

## An Alternative to Water Softeners

# The **HardWaterWizard™**

### Electronic Water Conditioner



- **Changes the hard water molecules to soft crystals**
- **Treated Water feels silky smooth**
- **Removes existing scale**
- **Set it and forget it operation**

The *HardWaterWizard™* produces an oscillating electric field in the water pipe which changes continuously in frequency and direction. This changes the property of the hardness minerals so they stay in solution.

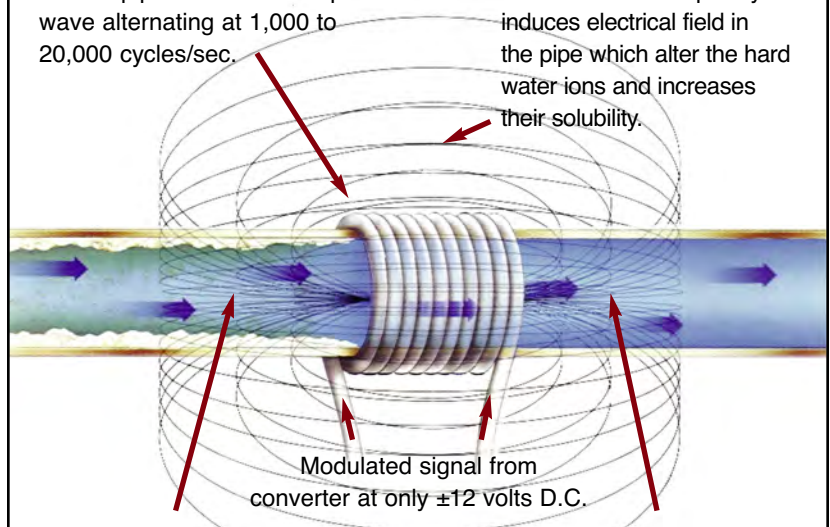
#### Features and Benefits

- Compact and Easy to install
- No plumbing or special skills needed
- No maintenance-set it and forget it operation
- Keeps hard water deposits from forming
- Removes existing scale in 90 days
- Treats water up to 120 grains
- Safe-low voltage, low power
- Less than 10 watts power
- Wrap the signal cable and plug converter into 110 volt outlet
- Water lathers and rinses easily
- Prevents scale formation
- Won't clog shower heads, coffee pots, dishwashers
- Reduces detergent use
- Increases water heater efficiency
- No salt or chemicals needed
- 2 year limited warranty

#### How the **HardWaterWizard™** works

Signal cable wrapped externally around pipe. Produces a square wave alternating at 1,000 to 20,000 cycles/sec.

Complex modulated signal field at variable frequency – induces electrical field in the pipe which alter the hard water ions and increases their solubility.



Incoming water containing calcium and other mineral ions in solution.

Conditioned water can absorb more calcium and dissolve existing scale

**Patented Technology. Used successfully for over 10 years to de-scale water systems**



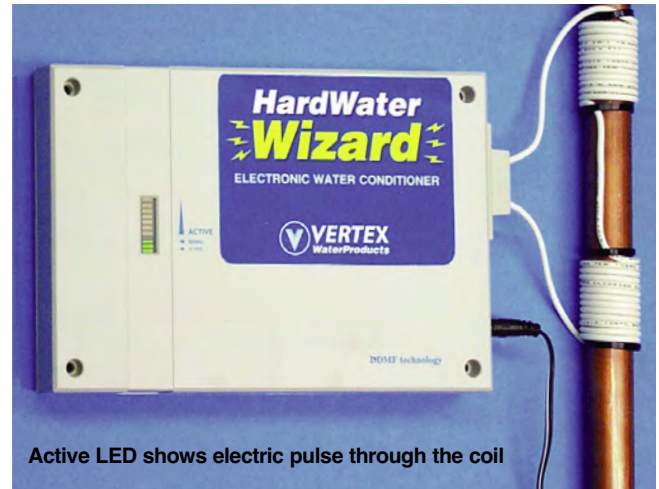
## Residential Models

The **HardWaterWizard** is an excellent choice for home-owners who want to condition water up to 40 grains but don't want the salt contamination, maintenance effort and expense for ion exchange softeners. Uses less than 10-watts of electricity and will work on plastic, copper and steel pipes. Comes complete with electronic module, signal cable, cable ties, power converter, mounting screws and instruction manual.

### Specifications

Enclosure: ABS plastic	Power usage: <10 watts max
Size: 10" x 6" x 1.5"	Operating temperature: -20° to 140°F
Weight: 2.5 lbs.	Wall plug voltage: 110-240 volt, 60 Hz.
Coil voltage: 12v. DC	Signal Cable temp.: 196°F max, 600 volts
	Signal "on" light and cycling LED meter

*Comes complete with converter, signal cable, cable ties, transformer, mounting screws and instruction manual.*



Active LED shows electric pulse through the coil

### ORDERING INFORMATION

Up to 1-inch pipe  
 Up to 1 1/2-inch pipe

### Model

**RW-10**  
**RW-15**

## Commercial Water Conditioners

*Same operation as residential models*

### Uses

- Gas-fired and electric boilers
- Cooling towers
- Commercial Icemakers
- Decorative Fountains
- Evaporative Coolers
- Commercial Laundries
- Hotels and Motels
- Crop Irrigation Water
- Plastic Injection Molding
- Hydroponics

### Benefits

- Reduces scale-saves 5% or more fuel
- Eliminates scale-control chemicals
- Reduces fouling of dishwasher jets
- Reduces downtime for de-scaling
- Reduces soap and detergent use
- Economical to install and operate
- Eliminates scale buildup on electric heating elements
- Reduces calcium spotting and soap usage in bottle cleaning

### ORDERING INFORMATION

Up to 2-inch pipe  
 Up to 4-inch pipe  
 With aluminum weatherproof NEMA 3 enclosure  
*For larger units, consult the factory*

### Model

**CW-2**  
**CW-4**  
 add /N



### HardWaterWizard SPECIFICATIONS:

Enclosure: ABS plastic Size: 10" x 6" x 1.5";  
 Weight: 2 lbs.; Voltage: 110-240 VAC; Coil  
 voltage: 12 VDC; Power usage: <20 watts  
 max; Operating temperature: -20° to 140°F;  
 Signal Cable temp.: 196°F max, 600 volts; Signal  
 "on" light and operating light.

*Comes complete with electronic module,  
 signal cable, cable ties, 110-240 volt power  
 converter, mounting screws and instruction  
 manual.*