Evaporative Air Coolers

Hard water problems and scaling are never more evident than to owners of evaporative coolers. Better known as “swamp coolers”, most home owners and businesses in the western United States rely on these systems for air cooling during the hot summer months. However, hard water causes severe scaling that requires constant maintenance and replacement of the filter pads.

Scale build-up on evaporative cooler system on the Gila River Housing Authority, an Indian Tribe in New Mexico. The filter pad is completely scaled up in just one month and needs to be cleaned or replaced periodically. When the pad is clogged up, the air flow reduction increases humidity which reduces the efficiency and effectiveness of the air cooler. The corrosion rate increases with scale buildup, causing considerable depreciation of all cooler parts including the blower, brackets and pumps.

A SOLUTION...

By simply installing the SB-25 ScaleBlaster™ unit on the recirculating line, you can enjoy these benefits...

- No longer do you have to climb up on your roof every month to clean or exchange the filter pads.
- Save $$$ on service calls, cooler parts and filter pads.
- Stops bleed line from clogging up which causes higher TDS levels and more scaling.
- Allows the air cooler to function at its maximum potential all the time—providing you with maintenance-free cool air!

ONE MONTH OF SCALE DEPOSITS

TEN DAYS AFTER PAD WAS HOSED OFF AND SCALEBLASTER INSTALL

THIRTY-NINE DAYS AFTER INSTALL

NINETY-FIVE DAYS AFTER INSTALL

GOING...

GOING...

GOING...

GONE!!!
ScaleBlaster’s signal cable produces an oscillating electric field using a unique and complex modulating frequency wave form that produces an inaudible sonic impulse that changes the electrical and physical properties of the scale-forming calcium molecules. This causes the adhesive properties of the calcium carbonate crystals and other minerals to repel rather than adhere to pipes, fixtures and remain suspended in the water. This action stops any further build-up of scale and because the solubility of the water is increased, existing scale is taken back into the water and gradually removed.

- Easily Installed
- No Plumbing
- No Hardware
- No Chemicals or Salt

Complex dynamic inaudible magnetic signal at sonic frequencies causes turbulence in water molecules and ion exchange in mineral atoms.

Incoming water containing calcium and other minerals in solution.

Signal cable wrapped externally around pipe (25-40 turns).

Signal takes calcium out of solution-forming minute charged soft, smooth crystals.

Crystals unable to adhere to any surface and therefore do not precipitate out as hard scale.

Corporate Office
1166 Kapp Drive
Clearwater, FL 33765
Toll Free 1.800.756.7946
Phone 727.562.5186
Fax 727.562.5187