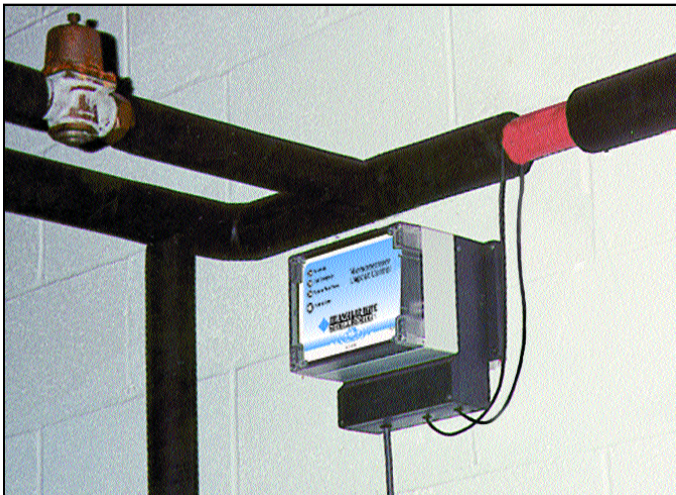


TRIANGULAR WAVE Fact Sheet

How the Triangular Wave Technologies™ System Stops the Formation of Scale, and Biofouling in the Water Systems

The **Triangular Wave System** is an advanced electronic method of controlling scale and bio-fouling in once-through and recirculating HVAC, process cooling, mineral processing wastewater and other fluid based applications.

The **Triangular Wave System** is a solenoid with a microprocessor controlled power supply that generates a patented triangular wave signal. That signal forms a specialized electromagnetic field in the fluid pipe that causes bacteria and scale forming colloids in the water to receive a strong boost in their natural surface charge. The charged particles repel one another and remain in stable suspension, rather than uniting to form scale or colonizing to form biofilm or other system-fouling solids.



Triangular Wave System on incoming water line

This means that water systems including heating and cooling equipment, vessels and piping, filtration systems, and other water-handling equipment are kept clean and free of slime, scale, and sludge.

Benefits include water conservation, energy savings, and lower maintenance, without any requirements to handle, store, or dispose of chemicals.

The Triangular Wave System offers an inexpensive and effective means of maintaining clean water systems without chemicals.

The **Triangular Wave System** represents a significant breakthrough in electromagnetic technology. The patented triangular wave delivers a wide variety of frequencies and amplitudes to the particles in the fluid. Each particle type responds to a different frequency amplitude (some need a “slap”, some need a “jab”, and some need a left hook). The innovative triangular wave technology has made the applications of electromagnetic technology into large commercial and industrial systems possible. The **Triangular Wave System** has sophisticated microprocessor controlled power supplies and high-tech engineering that allow it to treat water and other fluids in situations that are beyond the capabilities of other so-called “alternative water treatment” technologies.