

## *The Superior Water Softener Alternative.*

### Introduction

For years, water softeners have been virtually the only means of treating hard water. Other alternatives including magnets, electromagnets, RF devices and catalysts have been available but few have proven to be effective.

### Technology Breakthrough

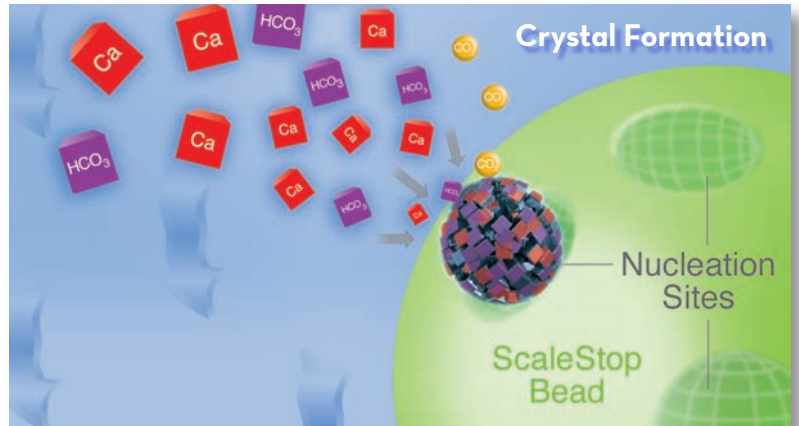
A recent development, Template Assisted Crystallization (TAC) has produced the first effective chemical-free scale prevention method. Based on TAC technology, **nextScaleStop** converts hardness minerals into harmless, inactive microscopic crystals.

### Tested and Proven

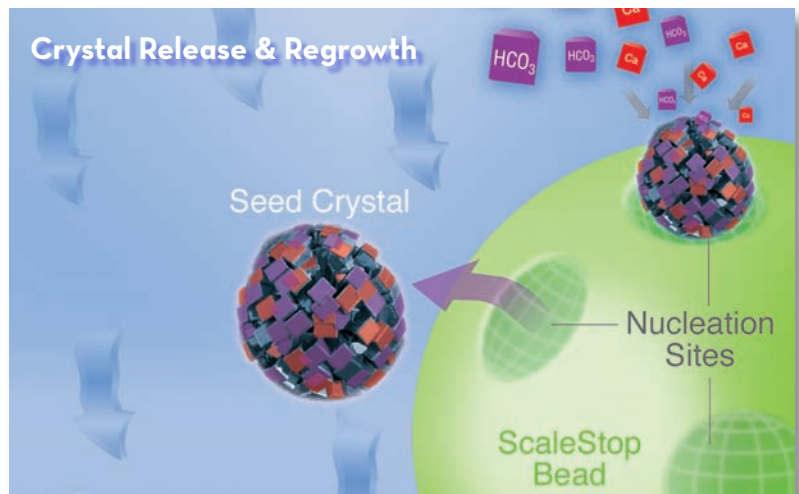
Tested by an independent laboratory against the international protocol for scale prevention, **nextScaleStop** achieved a 99.6% effectiveness rating - the only technology to do so and far more effective than any other water softener alternative. Proven in over 6 years of successful use in homes and businesses.

### Benefits

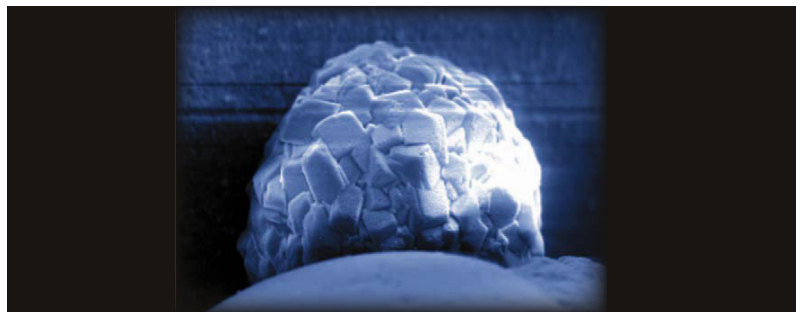
- Complete protection from scale for boilers, water heaters, dishwashers and more.
- No salt, chemicals or electricity required.
- No backwash water waste.
- Long lasting media-not consumed by the reactions.
- Can remove existing scale from pipes, boilers, water heaters, etc..
- Environmentally friendly-great fit for corporate "Green" programs or initiatives.



*Atomic sized nucleation sites on the surface of small polymer beads convert dissolved hardness into microscopic crystals.*



*Once the crystals grow to a certain size they are released from the bead. The crystals in solution keep the hardness out of the water so that it can't form scale or interfere with soap.*



*Crystal photo taken with a Scanning Electron Microscope.*

# next-ScaleStop Applications

## General Commercial/Industrial

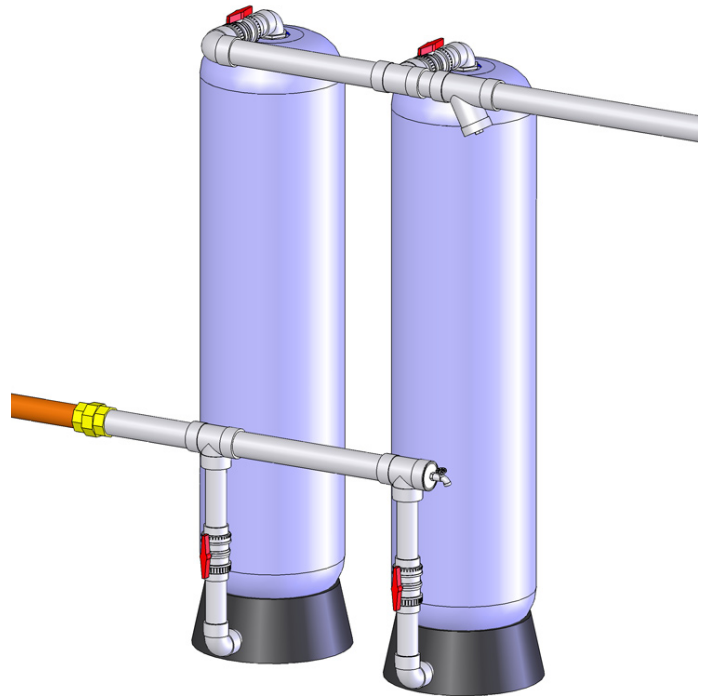
- Hotels, Hospitals, Apartments, Carwashes, Restaurants, etc.
- RO Pretreatment
- Humidifiers, Evaporative Cooling
- Instantaneous or tankless water heaters

## FoodService & Institutional

- Steamers
- Ice Machines
- Espresso & Coffee Machines
- Proofing Ovens

# next-ScaleStop Systems

System	Maximum Service Flow
NSS 744C	10 gpm
NSS 844C	12 gpm
NSS 948C	16 gpm
NSS 1054C	20 gpm
NSS 1252C	30 gpm
NSS 1465C	50 gpm
NSS 1665C	75 gpm
(2) 1465	100 gpm
(2) 1665	150 gpm
(4) 1465	200 gpm
(3) 1665	225 gpm
(5) 1465	250 gpm
(4) 1665	300 gpm
(5) 1665	375 gpm
(6) 16x65	450 gpm



## Water Chemistry & Limitations

- pH 6.5 to 8.5
- Hardness, max. 75 grains (1300 ppm CaCO<sub>3</sub>)
- Temperature 41 to 140° F (5-60° C)
- Chlorine <3ppm
- Iron 0.3 mg/l
- Manganese 0.05 mg/l
- Copper 1.3 mg/l
- Oil & H<sub>2</sub>S Remove prior to **next-ScaleStop**.
- Polyphosphates Remove prior to **next-ScaleStop**.

## Regulatory Approvals



nextScaleStop conforms to the requirements of NSF/ANSI 42, Section 4, when used at use levels up to 0.17 Liters of media per Liter of water with a 5 minute flushing and conditioning procedure.

**next**<sup>TM</sup> filtration technologies inc.

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