



# WATER GEM, INC.

## WS1EE WATER SOFTENERS



## Notice the Difference





# WATER GEM, INC.

## EXPERIENCE THE DIFFERENCE

### SEE *the results*

When you switch to soft water, the first thing you'll notice is the difference in your kitchen. Glassware and dishes are cleaner and clearer... watch them sparkle! Plus, cleaning time is reduced.

Soft water eliminates hard water scaling in your kettle and on appliances. It also reduces the need for harsh chemicals in cleaning and allows you to use various environmentally-friendly soaps for better results.



### FEEL *the difference*

The greatest benefit of soft water is experiencing full, soft hair and smooth, clean feeling skin. Yes, silky smooth hair with just a spot of shampoo! Firm skin that's soft to the touch - no need for all those expensive lotions and creams! Plus, you'll notice a smoother, closer shave.



### ENJOY *the savings*

Aside from the visual benefits, you also need to know that a water softener is a great financial decision. Imagine savings up to 70% on soaps and cleaners, up to 27% on hot water costs, and linen that lasts 30% longer. Now that's a real difference in financial savings!



Up to 70%  
LESS!!!



Up to 50%  
LESS!!!







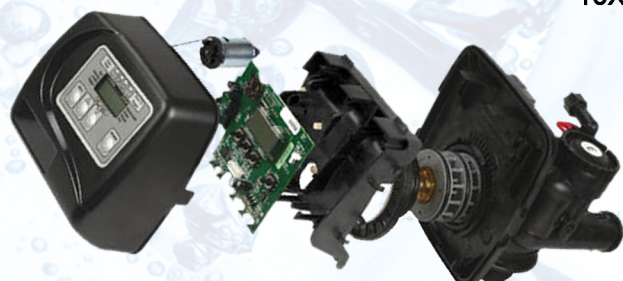
# WATER GEM, INC.

## ECONOMICAL AND EFFICIENT

*A Water Gem water softener is one of the most advanced systems available in the world today!*

### SET IT AND FORGET IT!

- \*Automatically measures every drop of water for exact water softening
- \*Computerized constant soft water on demand
- \*Power cell (no battery), true hydro interruption protection
- \*Highest flow 1" control valve in the world today
- \*5 year limited warranty



### Simple Design:

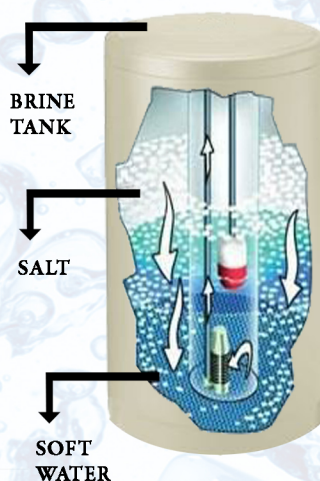
*Only ONE moving part contacts water!*

### "IS SPACE AN ISSUE FOR YOU?"

Not to worry, we have different size mineral tanks and brine tanks (salt tanks) to fit your individual needs

### "HOW DOES A WATER SOFTENER WORK?"

To wash off hard water minerals from the resin, brine water is injected into the softener.



18X33



Hard water fills the tank. As it passes through the resin, the hard water ions are attracted to the resin. By the time the water gets to the bottom of the tank, it's soft.

### Softening water is a 4-step process:

- 1) The body of a water softener is a tank filled with resin beads. These beads are covered with sodium ions. As hard water passes through, the resin beads act like a magnet, attracting the calcium and magnesium ions (hardness) in exchange for the sodium ions.
- 2) Eventually the resin beads become saturated with mineral ions and have to be "re-charged." This process is called regeneration, and is conducted by the control valve on the top of the tank. The control valve is the brain of the system.
- 3) During regeneration, a strong brine solution is flushed through the resin tank, bathing the resin beads in a stream of sodium ions which replace the accumulated calcium and magnesium ions (hardness).
- 4) The brine solution, carrying the displaced calcium and magnesium ions, is then flushed down the drain by fresh water. The regenerated resin beads can be used again and again.



11X11X38



15X17X36



WS1 CABINET





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## TECHNICALLY THE BEST

*Imagine...*  
*the best soft water possible!*

All of Water Gem's WS1EE systems incorporate the world's latest cutting edge technology for the best results.

- \* Designed for residential, commercial and industrial use
- \* State of the art automatic valves that cover a broad range of global applications
- \* Use with sizes up to 3" and flow rates up to 250 gpm
- \* Can service tanks up to 63" in diameter
- \* Cycles can be set for downflow or upflow regeneration, or simply service, backwash and rinse
- \* Easiest valves to service in the industry
- \* The valves come in different program versions and are controlled by solid state microprocessors with front panel settings and screen display
- \* Simple to configure for use in multiple tank systems
- \* The valves have a complete line of accessories including stainless steel flow meters, motorized alternating valves, no hard water bypass and system controllers

### *40 Years Water Treatment Experience*

Yes, it's important to know that Water Gem has a track record that spans more than four decades. Our goal at Water Gem is ensuring your complete satisfaction with our products and services.



### *VARIOUS MODELS AVAILABLE*

Yes, there are features and designs to suit every budget and need! Please contact your local dealer to discuss which system is right for you.

DEALER INFORMATION