



TRIANGULAR WAVE Fact Sheet

Electronic Deposit Control Systems



The Triangular Wave System has protected these evaporative condensers at a major refrigerated food distribution warehouse for 3 years with no chemical treatment.

The Triangular Wave is a patented system that prevents the formation of biofilm, sludge, and scale deposits in water systems.

The surface charge of colloids and bacteria responsible for the scale and sludge deposits is electrically altered by the induction field of the Triangular Wave System. The increased surface charge elevates the zeta potential of these deposit-forming materials, causing them to remain in suspension. Fouling and corrosion related to biofilm, sludge, and scale are thereby prevented.

Triangular Wave Benefits:

- **Superior anti-fouling performance helps maintain heat-exchange in clean conditions, improve thermal efficiency, reducing power consumption, and lowering 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 orders and corrosion potential.**
- **No requirement for the use of acid, or hazardous or toxic chemicals.**

The Triangular Wave System prevents the formation of deposits and contributes to the removal of existing accumulations.

Triangular Wave Applications:

- **Heating, ventilation, air conditioning, and refrigeration.**
- **Control of fouling in process heat exchangers.**
- **Biofouling and corrosion control.**
- **Scale control in process evaporator systems.**
- **Enhancing the effect of ozone, chlorine, and other biocides.**
- **Prevention of reverse osmosis membrane fouling.**
- **Prevention of clogging of spray emitters.**