

ION SCALEBUSTER®

ISB®

OVERVIEW

Ion Enterprises proprietary patented **ION ScaleBuster®** technology has been utilized for environmentally friendly, water conditioning by the residential, commercial and industrial markets for more than 15 years. The technology has been used by some of the world's largest commercial and industrial companies to treat scaling, corrosion, and other water challenges. Over 300,000 units have been sold and installed worldwide.

THE PROBLEM

Scale and general corrosion form on equipment surfaces and restrict water flow, clog systems and reduce system efficiency resulting in costly equipment down time and increased maintenance costs. Using chemicals to treat these conditions results in high chemical disposal costs, pollution of the environment and related health and safety issues.

Scale & Fouling

Degrades performance thus increasing energy and water usage

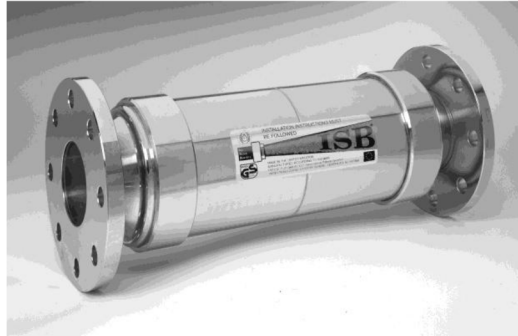


Corrosion

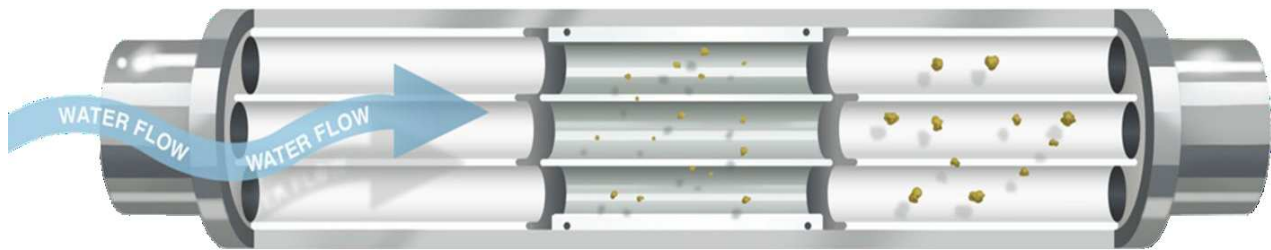
Reduces equipment life span and increases capital spending

THE SOLUTION

The basic and primary function of the **ION ScaleBuster®** as a physical water conditioner is to inhibit and prevent scale and corrosion in general pipe-work, heating and plumbing equipment, appliances and processing equipment. The patented electrostatic conditioner operates without any electrical power and has no moving components. The electrostatic device uses the dielectric characteristics of the metallic materials of its construction combined with the hydraulic conditions present during operation to force the precipitation of solid crystals in the water. This prevents scale and corrosion from forming and conditions the water to absorb scale already attached to internal equipment surfaces.



The range of applications to which **ION ScaleBuster®** can be used is extensive. Experience over 20 years with this **ION ScaleBuster®** technology shows that the fundamental requirements vary depending on water systems, system layout and equipment to be protected. The requirements will also vary depending on whether the product is for new construction or refurbishment of an existing system. **Ion Enterprises Ltd.** has established a family of products to cover the range of installations from individual appliance protection and building usage through to large heavy industrial process applications.



CUSTOMER BENEFITS

- Reduced operating costs
- Reduction in maintenance
- Reduction in energy use
- Improvement of health and safety
- Increased equipment lifespan
- Reduction in downtime
- Reduction of chemical handling and storage

ION Enterprises Limited has been trading since 1990, in 2012 was amalgamated with **newterra Ltd.** The company manufactures a range of environmental water treatment devices under the trademarks of **ScaleBuster®** and **ISB®**. Over the past years the technology has been installed by many well-known global companies with excellent results. The products have been applied into more than 300,000 applications to date.

For more information call **+852 3746 9033** or visit **www.alliedpower.com.hk**