

# Triangular Wave Technologies Advanced Microprocessor Deposit Control System

Control Lime Scale and Bio-fouling in all Water-Fed Appliances...

**Coffee & Tea Dispensers • Bottleless Water Coolers  
Soup Vending Machines • Espresso Machines • Tavern Draft Taps  
Soda Dispensing Equipment • Spas • Aquariums and many more.**

## How the Triangular Wave Systems Control Lime Scale, and Biological Deposits.

Scale and biological deposits form when these elements "stick" to the surfaces of tubes/pipes, water heaters, plumbing fixtures and other equipment. The Triangular Wave Deposit Controller charges the particles in the water so that they cannot stick together or stick to any surfaces.

### Simply Said...

The Triangular Wave Technologies Deposit Controller will give you the total effect of soft water without the negative consequences, and clear up the deposits you already have!

### Breakthrough Technology Means...

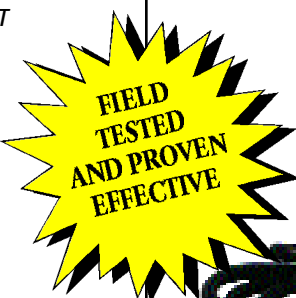
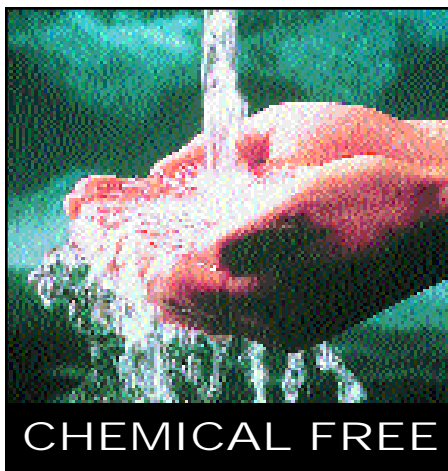
- Provide the effects of softened water, neutralizes calcium hardness effects in the water
- Reduces onsite service calls
- Prevents scale & slime buildup on tubes/piping and equipment surfaces
- Uses no salts or other chemicals
- Service and **MAINTENANCE-FREE!**
- Improves efficiency of all water-fed appliances and extends their life cycle
- Quickly pays for itself and continues saving (energy, water and maintenance)
- Descales the entire system over time
- Designed for safety: The output is safe to both personnel and equipment. There is **NO ELECTRICAL CONTACT WITH THE PIPE**

### All the benefits of SOFT WATER WITHOUT THE SALT!

- Reaction chamber compatible with all types of pipe/tube
- Easy to follow installation instructions
- Takes up minimal space and plugs into a standard 110/120 vac outlet
- **90 DAY MONEY BACK GUARANTEE**
- **5 YEAR WARRANTY**
- Uses only \$10.00 to \$14.00 of electricity per year
- **STOPS LIME SCALE BUILD UP**

## The Patented Triangular Wave Deposit Control System

The *Triangular Wave Deposit Control System* is an advanced method for controlling scale and bio-fouling. The patented *Triangular Wave System* includes a factory-wrapped and protected TWT Reaction Chamber (solenoid coil) that connects to the TWT Deposit Controller and power supply, which **constantly changes the polarity, frequency and amplitude** of the current being sent to the solenoid. This forms an ever-changing electromagnetic field, which induces a constantly changing voltage that treats the particles in the water 100% of the time.



For pipes 1/2" or less  
Larger sizes available upon request

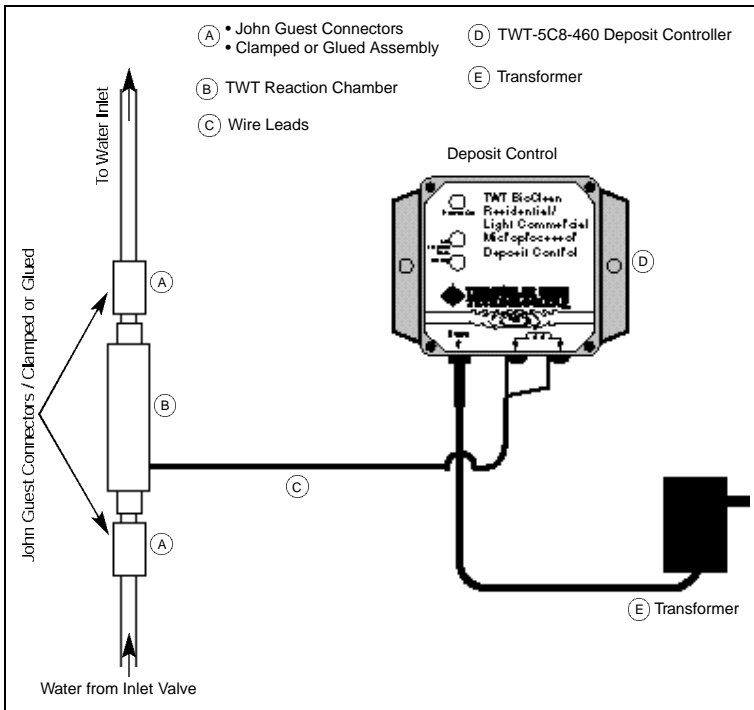
### Fluid Management System Solutions...

- **New equipment:** TWT provides new equipment with the ability to enhance the product benefits and features.
- **Existing Equipment :** Retrofit existing equipment to improve its operating efficiency and life cycle.
- **Enhance Product Line:** Enter new markets and broaden customer satisfaction.

CLEANER WATER IS HEALTHIER WATER!

**TRIANGULAR WAVE TECHNOLOGIES, INC.**  
FLUID MANAGEMENT SOLUTIONS  
www.triangularwave.com

# Deposit Control System Installation for Water-Fed Appliances



Example diagram of typical washing machine application

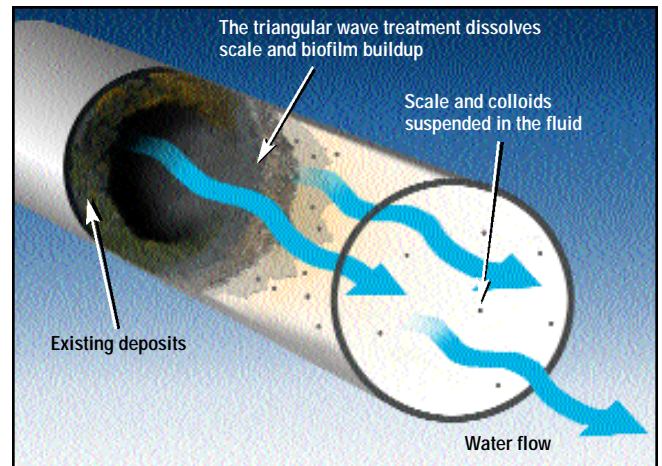
**Note: Deposit Controller/Reaction Chamber should be installed on water feed line after any filter and/or solenoid valve system. Install Reaction Chamber on water feed line midway between solenoid valve and water tank.**

Our suggested considerations for optimal installation of the TWT Deposit Control System:

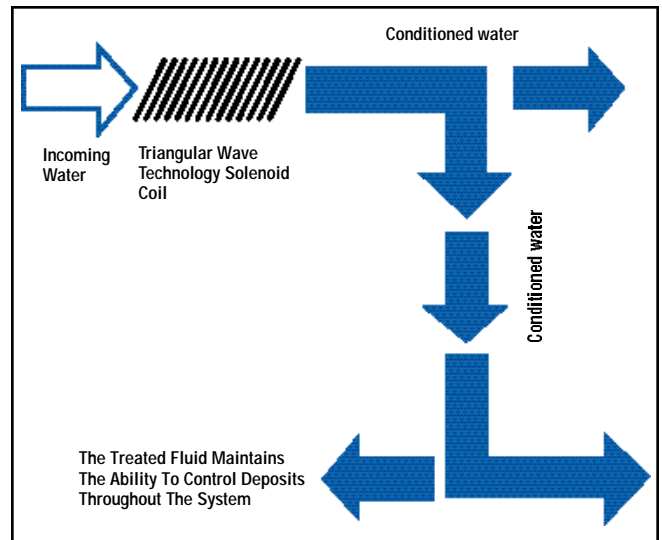
1. Cut water line and insert TWT Reaction Chamber using John Guest connectors. Clamp as illustrated.
2. Attach power supply to back of machine or adjacent to water-fed appliance in safe location.
3. Attach wire leads from Reaction Chamber to terminals on Deposit Controller.
4. Plug transformer/power supply into a standard 110 VAC outlet.

The Deposit Control System will provide the means to keep deposits (calcium, lime, etc.) in solution for extended periods, if not disturbed. The ability of the fluid to retain the deposits in solution is reduced by fluid disturbances (e.g., pressure changes) and high temperature conditions (flashing, boiling, etc.). In Automatic Fill Systems, a Fill Solenoid Valve will be used to control the fluid level in the fill system. Where a large pressure change takes place immediately downstream of the solenoid valve, **TWT recommends that the Reaction Chamber and/or the on-site wrap be located downstream from the solenoid valve to avoid this pressure change point.**

When water boils and is evaporated, the calcium and other dissolved solids remain and form deposits. These deposits will be softer and more easily removed when treated by the TWT system. If a heating system can be operated without boiling/flashing on the surface of the heating element, a significant reduction in deposits will be obtained. As the fluid temperature is lowered from boiling, the ability of the TWT-treated water to hold the minerals in solution increases.



When the TWT systems are properly installed, the effects of the Triangular Wave Technology Treatment Last Downstream



*In effect, a clean, corrosion-free delivery system is restored and maintained in an environmentally safe and chemical-free manner. The result is clean pipes and tubing with no biofilm and reduced bacterial contamination.*

**CLEANER WATER IS HEALTHIER WATER!**