

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

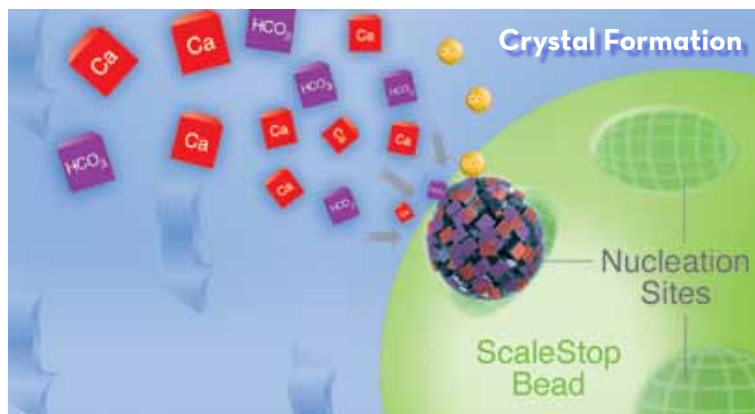
A recent development, Template Assisted Crystallization (TAC) has produced the first effective chemical-free scale prevention method. Based on TAC technology, **nextScaleStop** converts hardness minerals into harmless, inactive microscopic crystals.

Tested and Proven

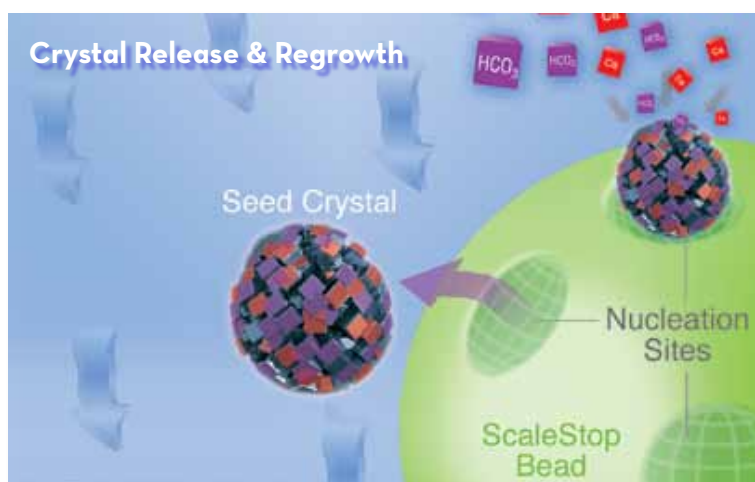
Tested by an independent laboratory against the international protocol for scale prevention, **nextScaleStop** achieved a 99.6% effectiveness rating - the only technology to do so and far more effective than any other water softener alternative. Proven in over 7 years of successful use in homes and businesses.

Benefits

- Complete protection from scale for boilers, water heaters and more.
- No salt, chemicals or electricity required.
- No backwash water waste.
- Long lasting media-not consumed by the reactions.
- 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 CaCO₃)
- 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 & H₂S Remove prior to **next-ScaleStop**.
- Polyphosphates Remove prior to **next-ScaleStop**.

Regulatory Approvals



nextScaleStop is tested and certified by the Water Quality Association to NSF/ANSI Standard 61.

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