevents water hammer due to excessive air during regeneration
- Advanced history, diagnostic screens, and battery backup
- Low cost operation

The Impression Series Ozone Kit, IMS/IMPS, IAG/IPAG, or IACG/IPACG is not intended to aid in the mitigation of microorganisms and is not duly registered as a pesticidal device.



#### *IMS / IMPS Will:*

- Reduce sulfur—rotten egg odors
- Reduce particle turbidity

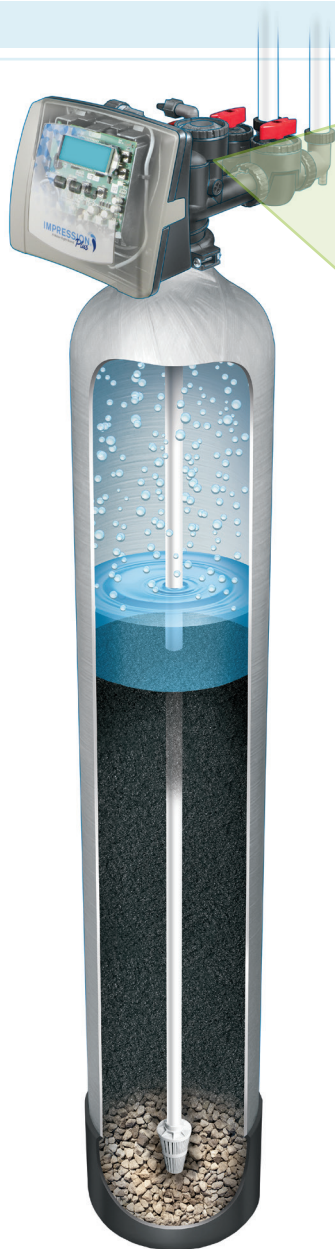
#### *IAG / IPAG Will:*

- Reduce iron
- Reduce sulfur—rotten egg odors
- Reduce particle turbidity

#### *IACG / IPACG Will:*

- Reduce iron
- Reduce sulfur—rotten egg odors
- Correct mildly acidic water
- Reduce particle turbidity

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## O<sub>3</sub>zone Generator Features

- Proprietary design
- Chemical-free, environmentally safe
- Water-Resistance enhanced
- Smaller cell with same ozone production
- More robust concealed/potted electronics
- Audible notification if service is required
- Easy snap-on mounting clip

## Impression Series Air Filters with Ozonation

### How it Works

During regeneration, air filters recharge the top portion of the media tank with air. This recharged air oxidizes contaminants in the water, allowing them to be filtered out through the media below.

The Ozone Generator activates during the air-draw cycle of regeneration. As air is being drawn into the tank, it passes through an electrical field created by the ozone generator which converts normal oxygen (O<sub>2</sub>) to ozone (O<sub>3</sub>). The generated ozone is then drawn into the tank which helps clean the unit of nuisance, slime producing bacteria. This process produces no chemical by-product and is environmentally safe.

1

Corona Discharge



2

Oxidation



3

'Green' By-Product



## The Impression Series Advantage

As with all Impression Filter Air Systems, this advancement enhances many of the other unique features such as advanced history screens, unmatched programming capabilities, diagnostic screens, and our patented "Inch Worm" technology.

### Inch Worm

Inch Worm is an adjustable cycle that allows the control valve to slowly "inch" its way into backwash, allowing air to escape slowly instead of in one "rush." This slow release of air virtually eliminates the thrashing of drain lines or noisy discharge of air to drain when the valve first advances to backwash.

Combine all these features, and that is the Impression advantage.



Your local water treatment professional:

*The Impression Series Ozone Kit, IMS/IMPS, IAG/IPAG, or IACG/IPACG is not intended to aid in the mitigation of microorganisms and is not duly registered as a pesticidal device.*

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The unique ONE™ cartridge tank filter system, designed to replace smaller, commonly used cartridge filters, is the ideal solution for the removal of a multitude of particulates and chemical contaminants. The ONE system can utilize a variety of large capacity cartridges which greatly extends replacement frequency. Enjoy clean, crystal clear water from our revolutionary ONE system that is easy to use and virtually maintenance-free.



#### System Features:

- Cartridges specially designed for higher flow rates and higher contaminant retention capacities
- Wide variety of application-specific cartridges available, including certified lead, PFOA/PFOS, and cyst reduction
- Easy access to cartridge for service and replacement purposes — no special tools required
- Optional bottom drain — allows particles to flush from the system and extends cartridge life
- Simplified installation — inlet and outlet at the top of the tank



#### *Effectively Filters Water in Residential Applications*

- Primary whole house filtration
- Taste and odor removal
- Lead, PFOA/PFOS and cyst reduction
- Particulate removal
- Extended cartridge life





Say goodbye to cumbersome tools...  
Easy access, quick change cartridge filter  
replacement. Installs from above with the  
removal of a patented snap-ring design.

## ONE™ Filtration

### Residential CW-840-PB

The CW-840-PB Cartridge Tank comes equipped with a top mount valve including bypass and is available in multiple cartridge types. These filters offer excellent filtration and, because of their size, outstanding retention capabilities for residential and light commercial applications.



#### Carbon Block Filters (Blue Series)

This filter type offers the benefit of carbon block filtration for the removal of particulates and taste and odor issues, with exceptional flow rates up to 28 gpm at 3 PSI pressure drop.

**CT-03-CB-IO:** 3 micron carbon block

**CT-20-CB-IO:** 20 micron carbon block

**CT-03-CB-AMINE-IO:** 3 micron carbon block chloramine reduction

**CT-05-CB-AMCYL-IO:** 0.5 micron carbon block lead, PFOA/PFOS, and cyst reduction



#### Double Pleated Depth Filters (Orange Series)

This filter type offers depth filtration down to 5 micron, while the double pleated layer design allows for flow rates up to 30 gpm at a 3 PSI pressure drop.

**CT-1005-IO:** 10 micron outer filter x 5 micron inner filter

**CT-2010-IO:** 20 micron outer filter x 10 micron inner filter

**CT-5020-IO:** 50 micron outer filter x 20 micron inner filter

#### (Green Series)

**CT-20Nano-AG-IO:** 20XNANOAL™ with AG double pleated cartridge

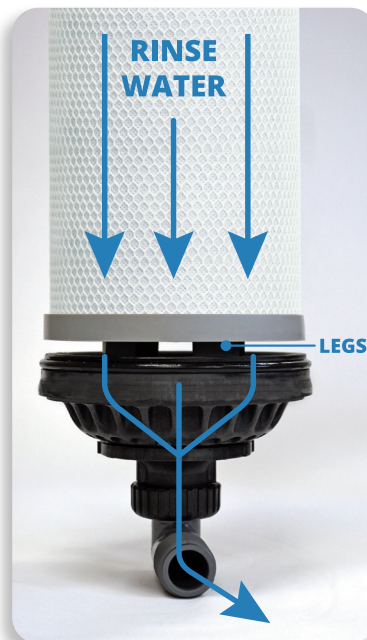


#### String Wound/Meltblown Depth Filters (Yellow Series)

This filter type offers depth filtration down to 5 micron in a standard string wound configuration with a "meltblown" core and allows for 24 gpm at 3 PSI pressure drop.

**CT-2005-SWMB-IO:** 20 micron string wound x 5 micron core

**CT-5020-SWMB-IO:** 50 micron string wound x 20 micron core



The time between changes is enhanced due to the size and capacity of the ONE filter to remove dirt and contaminants from your water.

The exclusive 'stand off' leg feature at the bottom of each cartridge allows debris to clear from the filter and clear from the tank through the bottom drain.



#### CERTIFIED FOR LEAD, PFOA/PFOS, AND CYST REDUCTION:

The CT-05-CB-AMCYL-IO filter is an ideal solution for the reduction of a multitude of particulates including lead, PFOA/PFOS, cysts. A Water-Right softener or filter completes the package with advanced electronics to help meter the water treated, also known as our Performance Indication Device (PID). Together, the system is certified to effectively treat 100,000 gallons of water before the cartridge needs to be replaced.

Lead / Cyst Claim Number: EPA Est #092577-OH-001

Flow rates are based on each specific application, micron rating, solids content and a number of other factors. User should consider these factors when selecting the tank and cartridge filter for their particular requirements.

### LEAD / CYST REDUCTION CARTRIDGE SPECIFICATIONS

| MODEL             | SIZE   | MICRON RATING | RATED CAPACITY & FLOW RATE   | PEAK FLOW & % REDUCTION OF LEAD ONLY  | PRESSURE DROP             |
|-------------------|--------|---------------|--|---|---------------------------|
| CT-05-CB-AMCYL-IO | 8"x40" | 0.5           | 50,000 gallons @ 4.51 GPM (378,541 Liters @ 17.1 lpm)<br>99.62% lead reduction<br>99.95% cyst reduction<br>97.9% PFOA/PFOS reduction | 8 GPM (30.2lpm) @ 99.62% reduction<br>(*) >88,000 gallons at 8 GPM (333,116 Liters @ 30.2lpm) | 15 psid<br>0.5 @ 4.51 GPM |

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## RC Series Water Softeners



- Cleaner Laundry
- Sparkling Dishes
- Improved Dining
- Plumbing Protection
- Bottom Line Savings



The RC Series softeners bring household water to a new level of quality with the convenience of advanced controls and proven system performance. The metered, or time clock microprocessor-based controllers, and LCD displays simplify system programming and operation. The RC Series does the rest. Laundry soaps and shampoos clean better than ever. Best of all, your RC Series water softener will minimize system salt and water usage.

- **Modular Design.** Provides quick serving of the control. No bolts or screws means most repairs can be done without tools.
- **Adjustable Regeneration Cycle Sequences.** Programming can be adjusted to handle your exact water conditions.
- **Push-button Simplicity.** All settings and information retrievable at your fingertips.
- **Non-corrosive Construction.** All components are made of fiberglass, stainless steel or similar materials to provide years of service without rust or corrosion.
- **Hefty Brine Tank.** Large, 300 lb. capacity tank reduces the frequency of salt refill. Salt support platform keeps the salt dry and stops "mushing." Safety brine valve prevents overflow of salt brine.
- **Full Flow Bypass Valve.** Easy to use, two handle valve allows you to water the garden or yard with raw water. Large porting prevents pressure drop.



### An Advanced Control Head

The RC Series control head electronically meters water consumption and automatically initiates the regeneration cycle only when needed. The “brains” of the RC Series adjust to your lifestyle and changing water usage, minimizing system salt and water consumption, while monitoring and recording system performance, including:

- Days since last regeneration
- Gallons since last regeneration
- Reserve based on last 21 days of water usage
- Water flow rates
- Peak flow over last seven days
- Total days since start-up
- Total regenerations since start-up
- Total gallons used since start-up
- Program cycle times and sequence of cycles

This 5-button control head also features an easy-to-read LCD display, convenient push-button interface and a manual regeneration mode. If the power fails, just reset the clock – all settings and historical data will remain unchanged.

**Note: The 5-button metered control head is standard on the RC Series.**

### Optional Time Clock Control Head

An optional, less expensive, time clock control head is also available on the RC Series Water Softeners. Regeneration cycle is now initiated based on programmed day and time. This 3-button control head also allows simplified programming and history viewing.

- Easy-to-read LED display
- Cycle times set by factor
- Adjustable regeneration times
- Push-button time setting
- Convenient manual regeneration

**Note: The 3-button time clock control head is optional on the RC Series.**



The RC Series represents an advanced line of water softeners designed to handle the most demanding household needs. Whether the water is from a municipal source or a private well, the RC Series is highly effective in removing unwanted hardness or minerals. Use the RC Series alone or in combination with RC filters and neutralizers to tackle some of the most challenging water problems.

Count on your CP dealer for expert assistance in analyzing your water quality and recommending the system best suited to your water conditions and household needs. With a properly configured system, you'll be sure to enjoy the economies of minimal salt and water usage that the RC Series offers.

**The RC Series gets the job done the first time.**

- models to handle any size household, large or small
- saves on water and salt usage
- excellent softening capacity
- simplified operator interface
- built-in memory
- fully programmable

### Optional RC Series Cabinet

The RC Series cabinet design offers excellent space savings while still allowing up to 150 lbs. salt storage.



### CAPACITY SPECIFICATIONS

| MODEL                                     |            | CPR948C       | CPR1054C      | CPR1252C      | CPR1354C      | CPRC935C        |
|---|------------|---------------|---------------|---------------|---------------|-----------------|
| <sup>1</sup> Capacity: (Grains/Lbs. NaCl) | Maximum    | 32,000 @ 15.0 | 48,800 @ 21.0 | 57,400 @ 24.0 | 72,800 @ 24.0 | 25,600 @ 12.0   |
|   | Medium     | 28,400 @ 9.0  | 44,400 @ 15.0 | 52,700 @ 18.0 | 64,200 @ 18.0 | 18,900 @ 6.0    |
|   | Minimum    | 23,600 @ 6.0  | 35,400 @ 9.0  | 40,000 @ 10.0 | 53,000 @ 12.0 | 11,800 @ 3.0    |
| Amount of Media (Cu. Ft.)                 |            | 1.0           | 1.5           | 2.0           | 2.5           | 0.8             |
| Maximum Water Hardness (GPG)              |            | 75            | 100           | 100           | 100           | 50              |
| <sup>2</sup> Maximum Iron (PPM)           |            | 1.0           | 1.0           | 1.0           | 1.0           | 1.0             |
| Minimum pH Required                       |            | 7             | 7             | 7             | 7             | 7               |
| <sup>3</sup> Peak Flow Rate (GPM @ P-PSI) |            | 17.1 @ 15.0   | 14.3 @ 15.0   | 14.3 @ 15.0   | 18.5 @ 15.0   | 12.2 @ 15.0     |
| Continuous Flow Rate (GPM @ P-PSI)        |            | 5.0 @ 2.8     | 5.0 @ 3.8     | 5.0 @ 3.2     | 5.0 @ 2.4     | 5.8 @ 5.4       |
| Water Pressure Range (PSI)                |            | 25-100        | 25-100        | 25-100        | 25-100        | 25-100          |
| Water Temp. (°F)                          |            | 33-100        | 33-100        | 33-100        | 33-100        | 33-100          |
| Electrical Requirements (volts-hertz)     |            | 110-50/60     | 110-50/60     | 110-50/60     | 110-50/60     | 110-50/60       |
| Pipe Size                                 |            | 1"            | 1"            | 1"            | 1"            | 1"              |
| Total Dimensions:                         | Media Tank | 9"W X 56"H    | 10"W X 62"H   | 12"W X 60"H   | 13"W X 62"H   | 13.5"W X 42.5"H |
|   | Brine Tank | 18"W X 36"H   | 18"W X 36"H   | 18"W X 36"H   | 18"W X 40"H   |                 |
|   | Depth      |               |               |               |               | 22.5"           |

<sup>1</sup> All CPR Series units are factory set for Medium Salting.

<sup>2</sup> Iron removal may vary depending on form of iron, pH, and other local conditions.

<sup>3</sup> The peak flow rates listed above do not represent the maximum service flow rate used for determining the softener capacity and efficiency ratings. Continuous operation at flow rates greater than the maximum service flow rate may affect capacity and efficiency performances.

**NOTE:** When specifying, be sure to indicate which control head. Add "3" for the 3-Button Time Clock head, or "5" for the 5-Button metered control head. (ex. "CPRC935C5" is the largest model above with a 5-button metered control head.)

*Your local water treatment professional:*