

Versatile Fluid Management Systems To Effectively Meet The Needs Of Any Application



Upgrade Deposit Controllers if extreme hard water conditions exist

Unique, Scalable Systems For Every Need

Configuring for extreme hard water conditions (TDS)

TWT Deposit Control Systems can be deployed in different modular configurations, scaling to fit your specific needs.

Example:

An industrial plant with 2" piping and a moderate to high Total Dissolved Solids (TDS) level could be treated with the expected TWT 402 (2") Deposit Controller and the appropriate 2" Reaction Chamber or Copper Pipe Signal Enhancer.

If that site, however, had a very high TDS level, the 2" pipe would best be treated by a 3", 4", or even 6" TWT Deposit Controller combined with the appropriate 2" Reaction Chamber or Copper Pipe Signal Enhancer, depending upon the severity of the TDS level. In other words, for unusual situations, application of TWT products can be scaled up to meet those needs.

For Recirculating Systems:

Guide to Choosing Your Products by Volume of Water

The proper use of a TWT Deposit Control System will generally allow standard water system operation at concentration ratios of between 6 and 8, conserving a great deal of water and energy. Average untreated systems typically run at concentration ratios of 3 to 4.

The chart below is provided as a guide and approximation only - the choice of products to be used at any given site will depend upon the water quality and other specifics of that site

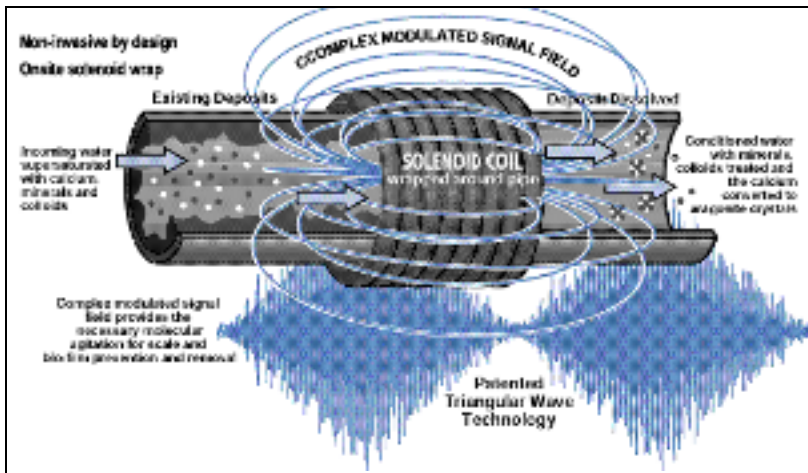
Assuming a Concentration Ratio of 6 to 8:

A 2" TWT Deposit Control System can generally treat a recirculating volume of water up to 6,000 gallons.

A 4" TWT Deposit Control System can generally treat a recirculating volume of water up to 19,000 gallons.

A 6" TWT Deposit Control System can generally treat a recirculating volume of water up to 43,000 gallons.

An 8" TWT Deposit Control System can generally treat a recirculating volume of water up to 77,000 gallons.



Using modern integrated circuitry and signal processing techniques, the patented TWT Deposit Control Technology works by producing a complex frequency-modulated waveform. This creates a deionizing effect, induced by physical means, which increases the solubility of the minerals, and colloids in the liquid and changes the shape, size and texture of the calcium carbonate crystals.

By this reaction, the minerals, colloids and crystals lose their adhesive properties and remain in suspension in the liquid. Pre-existing scale is taken back into solution and removed in the same way. The effects are immediate and long lasting down stream.