

# The Choice Is Clear

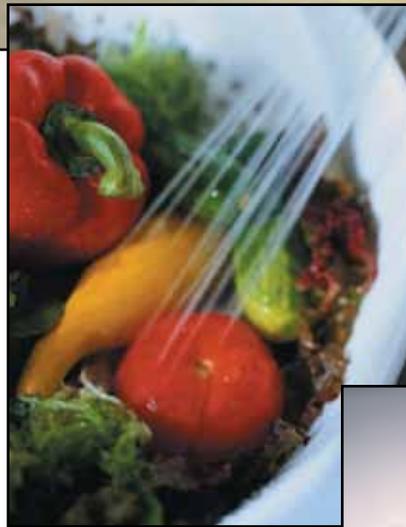
## The oldest and most respected American brand in the water treatment industry.

Since 1953, RainSoft has provided premium water treatment systems to families and businesses across the country and around the world.

Our state-of-the-art facility in Chicago serves the world's need for clean water, through our exclusive worldwide dealer network with over 400 locations.

Commercially endorsed by thousands of schools, hotels, restaurants, car washes and more. The finest businesses and institutions put their trust in RainSoft.

RainSoft products are engineered, manufactured and tested to stringent quality control standards. Together with our extensive dealer network, we comprise thousands of water treatment professionals dedicated to making your life easier, cleaner and healthier.



# The Choice Is Clear

RainSoft products are engineered, manufactured and tested to stringent quality control standards. Together with our extensive dealer network, we comprise thousands of water treatment professionals dedicated to making your life easier, cleaner and healthier.



*RainSoft*  
Environmental Products for the Home ...since 1953

# The Choice Is Clear

## EC4 Electronics

### FEATURES:

- Large two line LCD display with easy to read and user friendly programming.
- Flash memory– never needs reprogramming.
- Super capacitor eliminates the need for a battery back up and never needs changing.
- Robust outdoor design with conformal coating on the computer board and sealed water proof switches allows the system to be installed in the toughest environments.
- Auto restart ensures you always have conditioned water even if the power goes out.
- Life time warranty on all components including electrical parts. The strongest in the industry period.
- Proportional brining and rinsing a RainSoft exclusive that not only saves on regenerant but save water as well.
- Low regenerant alarm ensures you will never run out of conditioned water.
- Built in accessory alarms that informs you of regular maintenance requirements including maintenance for other components such as drinking and specialty filters.

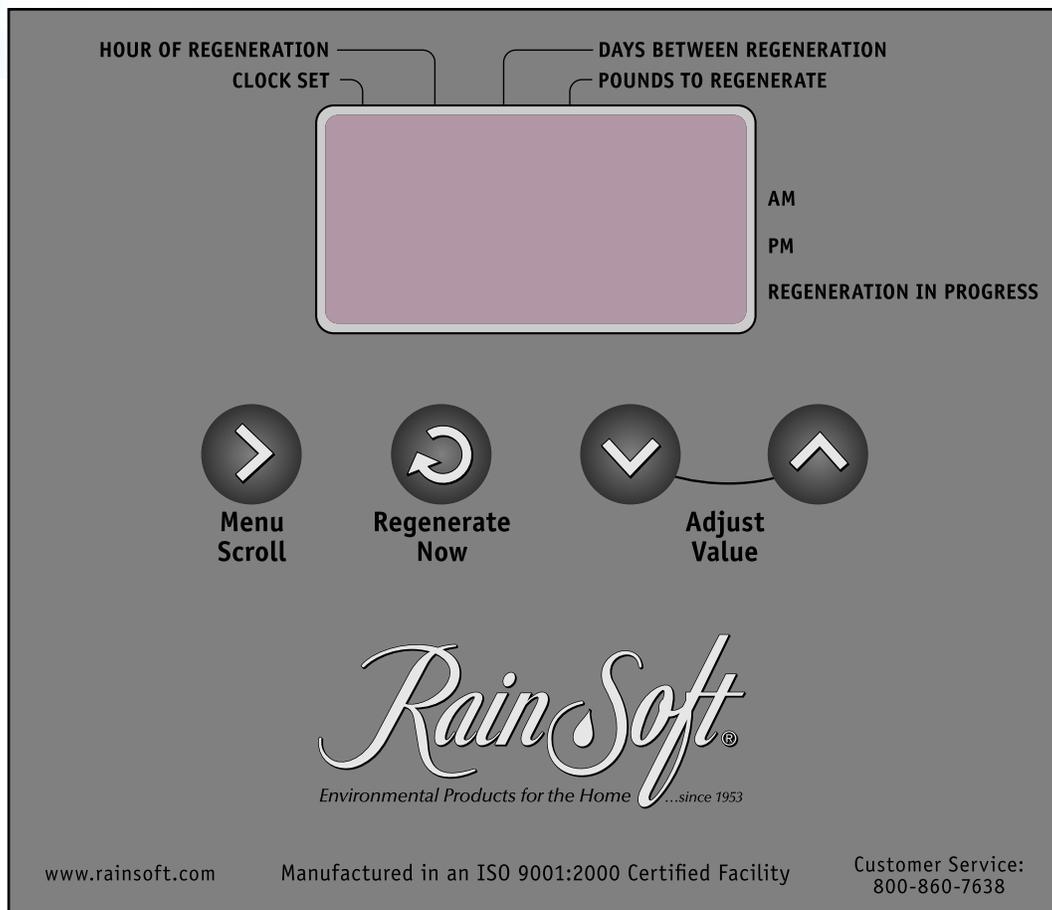


# The Choice Is Clear

## TC Electronics

### FEATURES:

- Automatically controls system operation.
  - Flash memory– never needs reprogramming.
  - Super capacitor eliminates the need for a battery back up and never needs changing.
  - Robust outdoor design with conformal coating on the computer board and sealed water proof switches allows the system to be installed in the toughest environments.
- Proportional rinsing saves water by using only the amount that is needed.
  - 10 year limited warranty on all electrical components.



# The Choice Is Clear

## INVESTMENT = VALUE!

**Overemphasis on price often favors inferior, second rate products.**

If you choose to buy based on price alone, you are giving up one or more of three things:

- QUALITY
- WARRANTY
- SERVICE
- PERFORMANCE



# The Choice Is Clear

## INVESTMENT = VALUE!

Overemphasis on price often favors inferior, second rate products.

If you choose to buy based on price alone, you are giving up one or more of three things:

- QUALITY
- WARRANTY
- SERVICE
- PERFORMANCE



# The Choice Is Clear

## RainSoft offers the finest in:

- *Product Certifications*
- *Electronics*
- *Control Valve*
- *Flow Rates*
- *Carbon*
- *Resin*
- *Mineral Tank*
- *Regenerant Tank*
- *Warranty*



# The Choice Is Clear

## Product Certifications

RainSoft submits products for independent testing and certification. That's your guarantee that our water treatment systems will perform as designed, and as advertised.



### NSF

NSF is a leader in developing standards and independent testing of residential and commercial water treatment devices. Conducts annual facility inspections and periodic product retesting to ensure compliance with national public health standards.



### WQA - Water Quality Association

The WQA Gold Seal Certification is the consumers assurance that RainSoft products will perform as designed. WQA uses the NSF test protocol for certification.

The Water Quality Association's Gold Seal Certification Program is dedicated to providing public health and safety services throughout the USA and globally, while maintaining expert service, superior reputation, and fair pricing. The material safety, performance and durability of the equipment have earned the Gold Seal.



### Underwriters Laboratories

RainSoft's electrical and electronic control components carry the UL seal for electrical standards and compliance.



### CE - the recognized standard on products sold throughout Europe

RainSoft products comply with the European Union's CE standards for electrical conformity.

# The Choice Is Clear

## Control Valve

**Quality + Simplicity = Reliability**

Over one million installed worldwide.

Teflon coated piston will last a lifetime.

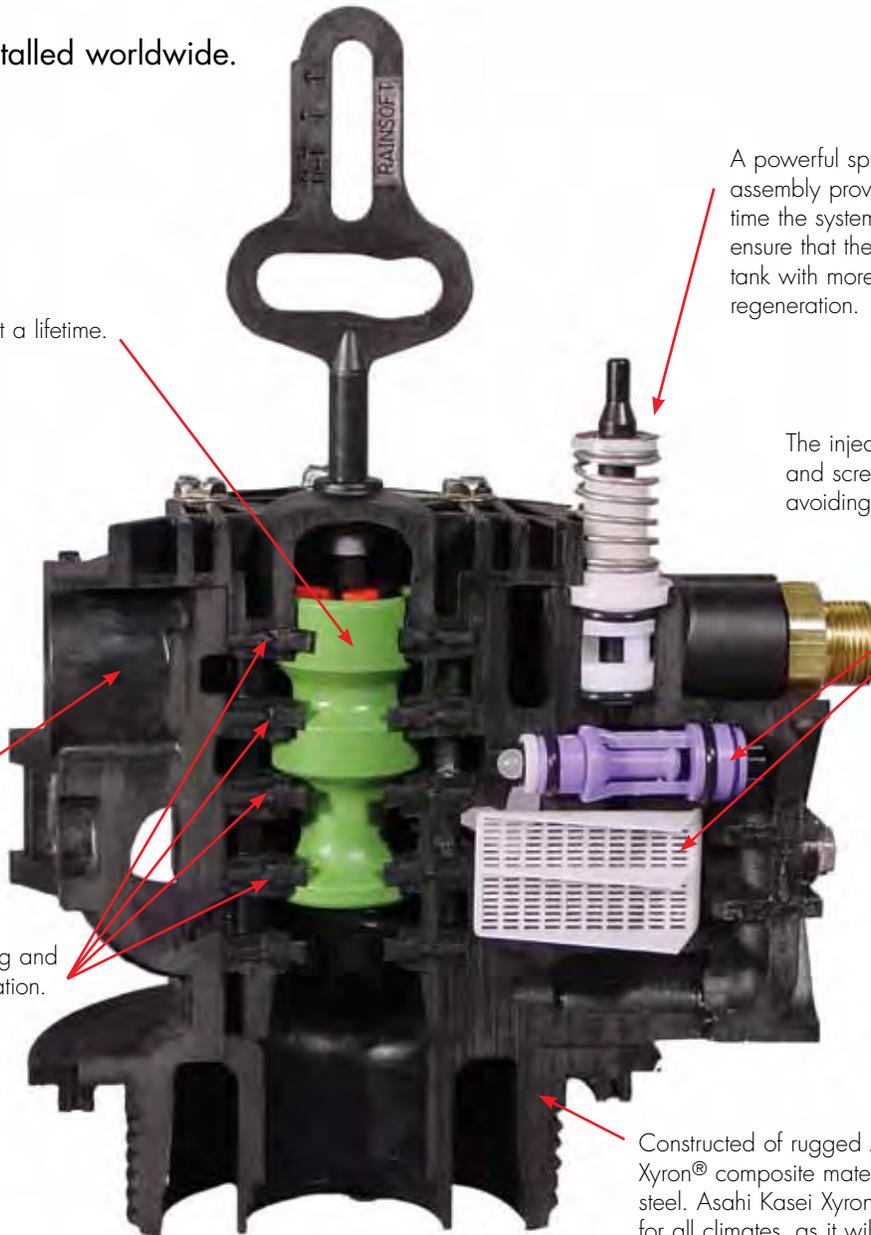
Positive drain shut-off.  
No need for old style  
flapper valves.

Internal seals are non-moving and  
resistant to chlorine degradation.

A powerful spring-actuated brine shut-off  
assembly provides positive closure every  
time the system regenerates. This helps to  
ensure that the system doesn't fill the brine  
tank with more water than required for  
regeneration.

The injector's vortex generator  
and screen help prevent clogging,  
avoiding unnecessary service calls.

Constructed of rugged Asahi Kasei  
Xyron® composite material. Stronger than  
steel. Asahi Kasei Xyron is well-suited  
for all climates, as it will not expand  
or contract under even the most severe  
temperature changes, unlike other, less  
sophisticated valves.



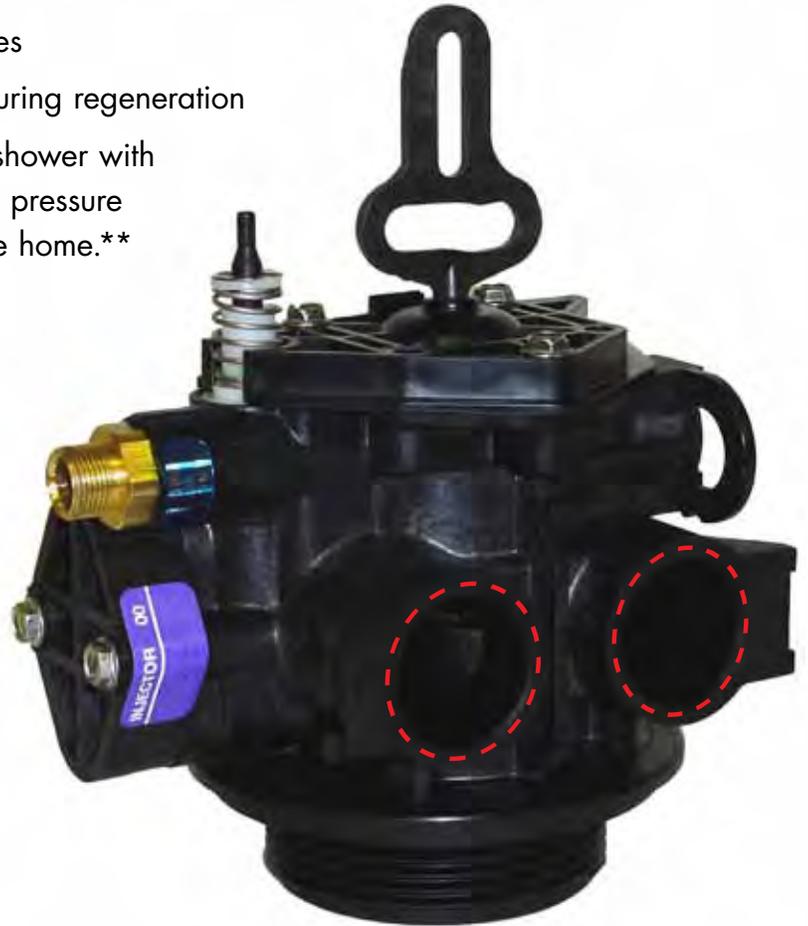
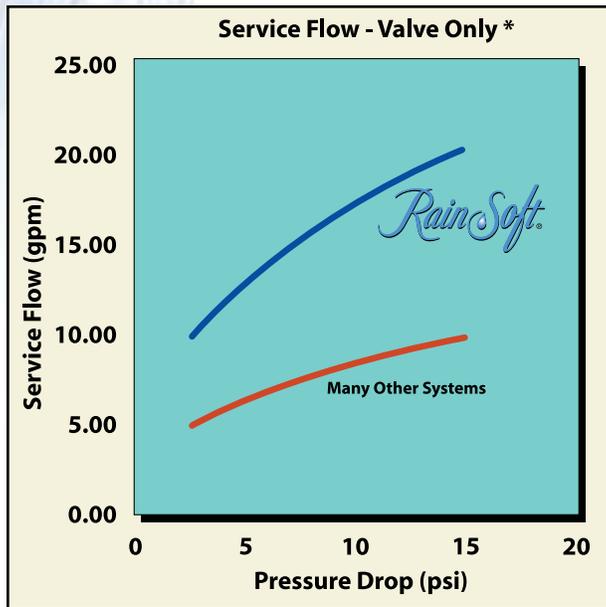
# The Choice Is Clear

## Control Valve

The benefits of large, 1" internal water openings:

- High water flow capabilities for today's modern homes
- Exceeds water flow requirements for all states
- No inconvenience of being without water during regeneration

In simple terms, you won't be surprised in the shower with a drastic temperature change or drop in water pressure when someone uses the water elsewhere in the home.\*\*



*Many standard industry valves have smaller 3/4" openings, lower flow rates, smaller motors and limited warranties. And most of these valves are manufactured using simple plastic materials, unlike the RainSoft valve.*

- Many softeners use only 3/4" piping
- Constricts water flow
- Will not meet many state requirements

\* System size and media selection will affect service flow rates. Refer to Performance Data Sheets for actual flow rates and data.

\*\* Caused by a Point Of Entry (POE) system.

*RainSoft*  
Environmental Products for the Home ...since 1953

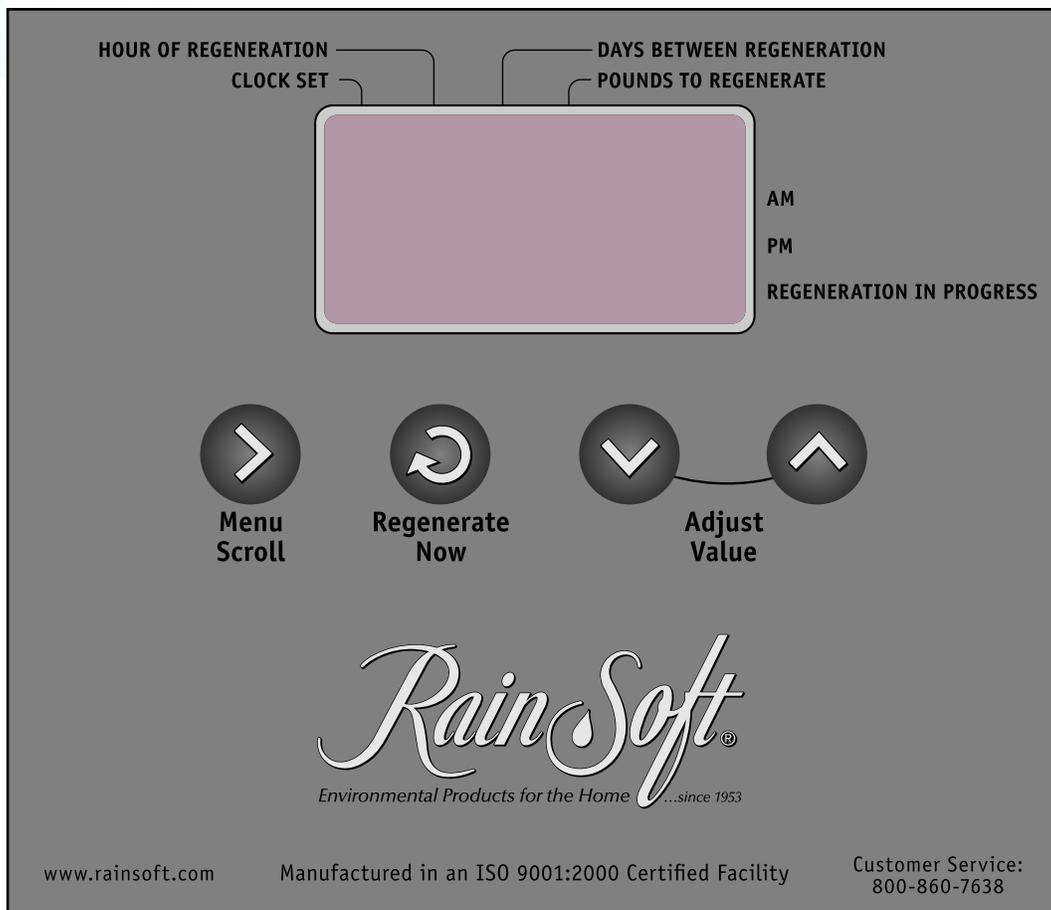
# The Choice Is Clear

## Durable Components

- UV-inhibiting ABS material
- Tough polycarbonate front cover. (The same material used to make bulletproof glass and NFL football helmets.)
- Made to withstand a wide range of climactic conditions.

Manufacturers have a choice of materials. Many other brands choose to cut corners by incorporating cheaper, inferior-grade materials, resulting in a less durable product with fewer certifications and an inferior warranty.

RainSoft uses the highest grade materials available for all protective and aesthetic components.



# The Choice Is Clear

## Durable Components

- UV-inhibiting ABS material
- Tough polycarbonate front cover. (The same material used to make bulletproof glass and NFL football helmets.)
- Made to withstand a wide range of climactic conditions.

Manufacturers have a choice of materials. Many other brands choose to cut corners by incorporating cheaper, inferior-grade materials, resulting in a less durable product with fewer certifications and an inferior warranty.

RainSoft uses the highest grade materials available for all protective and aesthetic components.



# The Choice Is Clear

## Carbon

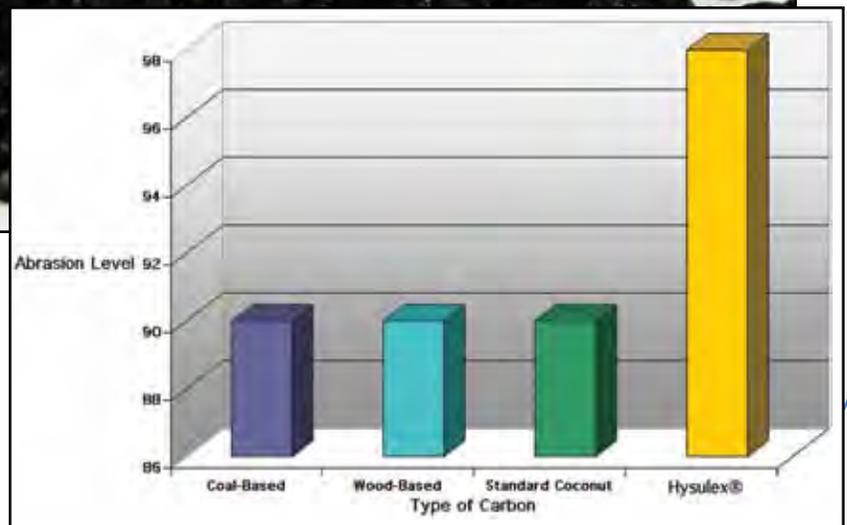
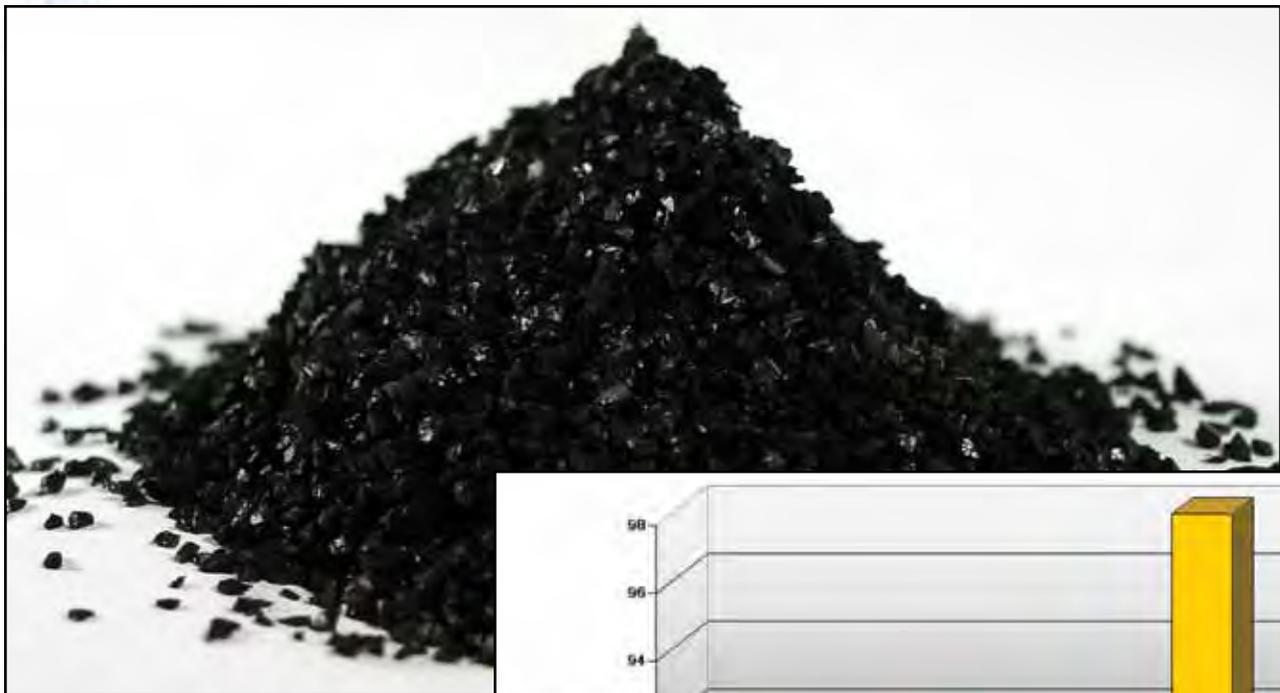
### A bed of specially graded and treated RainSoft Hysulex®.

- Clarifies
- Polishes
- Reduces tastes and odors

Testing shows that when compared to all other carbons, Hysulex® has a higher abrasion level (harder). What this means to you is less carbon

particles, or "fines", that can make their way into your water. A harder carbon will last longer, and is more resistant to chlorine breakdown. When compared to coal, wood-based and standard coconut carbons, Hysulex® is the best at reducing Chlorine, Taste and Odor, Hydrocarbons, THMs and other, small organic molecules.

(refer to RainSoft Performance Data Sheets for specific contaminant reduction claims and certifications)



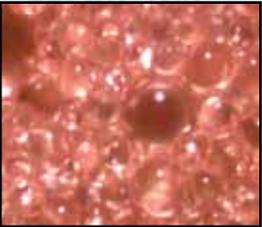
# The Choice Is Clear

## Conditioning Resin



### **Ion X 100.**

An exceptionally strong, highly cross-linked synthetic polymer-based resin. Offers high filtration and conditioning capacity with a lifetime warranty.



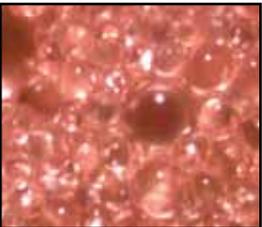
### **Industry standard resin.**

Highly susceptible to both chlorine deterioration (breakdown) and thermal shock. You can see the striations (cracks) which extend into the center of the bead. This will cause more breakage during transportation, as well as during the normal cycles of regeneration. 1 year warranty.



### **Ion X 2000.**

An exceptionally strong, highly cross-linked synthetic polymer-based resin. Offers high filtration and conditioning capacity with a lifetime warranty.



### **Industry standard resin.**

Highly susceptible to both chlorine deterioration (breakdown) and thermal shock. You can see the striations (cracks) which extend into the center of the bead. This will cause more breakage during transportation, as well as during the normal cycles of regeneration. 1 year warranty.

# The Choice Is Clear

## Mineral Tank

### Triple Tank Protection

- Rigid polyethylene inner tank provides the best protection against leaks. The liner will not impart any taste, odor or chemicals into the water.
- Tanks are double-wound with fiberglass filaments that provide exceptional strength and durability.
- Outer glass filament windings add extra strength, similar to radial tire construction.

For RainSoft to offer our lifetime warranty on tanks, rigid quality control measures and testing must be performed.



Other brands using twin tank construction with the collar are either spun-weld or glued in the tank. The collar is the weakest link in any tank, where 90% of all leaks occur.



Industry standard tanks can be made with only one fiberglass layer. This puts conditioned, product water in direct contact with the fiberglass material.



# The Choice Is Clear

## Regenerant Tank

### Patented Designer Cabinet Offers Protection From a Wide Range of Climactic Conditions

Patented tapered cabinet eliminates salt bridging. UV inhibitors and color are molded into the cabinet to prevent material breakdown and fading. Virtually indestructible!

RainSoft includes an adjustable brine tank safety float with each system:

- Guards against air being drawn into the tank
- Prevents brine tank overfill in case of a power outage
- Made of corrosion resistant material to last a lifetime (resistance to salt corrosion)



# The Choice Is Clear

## The Strongest Warranty in the Industry, Period.

Water to last for a lifetime. That's why the RainSoft warranty is the strongest in the industry!

And if a problem should arise, your RainSoft dealer is as close as your telephone.

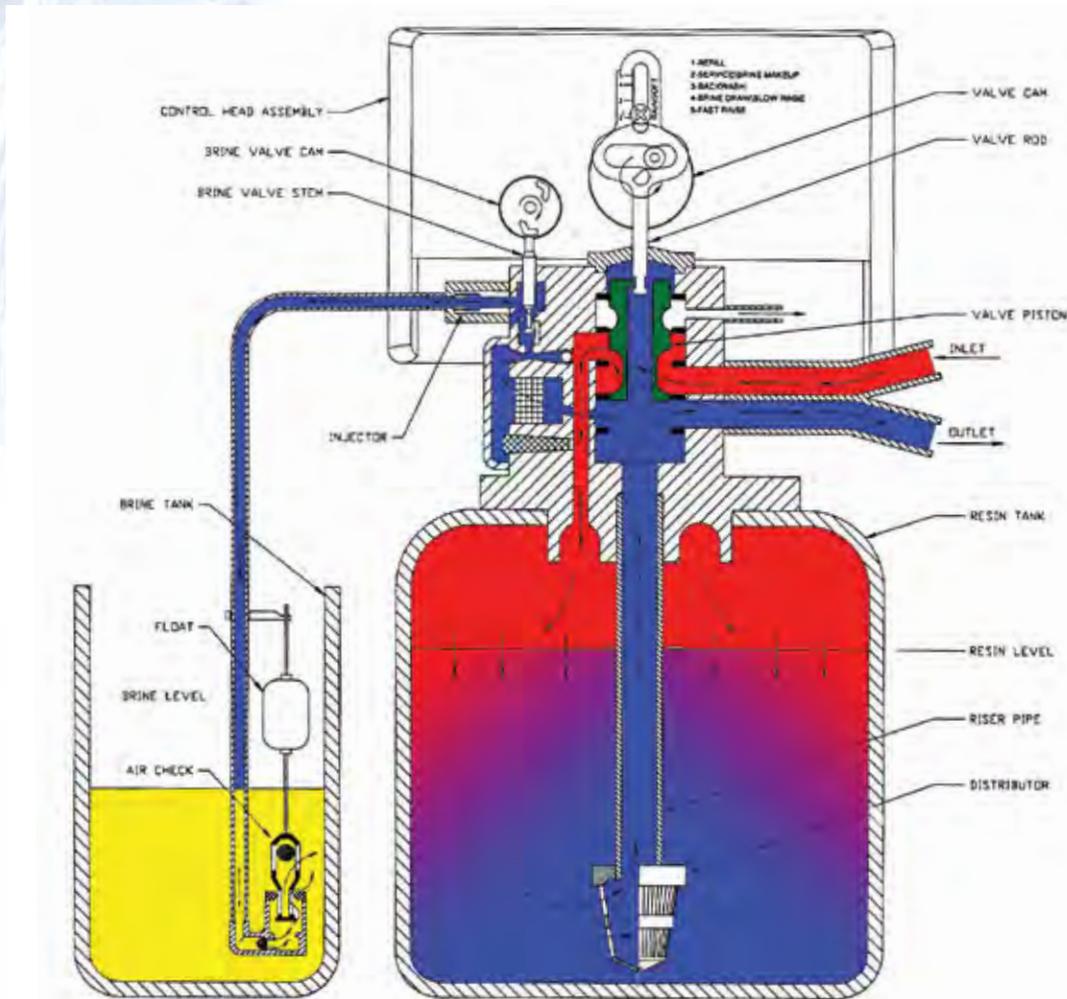
<b>Component</b>		 <b>RainSoft</b>
<b>ELECTRONICS</b>	<b>=</b>	<b>Lifetime</b>
<b>VALVE</b>	<b>=</b>	<b>Lifetime</b>
<b>RESIN</b>	<b>=</b>	<b>Lifetime</b>
<b>REGENERANT TANK</b>	<b>=</b>	<b>Lifetime</b>
<b>RESIN TANK</b>	<b>=</b>	<b>Lifetime</b>



# The Choice Is Clear

## Treated, Conditioned Water For the Brine Refill

### CYCLE 1



### TREATED WATER BRINE REFILL

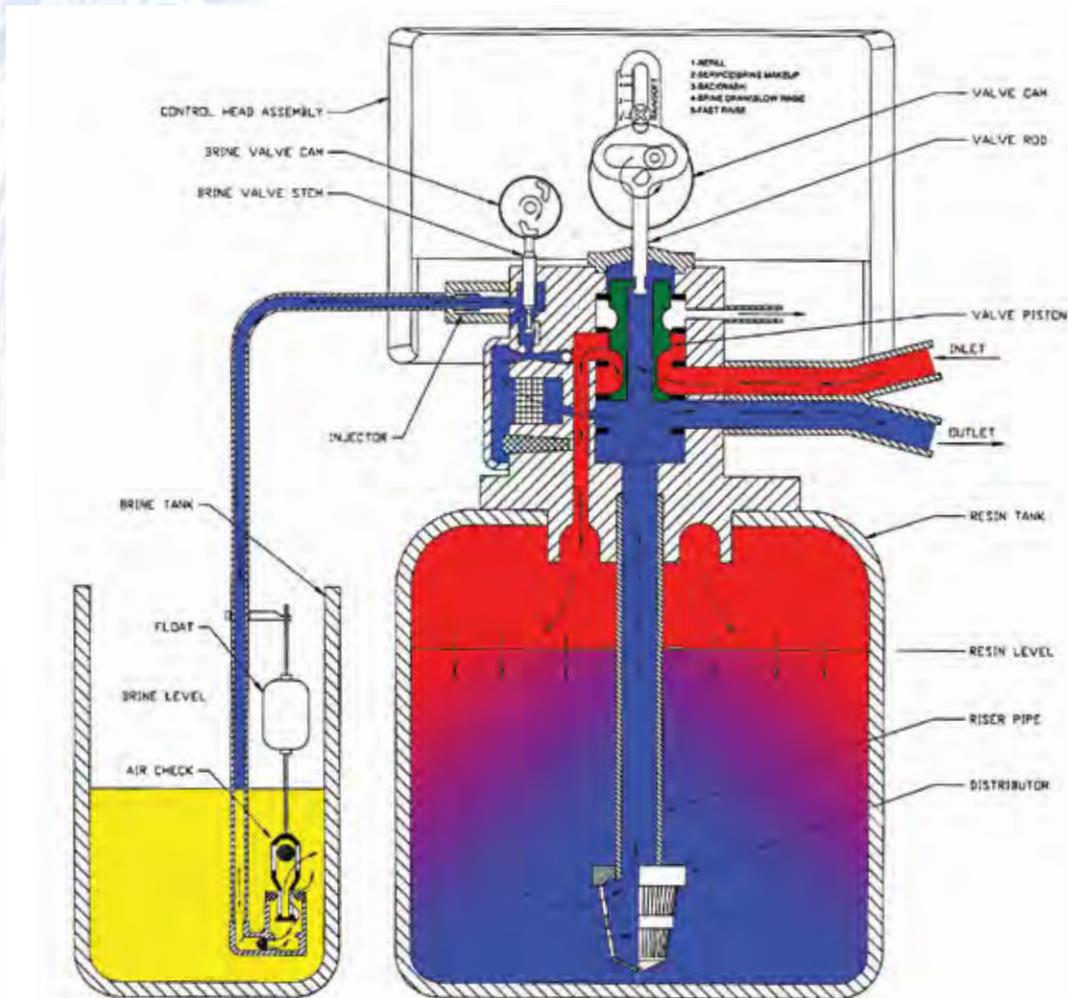
Many softeners fill the brine tank with hard, untreated water. This makes the brine less efficient, and can result in dirt and/or iron buildup in the brine injector or brine tank. The bottom line: unnecessary service calls. The RainSoft conditioner fills the brine tank with treated,

conditioned water directly from your system for a cleaner, more efficient brine solution. The bottom line: It saves money! No adjustments are required. The installer will set the salt usage required for the specific application.

# The Choice Is Clear

## Brine Makeup

### CYCLE 2



### TREATED WATER BRINE MAKE-UP

Many softeners fill the brine tank as the last step of the regeneration process. The RainSoft EC4 Series conditioner fills the brine tank with just the right amount of conditioned water during Cycle 3. During this 2-hour cycle, salt is dissolved in the brine tank, and conditioned water is still available throughout the house.

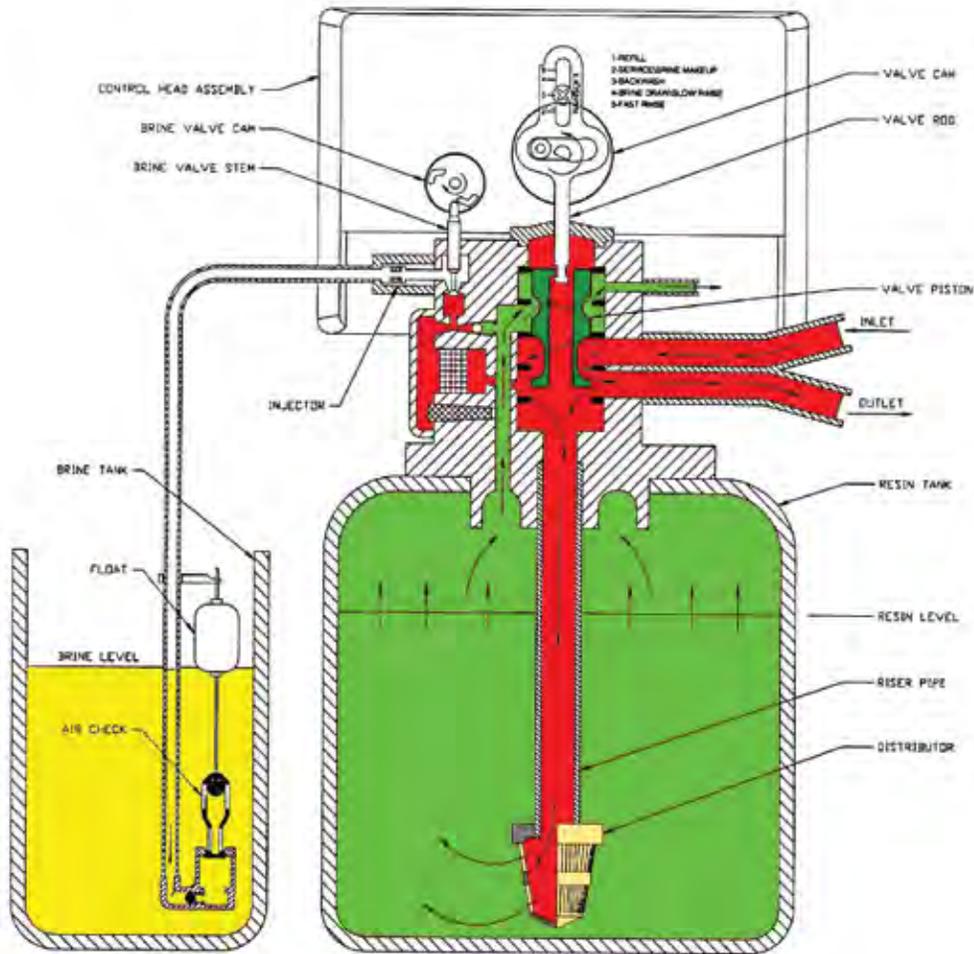


Environmental Products for the Home ...since 1953

# The Choice Is Clear

## Powerful Backwash

### CYCLE 3



### UPFLOW POWER BACKWASH

The resin bed is expanded, fluffed and flushed clean of most solids (dirt). The unique valve design allows for a complete backwash with less pressure drop than many competitor's systems. This results in a cleaner, more efficient backwashing operation. The cleaner your system remains, the clearer your water will look and feel.

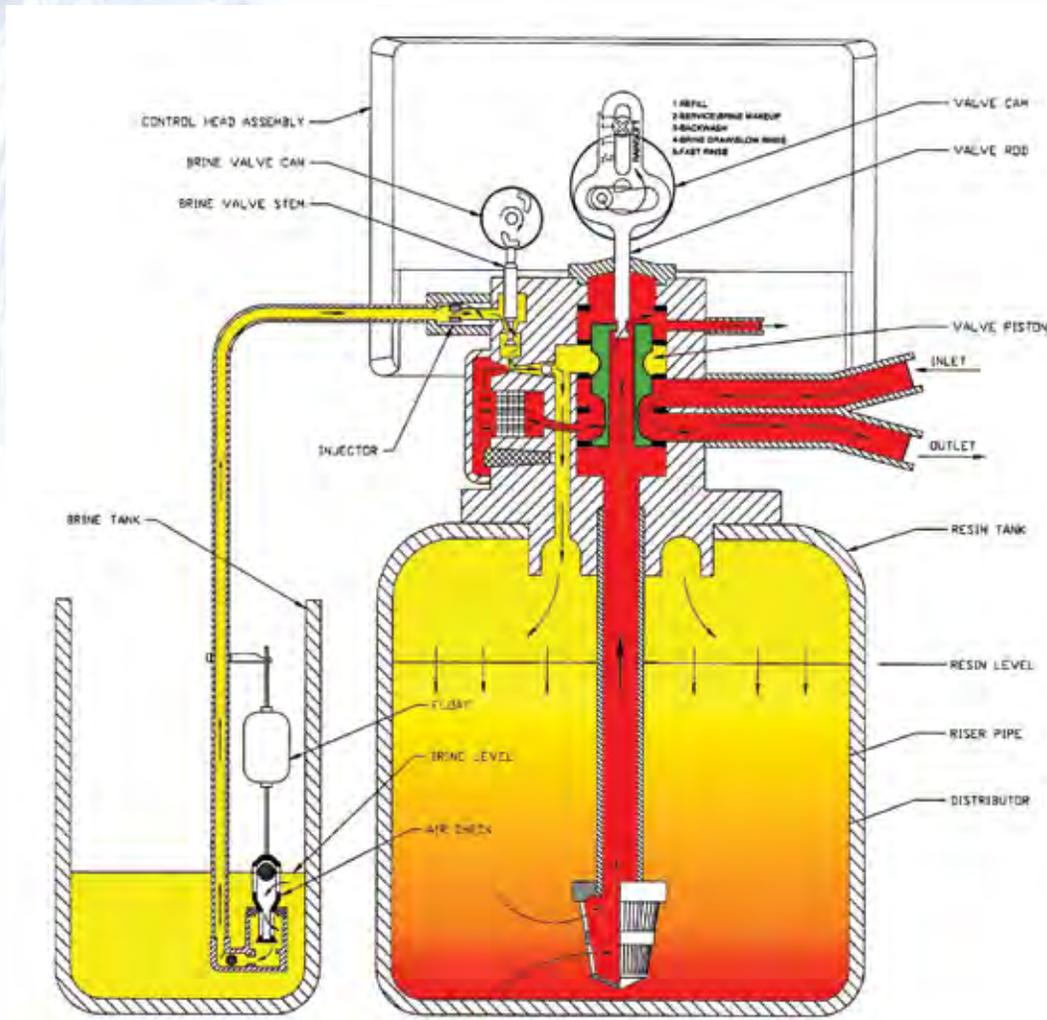


Environmental Products for the Home ...since 1953

# The Choice Is Clear

## Pre-Measured Down Flow Brining

### CYCLE 4



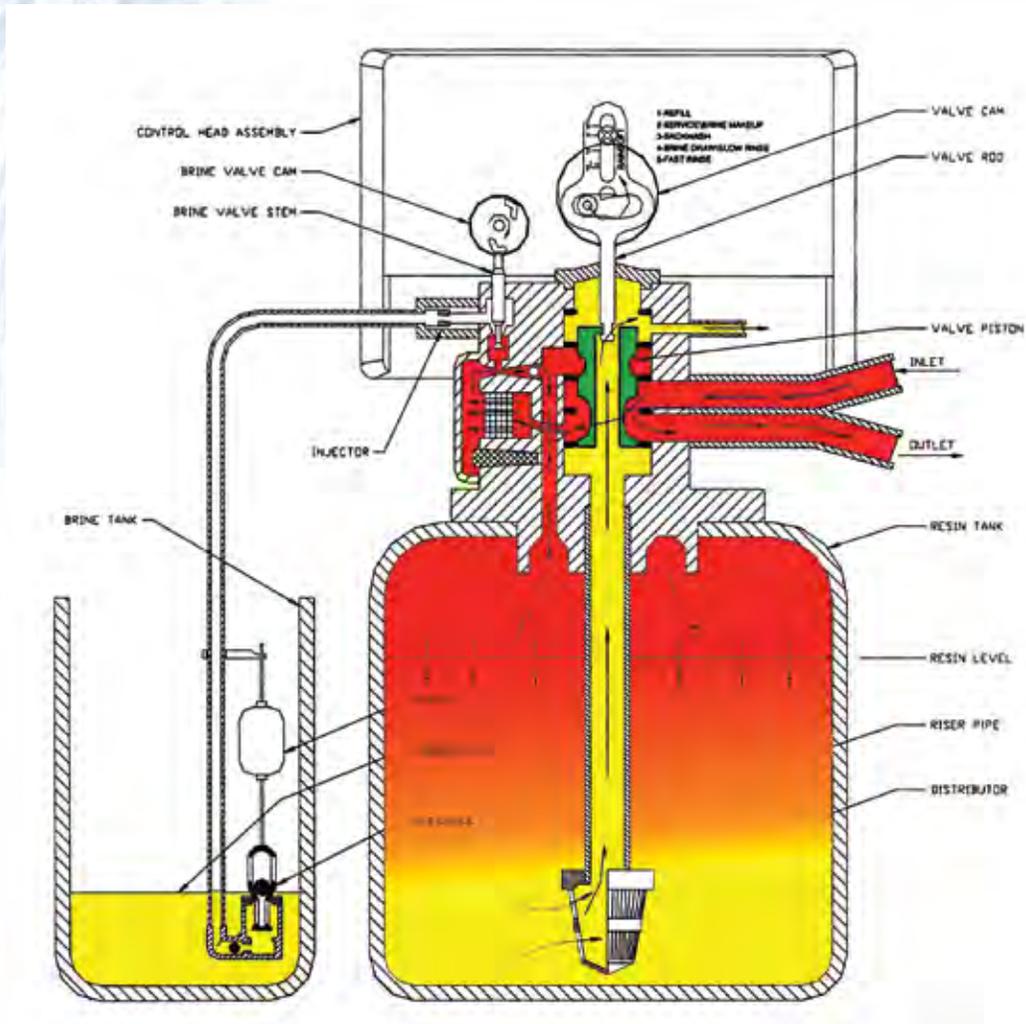
Many softeners brine at a single, predetermined rate, which is not necessarily the most efficient for your application, based upon the resin and tank size. Your RainSoft system is custom designed to brine at a specific flow rate. This feature

ensures the most efficient use of salt brine during regeneration. This feature also provides thousands of additional grains capacity over a standard water softener.

# The Choice Is Clear

## Proportional Down Flow Rinsing

### CYCLE 4



### PROPORTIONAL RINSING

Many softeners use the same amount of water, even on low salt settings. This wastes water and costs you money. Your RainSoft system is designed to only use the amount of water required for a complete regeneration, and doesn't waste water and essential while cleaning.

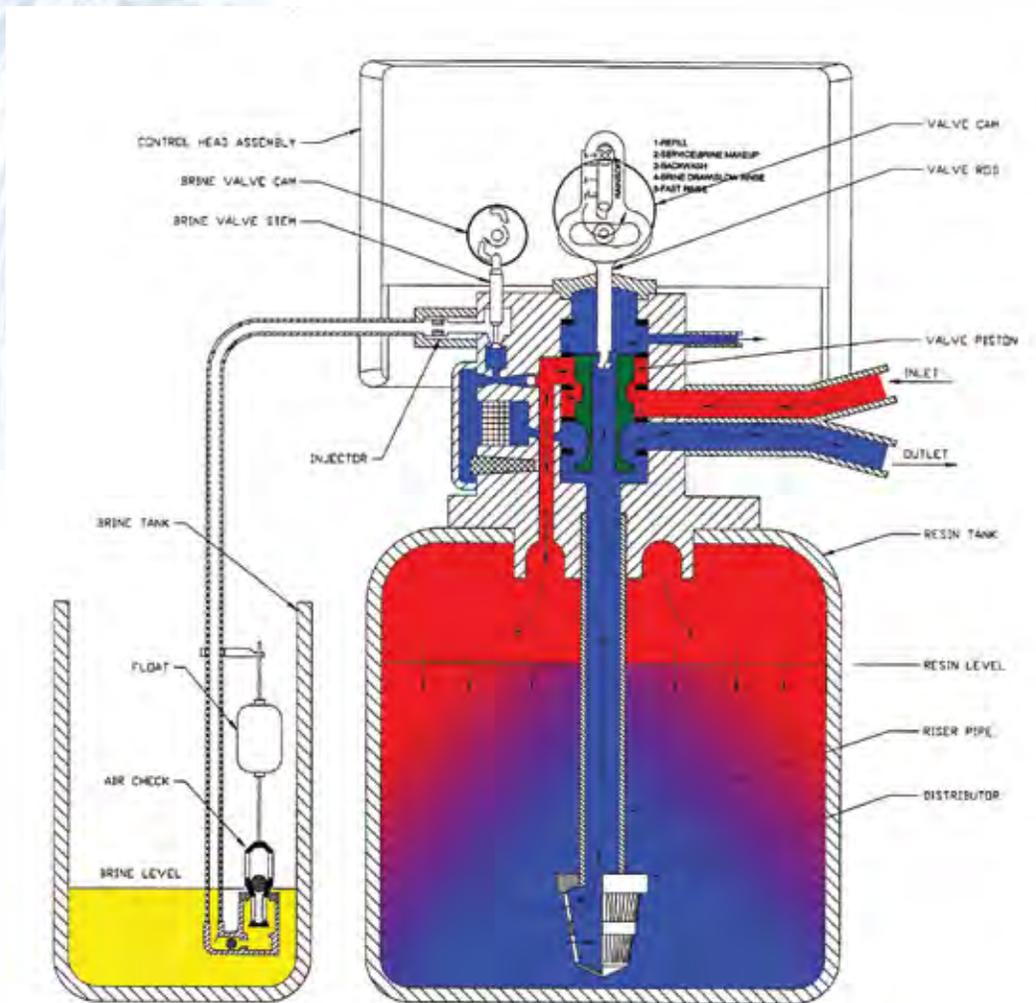


Environmental Products for the Home ...since 1953

# The Choice Is Clear

## Down Flow Fast Rinsing

### CYCLE 5

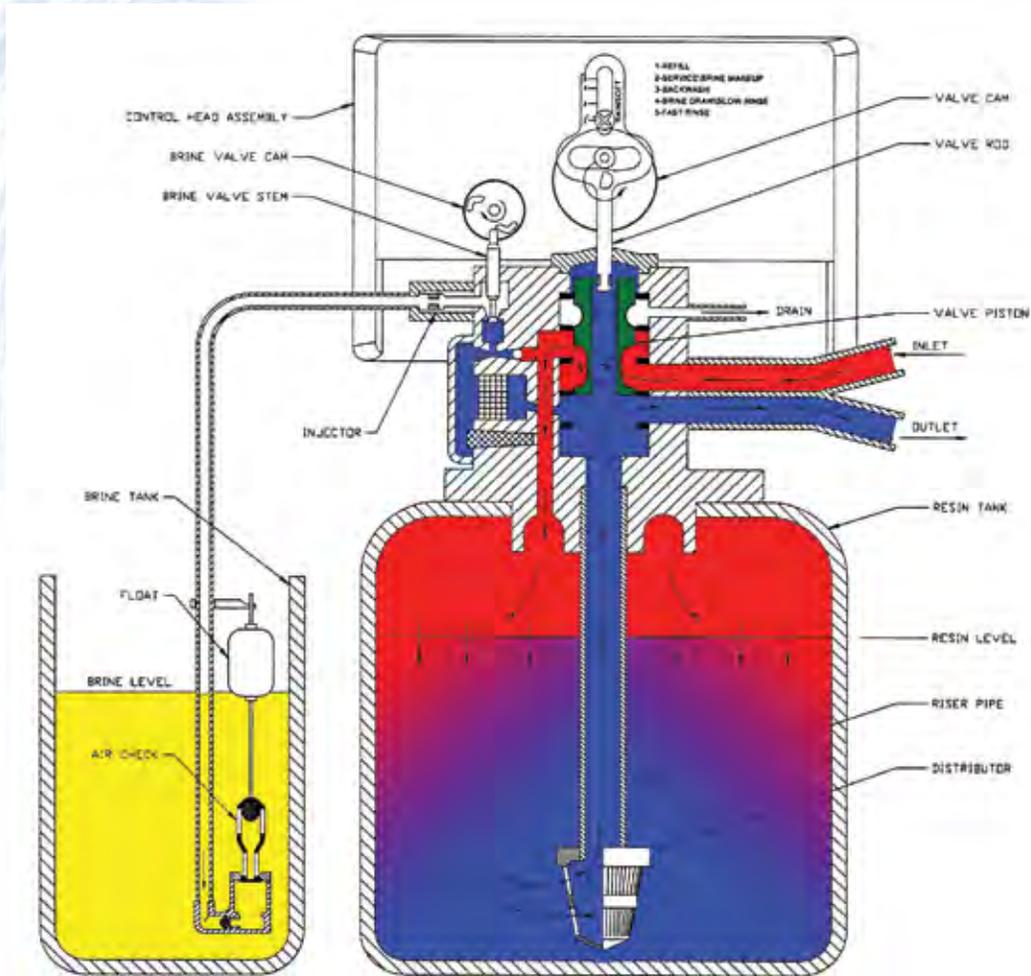


### FAST DOWN FLOW PURGE

Any residue of salt is now purged from your tank. Rust and iron loosened during brining are also flushed out. This assures you of no morning after discoloration, or the experience of showering in "sea water".

# The Choice Is Clear

## Simple, Efficient, Reliable Operation



### **DOWNFLOW CONDITIONING.**

The raw, untreated water flows down through the conditioning resin where it is softened, filtered, and where iron is removed. The water then flows through the Hysulex® where it is clarified and polished. (CT, CV and CD models.)

Many brands of water softeners work well when they are first installed. Many require frequent,

unnecessary servicing, year after year, to ensure the system operates as it should. RainSoft water conditioners are designed to keep the internal softening and clarifying resin in perfect condition for as long as you own your system. Rarely does a RainSoft system require dealer restoration.

*RainSoft*  
Environmental Products for the Home ...since 1953