



Scale & Corrosion Protection

Energy-Free • Chemical-Free



Quality Built





Certified to the Highest Standards









How Does It Work?

- Hard/alkaline water flows over internal surfaces creating an electrostatic charge
- Electrostatic charge forces hardness (calcium and magnesium) to react with the alkalinity in the water causing carbonate scale particles precipitate
- The carbonate particles pass through the system and are not able to deposit as scale on piping, valves, fixtures and heat exchange surfaces
- The bulk water is now unsaturated in hardness which allows existing scale deposits to dissolve and be removed from the entire system
- The all happens without the need for electricity or maintenance



Threaded Models





Flanged Models



SCALE**BUSTER**



Extensive

Installed Base – Over 300,000 since 1990









Extensive

Installed Base – Over 300,000 since 1990









Trusted by

Major Companies



























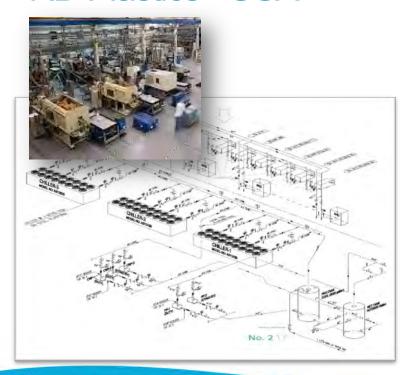


Case Studies

- RD Plastics Illinois, USA
- *Hachez-Chocoladen Bremen, Germany
- ❖ Dong Boo Chemical Co. Multiple Facilities, South Korea
- **❖ VA Hospital** Houston, TX, USA
- Continental Teves Gifhorn, Germany



RD Plastics - USA



Water System Challenges

- Closed circuit cooling using city water/storm water blend and softened to 10°dH
- Consumes 25,000 gal. of fresh water & salts weekly

Solution

- ScaleBuster® units for each HX (entry) / tool
- ScaleBuster® treats water entering the cooling circuit & side stream unit to remove precipitated hardness

- Lime-free tool cooling ducts & discharge locations
- Less corrosion in the tools
- ScaleBuster® ROI achieved in <2 years





Hachez-Chocoladen - Germany



Water System Challenges

- Scaling residue on casting molds coming out of the huge "dishwasher" machine
- Caused chocolate to appear dull

Solution

 ScaleBuster® conditioner (SB100-16) installed upstream of "Dishwasher" to prevent scale residues on the molds

- Improved look of chocolate shiny vs. dull
- Additional ScaleBuster® conditioners added to protect rollers and nozzles in different parts of the process





Dong Boo Chemical Co. – South Korea



After





Water System Challenges

- Factory used electrode holders for cooling the furnace
- Avg. Replacement: 7.8 holders per month

Solution

 ScaleBuster® units installed on main inlet pipes (one SB150 and 2 x SB200s)

Results

 Replacement rate of the holders was reduced by over 50%





Houston VA Hospital – USA





Water System Challenges

- Cooling water causing scale, corrosion & biogrowth
- Reduced efficiency, leaks, shortened equipment lifespan; hazardous chemicals required

Solution

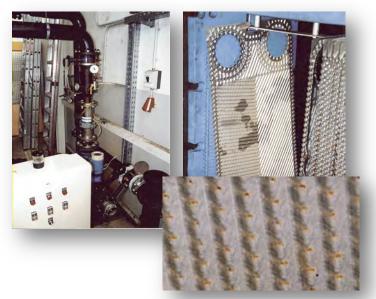
 ScaleBuster® units allowed reduced chemical usage while keeping system free of scale buildup & corrosion

- ScaleBuster® technology installed in the mechanical room in 2008
- Excellent results of HVAC water treatmentprompted hospital to specify the same technology for 7,000 Ton HVAC for a new wing being built





Continental Teves - Germany



Ontinental

Water System Challenges

- Scale deposits & corrosion in stainless steel heat exchangers
- Shortened system life, excessive downtime

Solution

 ScaleBuster® conditioners installed on the discharge side of pump

- Maintenance intervals lengthened by a factor of 4 to 6 times
- 2004 examination showed no corrosion of heat exchanger plates



