



# TRIANGULAR WAVE

## Fact Sheet

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## BENEFITS OF THE TRIANGULAR WAVE SYSTEM

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### PREVENTS SCALE BUILD-UP

- Scale particles in the water receive an enhanced surface charge that causes them to repel each other and the walls of the equipment.

### ELIMINATES TOXIC CHEMICALS

- No recurring chemical expense
- No handling and storage of hazardous chemicals on site

### REDUCES CORROSION

- Reduces bio-corrosion by preventing the formation of bio-growth on vessel surfaces where bacteria can attack the metal.
- With higher concentration ratios and TDS, the pH will be higher and there will be much less tendency for corrosion.

### CONTROLS ALGAE AND BACTERIA

- Bacteria and algae must attach to something before they can feed and reproduce. The Triangular Wave System keeps the bacteria, algae, and their food dispersed in the water, off of surfaces, and away from their biofilm breeding ground.
- Eventually the biofilm will die, too.

### SHORT PAYBACK PERIOD

- The combined reduction of water and chemical costs is enough to pay for the Triangular Wave System in as little as 9 to 18 months.
- With the Triangular Wave System, the systems can run at higher concentration ratios; meaning the amount of water removed as blowdown and the corresponding sewer charges are greatly reduced.
- With no chemicals being added, the requirements for pretreatment of blow down are eliminated.
- Labor costs for maintaining the chemical systems will be reduced.
- Labor costs to clean the vessel surfaces will be reduced.
- Costs to replace corroded parts will be reduced.
- The Triangular Wave System requires no maintenance.
- There is little electrical current flow in an electromagnetic system
- The Triangular Wave System costs about 10 cents per day to operate