

Triangular Wave Technologies Patented PVC Reaction Chambers



TECHNICAL DATA

Factory Wrapped PVC pipe solenoid for use with Microprocessor Deposit Control System.

Reaction Chambers: Special Notes

All Reaction Chambers are available as Special Orders [Custom sizing and material upgrades] upon request; and upon the approval of Triangular Wave Technologies, Inc.

PVC pipe mentioned in all descriptions is Schedule 40 PVC material.

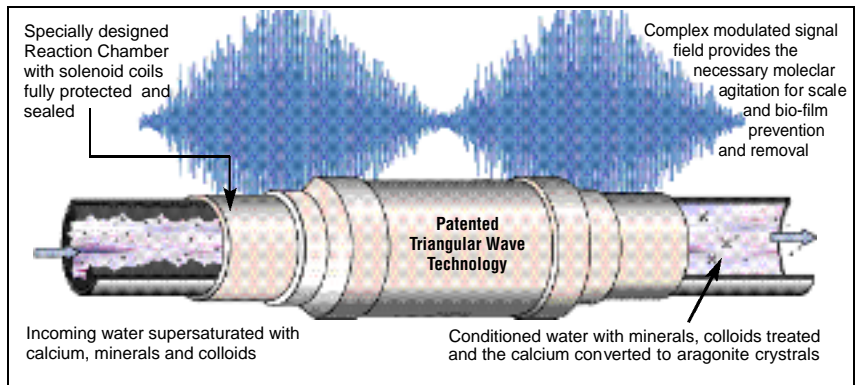
Schedule 80 PVC material available upon request.

The PVC Reaction Chambers are factory wrapped and assembled with two bulkhead connectors, 15 feet of conduit, 16 feet of wire, and are ready for installation.

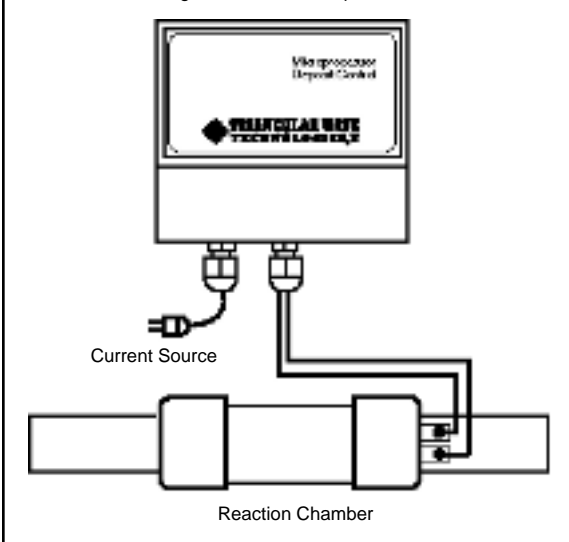
Size Range: 1", 2", 4", 6", and 8"

To use in conjunction with the TWT Deposit Control Systems when required, Triangular Wave Technologies, Inc. has developed a line of factory-wrapped wire coil Reaction Chambers to address magnetic pipe environments. **Typically, wire coil cannot be installed on any magnetic pipe, such as steel, galvanized steel, ductile iron, or cast iron.** If a coil is applied to such a pipe, the pipe becomes a shield and prevents the wave energy from entering the fluid path. The TWT Reaction Chambers solve this problem by providing an easily installed section of non-magnetic pipe to provide the proper pipe material for the Deposit Control System to work as designed. The TWT Reaction Chambers are fully sealed, protecting their two layers of factory-wrapped coil. The PVC, Stainless Steel and the Industrial Reaction Chamber systems are designed and manufactured to meet the highest quality specifications.

Schematic rendering of 2" reaction chamber



Schematic rendering of solenoid hookup



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.

CLEANER WATER IS HEALTHIER WATER!

