



TRIANGULAR WAVE Fact Sheet

TWT manufactures the Triangular Wave System, a patented technology that prevents the formation of biofilm, sludge and scale deposits in industrial water systems

Illustration at right: The Triangular Wave solenoid is placed directly on any non-ferrous pipe in a water system, or in a reaction chamber for ferrous pipe applications. The solenoid is energized by a microprocessor controlled power supply.

Bacteria and colloids responsible for scale and sludge deposits are electrically altered by the induced-voltage field of the **Triangular Wave System**, preventing their attachment to surfaces or to other suspended materials.

Results:

- Superior anti-fouling performance helps maintain heat-exchange surfaces in clean condition, improving thermal efficiency, reducing power consumption, and lower maintenance costs.
- Prevention of biofilm formation denies harmful bacteria such, as Legionella, places to live and colonize. In addition, the system is protected against biocorrosion.
- Elimination of foul odors and corrosion potential caused by accumulation and growth of water-born organisms.
- No requirement for use of acid, or hazardous toxic chemicals.

