



**Put your water  
supply on a  
salt-free diet.**

**E****Treat™**

**The NO-SALT  
solution to  
your water  
quality  
problems.**

**APPROVED  
ALTERNATIVE!**  
To Salt Based Water Softeners

**No Scale**

**No Salt**

**No Backwash**

**No Brine Discharge**

**No Electricity**

**No Chlorine**

**No Bad Tastes**

**No Foul Odors**

**Simple Installation**

**WATTS®**

*Founded in 1874 and member of the NYSE.*

# Water Quality Problems

## Water hardness

As water seeps through the ground, it picks up Calcium, Magnesium and other minerals. These minerals are dissolved by the water, which is often referred to as the “universal solvent.” When water has high amounts of minerals, it’s considered hard. When water contains low amounts of minerals, it’s called soft. When minerals in water precipitate or drop out of solution, they produce hard water scale, which forms in water pipes, hot water heaters, coffee makers, dishwashers and ice machines. Scale formation results in reduced flow, higher energy costs and expensive repairs to appliances.

It is estimated 85% of all water supplies in the United States contains enough hardness to cause problems in home water use.



## Mineral deposits

Minerals, contained in hard water, often cause unsightly spotting on glassware, dishes and silverware, resulting in extra work.



## Plugged showerheads

Scale plugs shower heads, restricting flow. This can be costly, depending on the number of showerheads replaced.

## Chlorine taste and odors

Chlorine is typically added to municipal water for disinfection. Research indicates most consumers purchase water filters to remove chemicals, such as chlorine, from their drinking water. For this reason chlorine, taste and odor reduction is an essential part of any effective water treatment system.



## Conventional water softeners

In recent years, water softeners have been the most effective and practical way to remove hardness and reduce scale formation. Water softeners require salt and periodic backwashing to regenerate the ion exchange resin, resulting in brine water discharge to the sewer or drain field.

Because of this, conventional water softeners have been challenged and new methods to provide scale-free water are being considered.

## Conventional Water Softeners are highly effective, but require salt and water to operate.

### Mineral tank ▶

Contains the ion exchange resin.

As water flows through the resin, hardness minerals are removed.



### ◀ Electric control valve

An electric control valve is generally used to control the various water treatment cycles. Routine maintenance is required. Electronic valves may experience damage, should lightning strike electrical supply lines.



### ◀ Brine tank

A brine tank is used to contain salt, which is used to regenerate the ion exchange resin after it has reached its capacity to remove hardness minerals.

### Water conservation

During regeneration, the resin is washed and rinsed, which typically requires 50 to 70 gallons of water in residential installations. This process is repeated, based on water usage.

### Salt ▶

Salt is a necessary component, which is used during the regeneration process and ends up in the sewer or drain field.



# The Environmentally Friendly, NO-SALT Solution To Water Quality Problems



**Two technologies in one compact system provides great tasting water with less scale, to every tap in your house!**



**Granular Activated Carbon**

Granular activated carbon is known for its exceptional adsorption ability and is the first stage treatment to reduce chlorine, taste, odors, color and organics from your water. This treatment also extends the life of the anti-scale media, used during the second water treatment process.



**Anti-Scale Media**

ScaleNet™, our proprietary anti-scale media is used during the final treatment process to transform Calcium and Magnesium ions into nano crystals, which are stable and cannot attach to pipes, surfaces or heat exchanger components. The crystals are so small, they easily rinse away with the water flow.



◀ **Saves 650 pounds of salt and 6,000 gallons of water!**

Estimates show E-TREAT systems may eliminate the need for approximately 650 pounds of salt and over 6,000 gallons of water per year, compared to a conventional softener with a metered valve. Save even more if you have a time clock valve because they regenerate based on time, regardless of water usage!

◀ **How it works**

E-TREAT systems incorporate a totally unique tank-in-tank design. Water enters the outer tank and flows downward as it's treated with the granular activated carbon to reduce chlorine taste, odors and organics by adsorption.

The water flows upward through the inner tank, where the anti-scale treatment occurs, using our highly effective ScaleNet media. The system is non electric and requires no valve!

**Enjoy these many benefits with E-TREAT™ water conditioning systems.**



**NO SALT!**



**NO BACKWASH!**



**NO SCALE!**



**NO CHLORINE!**



**NO ELECTRICITY!**



**NO BOTTLED WATER!\***

**Say goodbye to buying salt and bottled water!**

\*If municipal water is filtered by the E-Treat System.

## Installation

For whole house treatment, E-TREAT™ water conditioning systems should be installed where water enters the house. Pipe connections are 1".



## ScaleNet™ media and carbon replacement

E-TREAT™ water conditioning systems are designed to provide whole house water conditioning for up to five years, based on hardness and chlorine levels before the anti-scale media must be replaced. The activated carbon should be replaced, based on

performance. A simple chlorine tester can be used to indicate when the carbon should be replaced. A trained water treatment professional can complete the media and carbon replacement, when needed.

## Specifications (Model # ETREATWCS)

Maximum flow rate	12 gallons per minute.
Maximum temperature	140°F (60°C).
Minimum temperature	40°F (4°C).
Maximum hardness	Sizing is based on maximum hardness of 25 grains per gallon.
pH range	6 to 9.
Pressure	Maximum pressure is 125 psi; 8.75 bar (minimum pressure is 20 psi 1.4 bar).
Tank sizes	Outer tank is 13" x 65". Inner tank is 9" x 30" (outer tank is black).
Flow pattern	In the outer tank the flow is downward. In the inner tank the flow is up-flow.
Certification	ScaleNet™ media is certified for materials safety per NSF Standard 61 .
By-Pass Valve	By-pass valve is included.
Capacity	System comes with 2 cu. ft. of coconut shell carbon and 4 liters of ScaleNet™.

Note: Do not use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. System must be maintained according to manufacturer's instructions. Pretreatment is required for Iron, HS, Manganese, hydrocarbons and sediment, if sediment is present in water.

## Limited five year warranty:

E-TREAT water conditioning systems come with a five year limited warranty on materials and workmanship covering system components. The carbon and anti-scale media come with a quality guarantee, which stipulates it meets all prescribed specifications.

## Approved alternative to salt based softeners

E-TREAT™ NO-SALT water conditioners have been reviewed and approved by the Santa Clarita Valley Sanitation District in California as an accepted alternative to salt based softeners, meeting all guidelines as salt free water conditioners.

*Authorized Dealer:*

