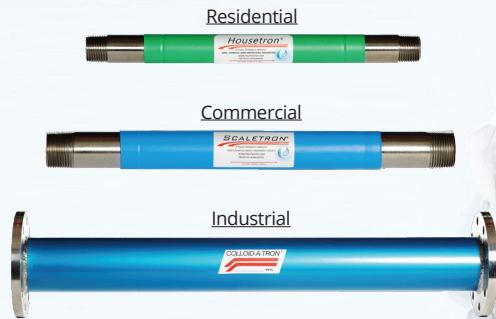


## INDUSTRIAL, COMMERCIAL AND RESIDENTIAL APPLICATIONS

- ✓ Certified lead-free solutions that are easy to install into new or existing systems.
- ✓ Proven catalytic non chemical scale prevention technology that is backed by science and endorsed by industry.
- ✓ Eliminates maintenance caused by scaling.
- ✓ Install products in remote locations with ease. No maintenance or power source required.



## WHY USE FLUID DYNAMICS?

Prevent new scale and reduce or eliminate existing scale by using technology that is backed by science.

Support our environment and save your resources by using products that are free of chemicals and environmentally friendly.

Make substantial savings on energy costs and maintenance requirements.



# Fluid Dynamics

Hard water solutions since 1973

## PREVENT LIMESCALE CAUSED BY HARD WATER WITHOUT USING SALT OR CHEMICALS!

USE THE SAME TOTALLY GREEN  
TECHNOLOGY THAT'S USED BY OUR CLIENTS

Kimberly Clark

Unilever

YMCA

Cargill

Coca-Cola

Briggs Industries

Bush Beans

Walmart

Honda

Giant Foods

Kellogg's

Fort Bend ISD

Ford

GSA

Cambridge University

Pfizer



Fluid Dynamics  
Hard water solutions since 1973

## FLUID DYNAMICS: THE WORLD LEADERS IN CHEMICAL FREE SCALE PREVENTION WATER CONDITIONERS

Fluid Dynamics offers the most effective green technology available to prevent scale in water systems.

With hundreds of thousands of our catalytic products sold since 1973 we have numerous case studies documenting our success with boilers, chillers, commercial grade water heaters, mixing valves, cooling towers, general piping and many other applications.

**No Salt or Chemicals, No Power,  
No Waste, Uninterrupted Water Flow,  
Restores Heat Transfer Efficiency to  
Reduce Heating Bills and Emissions.**

## BENEFITS

- NSF certified lead-free technology.
- No maintenance or operating costs.
- Environmentally friendly and chemical free.
- Provides constant supply of treated water.
- Reduces detergent consumption compared to untreated water.
- Our products protect system components such as water heaters and pumps improving efficiency and reliability.
- Sizes from 1/4" up to 72".
- Custom designs available.

## HOW IT WORKS

Water is subjected to a turbulent interaction as it passes over a catalytic core made of a special alloy. This causes a catalytic conversion to take place. Calcium carbonate is placed into suspension in an Aragonite state that cannot deposit as scale.



Unit with cut out showing catalytic core

A scientific study and a more detailed description can be found at our web site:  
[www.scalepreventionusa.com](http://www.scalepreventionusa.com)



## PROVEN TECHNOLOGY

Fluid Dynamics Technology Endorsed by GSA's Green Proving Ground.

Oak Ridge National Laboratory Confirms Effectiveness of Proprietary Catalyst-Based Nonchemical Water Treatment System in Field Test on Electric Domestic Water Heater in Federal Building.



The Oak Ridge Laboratory report concluded:

"The technology has demonstrated its effectiveness in this study, and should be considered for adoption by GSA facilities that are experiencing scaling issues in water heating systems."

"Most larger GSA facilities use cooling towers and hydronic heating systems to meet HVAC needs. These also would benefit from this technology."

## APPLICATIONS

- Water heaters.
- Boilers, low pressure calorifiers.
- Evaporators, cooling towers etc.
- Heat exchangers-plate type.
- Heat exchangers-tube type.
- Humidifiers (air washers).
- Condensers.
- Irrigation systems.
- Spray nozzles.
- Ice making machines.
- Steam mixing valves.
- Whole house protection.
- Injection molding machines.
- Vacuum pumps and valves.
- Compressors.
- Chemical reaction vessels condensers.
- Refrigeration general condensers, B.A.C type, compressors, sterilizers, temperature probes.
- Dish washers, bottle washers etc.
- Fruit processing.
- Air washer, scrubber, humidifier, coolers.
- Hotels, restaurants, stores, offices etc.
- Cereals, bakeries, vegetable processing.
- Film and x-ray processing furnaces.
- General cooling systems.
- Extruders.
- Presses
- and many more...



**Fluid Dynamics**  
Hard water solutions since 1973