

# Triangular Wave Technologies Deposit Control and UV-5000 Disinfection Systems

## Eliminate the biofilm that serves as a breeding ground for disease-causing bacteria, collecting in your pipes, tubing and equipment.

All the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art Microprocessor Deposit Controller, Solenoid Coil and/or Reaction Chamber, and UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume you need-ask us to specify the system that works best for you! The patented Triangular Wave Deposit Control System conditions the water before it enters the water lines for the equipment and ultraviolet system. The bacteria and scale particles in the water are conditioned so that they remain suspended and unable to attach to the water line walls or the ultraviolet system. In addition, the conditioned water will attack the biofilm on the walls of the water lines and cause it to detach from the walls and remain suspended in the water. By eliminating the habitat provided by the biofilm, the bacteria will ultimately die off.

The TWT-UV-5000 sterilizer is a very cost-effective unit that is suited to the larger industrial application requiring 50 gallons per minute (200 L.P.M.) of clean, sterilized water. The unique design of this unit parallels two germicidal lamps in a highly efficient low maintenance configuration to provide clean water, free of disease-causing pathogens. All sterilizers are manufactured to strict tolerances of 316 stainless steel. Our germicidal lamps are effective for 8,000 hours and are replaced in a simple ten minute procedure.

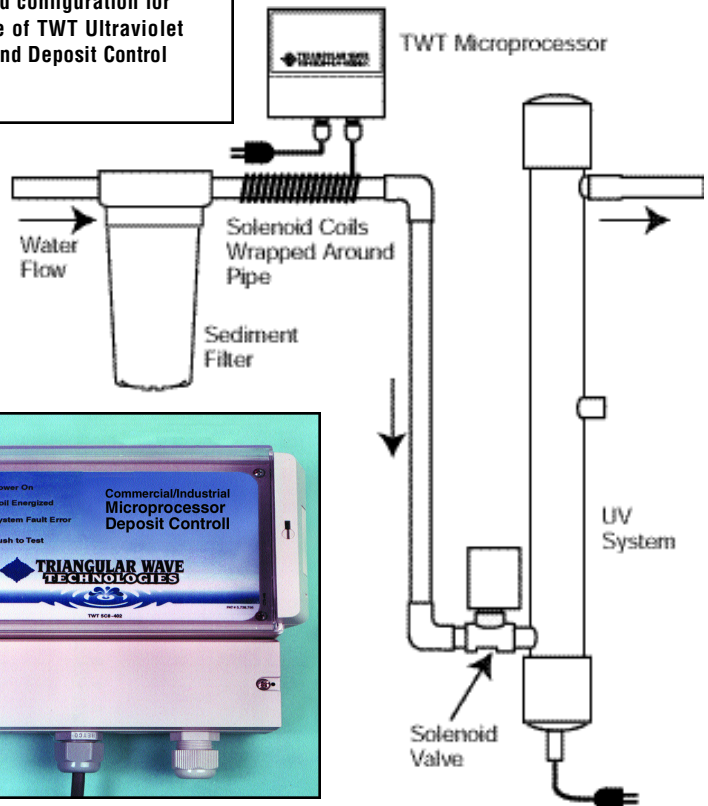
### Use TWT combined Deposit Control and UV 5000 Disinfection

- For large industrial applications
- Wherever you want to eliminate the use of chemical treatment in your water supply

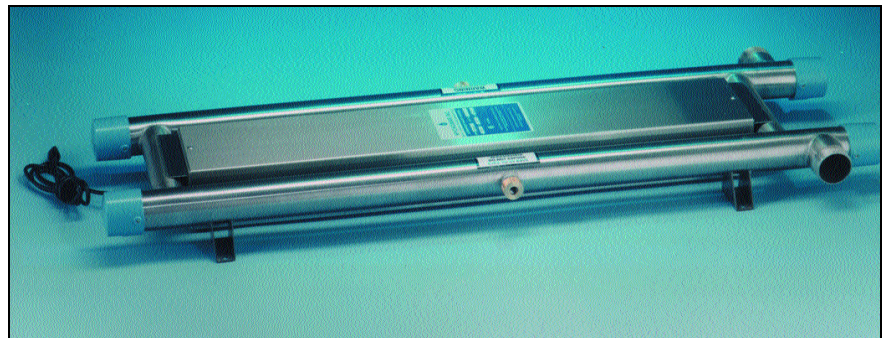
*In effect, a clean, corrosion-free water delivery system is restored and maintained in an environmentally safe and chemical-free manner. The result is clean water lines and tubing with no biofilm and reduced bacterial contamination.*

## Water The Way Nature Intended It!

Recommended configuration for combined use of TWT Ultraviolet Disinfection and Deposit Control Systems



TWT-5C8-402 Commercial/Industrial Microprocessor Deposit Control



### TWT-UV-5000

Rated Flow: 200 Liters per minute 53 Gallons per minute  
 U.V. Dose @ Rated Flow: 40,200 mw/sec/cm<sup>2</sup>  
 Maximum Flow: 290 Liters per minute 77 Gallons per minute  
 U.V. Dose @ Maximum Flow: 27,000 mw/sec/cm<sup>2</sup>  
 Electrical Supply: 120V/60 Hz / 3A mp 240V / 50 Hz / 3Amp  
 Power Consumption: 200 Watts  
 Maximum Operating Temperature: 37C (98.6F)  
 Maximum Operating Pressure: 125 psi - 8.6 Bar  
 Plumbing: 2" N.P.T. In-Out  
 Size: 50" x 6.5" x 16" (127cm x 16.5cm x 41cm)  
 Weight: 74 lbs (34 kg)  
 Body: 316 Stainless Steel