



## *Comfort Series*



# Here are some of the many benefits that you and your family will enjoy with a Water Tec Automatic water conditioning system.

## Body Refresher

Bring conditioned water to your bath or shower and you'll feel a refreshing difference. You'll wash "really clean" faster and without a soap build up on your skin. You'll come away more relaxed and refreshed than ever before.



## Dish Sparkler

Tired of streaks and spots on glassware and dishes? Conditioned water eliminates the problem, and helps your dishwasher last longer, too.



## Soap Saver

Hard water impairs the cleansing strength of detergents. Conditioned water not only delivers greater washing power, it reduces soap requirements (up to 70%). It protects your washing machine at the same time.



## Clothes Brightener

Clothes last longer, come out fresher, cleaner and softer when washed in conditioned water. Colors stay brighter, too.



## Faucet Preserver

Hard water scale corrodes and plugs valves in water – using appliances. Shortens service life and costs you money.



## Hot Water Guard

Conditioned water adds longer life to your water heater by minimizing the scale build up created by hard water minerals. Saves you money, too. Less energy is required (17% to 21%) to heat water in tanks without a scale build up.

## Pipe Protector

Over a period of time scale forms to clog you're plumbing. As the pipes clog, water flow is restricted and water pressure can be reduced dramatically. A water conditioning system minimizes these issues.



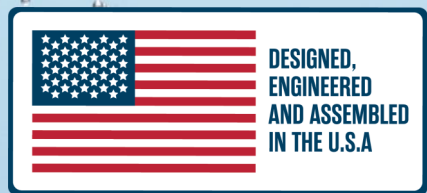


## 5600M

- ◆ Simple mechanical design is easy to use.
- ◆ Ruggedly-built timer is designed with heavy-duty 3/8" wide plastic gears.
- ◆ 5600 controls are user-friendly and easily programmable.
- ◆ Non-corrosive, UV-resistant, fiber-reinforced polymer valve body.
- ◆ Metered demand regeneration with a mechanical meter.

## WS1

- ◆ Solid state microprocessor with easy access front panel settings.
- ◆ Three modes of operation meter immediate, meter delayed, or time clock delayed.
- ◆ Double backwash feature, offers optimum regeneration, efficiency and cleaning ability.
- ◆ Variable Reserve based on water usage history.
- ◆ Day override feature 1 – 28 days available.
- ◆ Stores system configuration and operation data in non-volatile memory.
- ◆ Coin cell lithium battery back-up with 8 hour power carry over.
- ◆ Control valve design provides optimum service and backwash rates.
- ◆ Treated water regenerant refill.



# Comfort Series

The Water Tec Comfort Series is our base series of water treatment and offers rugged reliable performance. These units feature the leading control valves on the market. Our Comfort Series Water Softeners use a 10% crosslinked commercial grade resin for longer service life and less pressure drop over its life time. All of the Comfort Series Water Softeners offer ease of use, reliability and unsurpassed performance.

## Specifications

| MODEL                    | 0844-24k | 0948-32k | 1035-32k | 1044-40k | 1054-48k | 1236-48k | 1252-64k |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| <b>Capacity Grains *</b> |          |          |          |          |          |          |          |
| -Low Salt Setting        | 17,200   | 22,000   | 22,000   | 27,500   | 33,000   | 33,000   | 44,000   |
| -Medium Salt Setting     | 21,000   | 28,000   | 28,000   | 35,000   | 42,000   | 42,000   | 56,000   |
| -High Salt Setting       | 24,000   | 32,000   | 32,000   | 40,000   | 48,000   | 48,000   | 64,000   |
| <b>Water Usage**</b>     | 32       | 45       | 45       | 48       | 50       | 50       | 80       |
| <b>Service Flow</b>      |          |          |          |          |          |          |          |
| Flow Rate @ 15psi        | 8        | 10       | 11       | 11       | 12       | 14       | 14       |
| Flow Rate @ 20psi        | 12       | 13       | 14       | 14       | 15       | 18       | 18       |

\*\* Depending on local water conditions.

### Customize your Water!!

The addition of the Mixing valve allows for hard water to be mixed with the soft water, this will get rid of the “slippery” feeling associated with softened water and save up to **20%** of water and salt. \*\* Only available for WS1 Controls.



## How Does a water softener work?

A water softener is an ion exchanger. Hard water with a high calcium/magnesium content enters the softener through the “In” port indicated by the green arrow. It passes through the control valve and into the tank, where it goes from top to bottom through a specially prepared resin that “softens” it.

The resin consists of specially manufactured beads that have been saturated with sodium ions. “Softening” occurs as the hardness minerals in the water attach themselves to the resin and are “exchanged” for sodium. The softened water then enters the long center tube, called a riser, via the strainer basket in the bottom of the tank and passes upward through the riser. The water exits the softener via the control valve (blue arrow) and is sent to the home. When the resin becomes saturated by hardness minerals, the softener automatically goes into regeneration. The regeneration process is initiated the control valve. By this process the hardness minerals are washed down the drain (via a drain tube not shown in the diagram), and the resin bed is rinsed, and recharged with sodium. It is now again ready to soften your water. The regeneration process is accomplished by passing concentrated brine from the brine tank through the resin. The brine tank must remain filled with a sufficient amount of softener salt or potassium at all times so that it can regenerate the softening resin again and again.

