

# ScaleViper®

Non-Chemical Water Conditioner



SCALEVIPER® IS AN ADVANCED METHOD FOR CONTROLLING HARD-WATER DEPOSITS AND BIO-FOULING.

## DESIGNED FOR

- once-through and recirculating HVAC systems and cooling towers
- heating systems
- process-cooling systems
- agricultural systems
- industrial-processing systems
- wastewater systems
- other fluid-based systems
- residential and light commercial systems

## COMMERCIAL BENEFITS

- WORKS on all pipes (black steel, galvanized, copper, PVC)
- PREVENTS and REMOVES formation of hard-water lime-scale deposits
- ELIMINATES all electrolysis on pipe and equipment walls
- IMPROVES efficiency and extends the life of all water-fed equipment
- Absolutely NO maintenance
- NO salt, chemical, or labor costs
- NO moving parts—20 year life expectancy
- MAJOR REDUCTION in surfactant use for soil penetration
- ELIMINATES hardpan in golf courses and agricultural applications
- ELIMINATES salt and pooling problems on golf course greens

## QUALITY CONSTRUCTION

- Nema 4X ABS construction
- 100% waterproof for outdoor installation

REVOLUTIONARY NEW 21ST CENTURY TECHNOLOGY

## PREVENTS LIME-SCALE BUILD-UP

throughout your entire  
commercial or industrial plumbing system  
and equipment



**"Soft water" without  
salt, chemicals, or  
maintenance**

## RESIDENTIAL BENEFITS

- **REDUCES** soap scum and water spots resulting in less cleaning time.
- **IMPROVES** the lather of soap. Water feels silkier.
- **REDUCES** the harsh effects of hard water on skin and clothing.
- **WATER TASTES BETTER** and plants grow better as minerals and biological deposits are cleared from pipes. Water is salt-free but retains health-giving minerals.
- **MORE EFFICIENT.** Water heater will heat water faster and water flow may improve.
- **ENVIRONMENTALLY FRIENDLY:** Eliminates septic tank toxic-salt poisoning.

## SAVES MONEY

- **JUST \$1/month** for electricity (estimate).
- **SAVE up to 35%** on water heating bills.
- **NO regular service** required.
- **NO maintenance—EVER!**
- **NO moving parts** means a 20-year life expectancy.
- **NO salt or chemicals to purchase—EVER!**
- **IMPROVES** the efficiency and extends the life of all water-fed appliances (dishwashers, washing machines, water heaters and more).
- **INEXPENSIVE:** Less than half the average cost of conventional water-softening equipment.
- **LESS detergent** required.

## EASY INSTALLATION

- **COMPACT UNITS** plug into standard sockets.
- **PORTABLE.** Easy to disconnect and re-install at new site.

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# How does ScaleViper® work?

Scaleviper® consists of a signal wire that is wrapped around the water pipe to form a solenoid and a controller/energy supply that constantly changes the polarity, frequency, and amplitude of the proprietary signal that flows from it to the solenoid. What does this accomplish? A great deal:

- A de-ionizing effect, induced by physical means instead of chemical means, is formed which increases the solubility of the minerals causing the water to hold more of them in sub-micron suspension and allowing them to pass harmlessly through your pipes and equipment.
- A change in the crystal structure in the calcium carbonate (from calcite to aragonite) results in a loss of its negative adhesive properties that makes limescale attach itself to all pipes and equipment.
- An enhanced magnetic surface charge is also imparted to all calcium carbonate molecules. Enough for these particles to repel each other as well as the interior surfaces of any pipes—black steel, galvanized, copper—and any equipment you have in the fluid.

