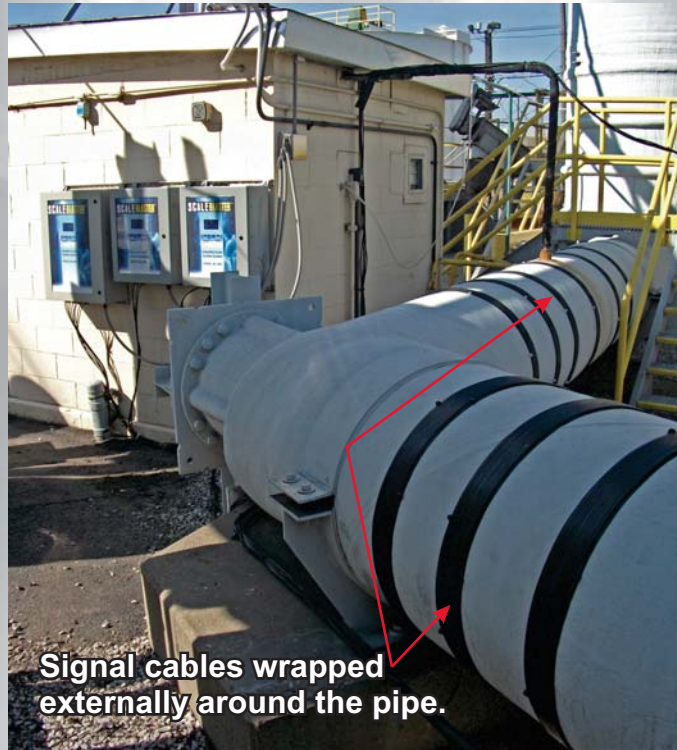


Several models to handle any size pipe & application



ScaleBlaster is available in 13 different models to handle any size pipe up to 40 inches.

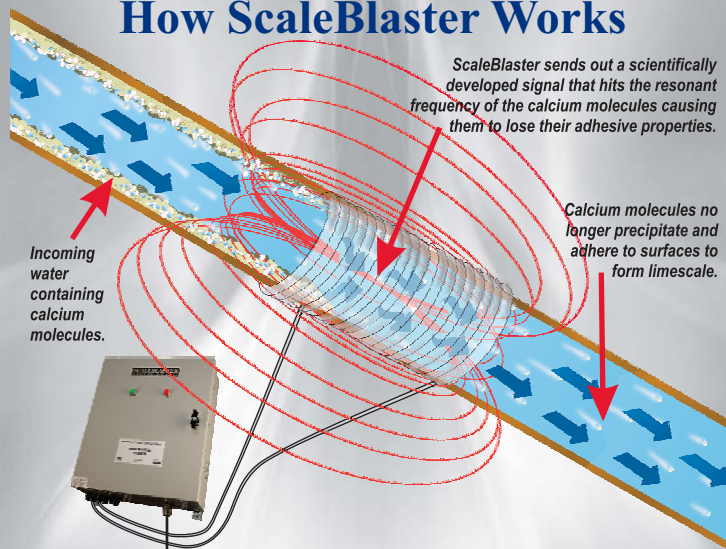
How ScaleBlaster is installed



Signal cables wrapped externally around the pipe.

The ScaleBlaster system is installed on the incoming water supply line or recirculating line. The installation involves a computerized power control box that is mounted on the wall and a signal cable that is simply wrapped around the outside of pipe. There is no cutting into the pipes at all. This system is on **American Bottoms - Wastewater Treatment Facility, Sauget, IL**

How ScaleBlaster Works



SCALEBLASTER®

WATER CONDITIONER

The Sustainable Solution To Hard Water



Worldwide Success Since 1995

ScaleBlaster has enjoyed worldwide success since 1995 and is used by many of the largest companies in the world today. References and additional brochures are available upon request.

Manufactured by



Established 1989



Authorized Dealer

ScaleBlaster.com

800-756-7946



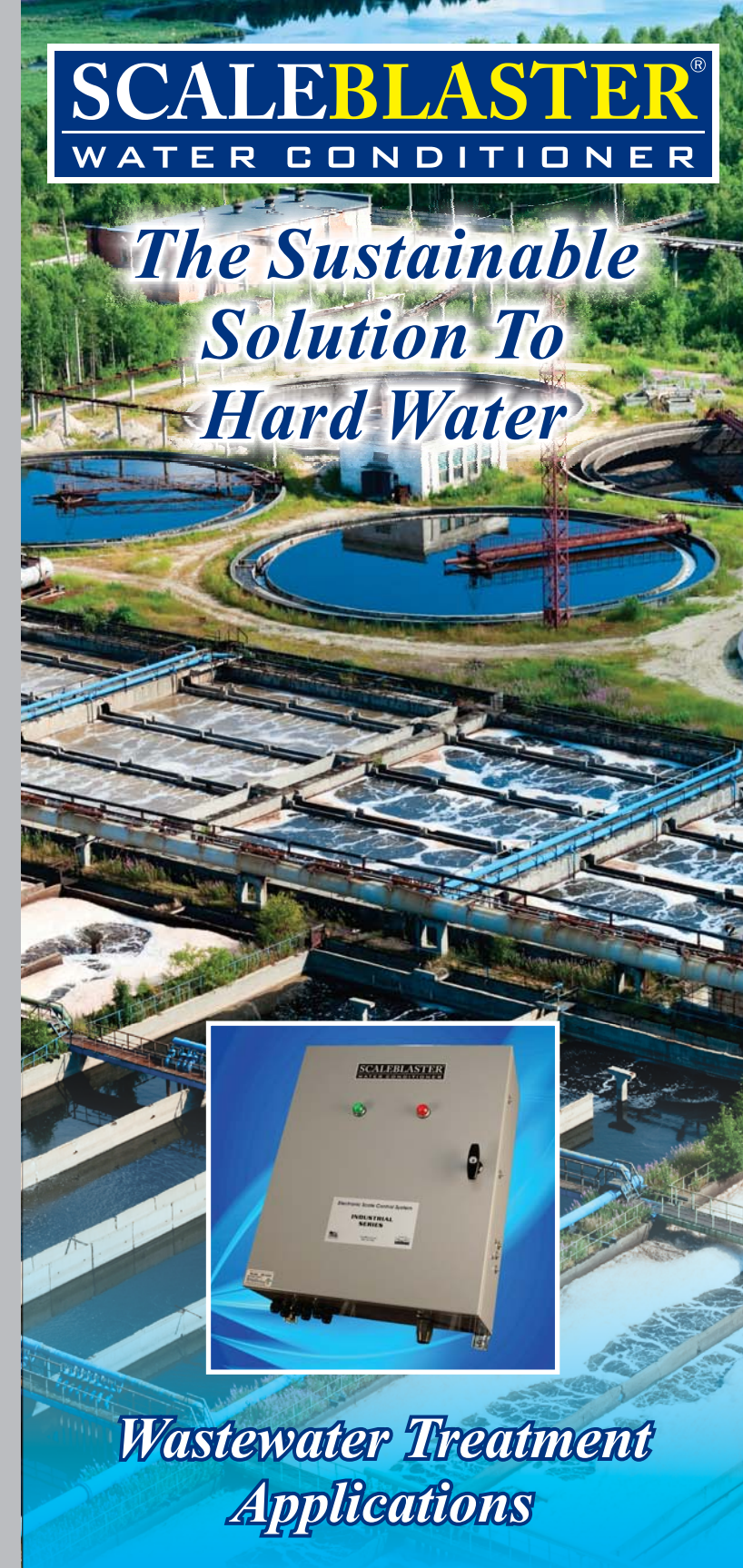
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SCALEBLASTER®

WATER CONDITIONER

The Sustainable Solution To Hard Water



Wastewater Treatment Applications

December 24, 2002

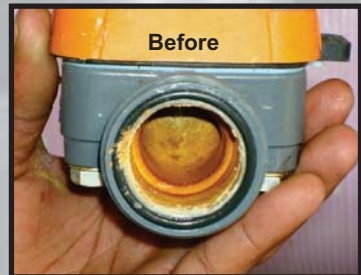


February 19, 2003



City of Henderson, Nevada Water Reclamation Facility with actual before and after photos of scale removal

Before



After



Electronic valves at the City of Stuart, Florida Water Reclamation Facility were descaled by ScaleBlaster and now stays scale-free without any chemicals or maintenance.

Introducing

SCALEBLASTER® WATER CONDITIONER

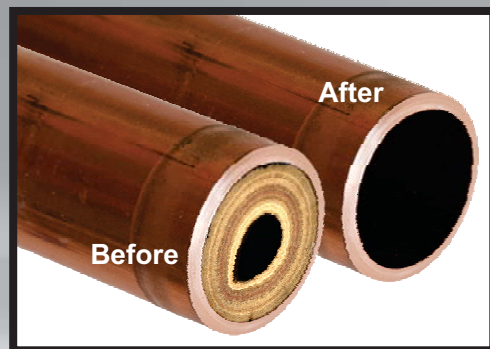
The Sustainable Solution To Hard Water

Wastewater Treatment



Hard water & limescale formation are a problem for the wastewater industry. Until now, the only reliable solutions were chemicals, scale inhibitors or salt. ScaleBlaster can offer you an environmentally-friendly alternative.

- Electronic descaling system removes limescale deposits and prevents any further formation
- Never requires chemicals or maintenance
- Fast return on investment
- Environmentally-friendly



Wastewater Treatment Applications

Polymer Systems

Potential reduction of polymer usage and increased dewatering capabilities.



ScaleBlaster will prevent this from happening

Lime or Soda Ash Treatment

Soda ash is the most commonly used treatment for a low pH reading in a wastewater stream. It is inexpensive, safe and able to be released without EPA concern. Soda ash is raw, uninhibited scale, by nature. Slurry pumps used to push the lime slurry into the water stream are subject to lime scale buildup. The ScaleBlaster System placed on the suction side of the pumps will prevent scale deposition on the pumps.



ScaleBlaster is installed on the City of Stuart, Florida Reclamation Facility and removed all limescale formation from the chlorine lines & electronic valves. This freed up an employee from having to spend one day a week cleaning them out.

Chlorine Injection Pumps / Pump Deposits

The chlorine lines and pumps that are used to feed chlorine into the treatment stream become full of lime scale deposits and must be cleaned. The ScaleBlaster System will keep scale particles suspended in solution and off of the pump surfaces.

Clarifiers

ScaleBlaster forms soft sludge instead of hard lime scale for decreased cleaning frequency and easier removal.



American Bottoms Wastewater Treatment Facility in Sauget, Illinois has dramatically decreased the time needed to clean their clarifiers

Sensors & Instrumentation

The ScaleBlaster System benefits sensors, probes and control valves. Calcium particles remain suspended in solution and will not leave deposits on vital measuring equipment.

Mixing Tank

Using lime to treat high pH water or soda ash to treat low pH water can present some of the greatest scale control challenges in the industry. The lime or soda ash is mixed with water to form a slurry and then is pumped into the water to be treated. The mixing tank is prone to scale deposition on the sides and the mixing propeller gets scale buildup, too. The ScaleBlaster System can treat the water to be mixed and will keep the tank sides and propeller clear of lime scale buildup.

Effluent System

The ScaleBlaster System will protect the discharge line, keeping it free of lime scale caused by heavy concentrations of the calcium carbonate.

Resin Bed Calcification

The ScaleBlaster System will keep the calcium carbonate ions in solution, preventing the calcification of the resin bed and the formation of channels in the bed that lead to ineffective treatment.



Actual Test Coupons from the PChem Wastewater Treatment Facility in Illinois

Sodium Bisulfite Line

ScaleBlaster will prevent calcium coming out of solution and plugging up the sodium bisulfite lines used to remove chlorine and control pH levels.

Sodium Hypochlorite Line

ScaleBlaster will remove limescale formation in the chemical feed lines and allow for optimal flow rates throughout the disinfection system from the injector to the contact basin.



ScaleBlaster was installed on the City of Las Vegas Durango Hills Water Resource Center in June 2003 and removed all limescale deposits in their sodium hypochlorite lines.

Environmental Issues

Environmental issues and the "going green" movement in the World today is a more important issue than ever before. ScaleBlaster is the ideal environmental product.