

### *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 haven't proved to be effective.

#### Technology Breakthrough

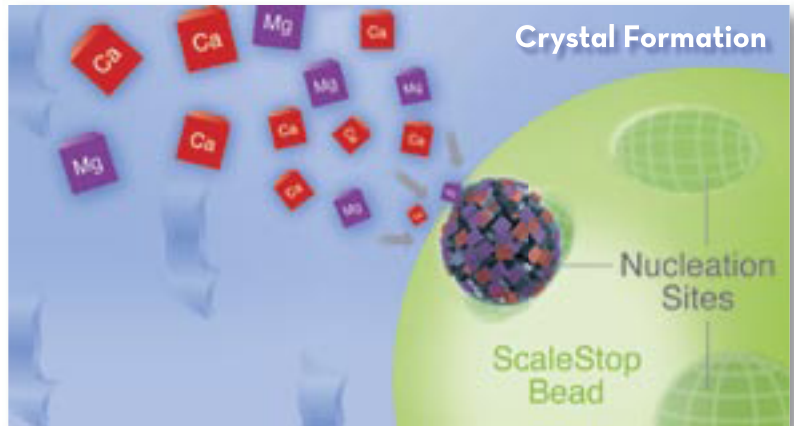
A recent development, Template Assisted Crystallization (TAC) has produced the first effective chemical-free scale prevention method. Based on TAC technology, **ScaleStop** converts hardness minerals into harmless, inactive microscopic crystals.

#### Tested and Proven

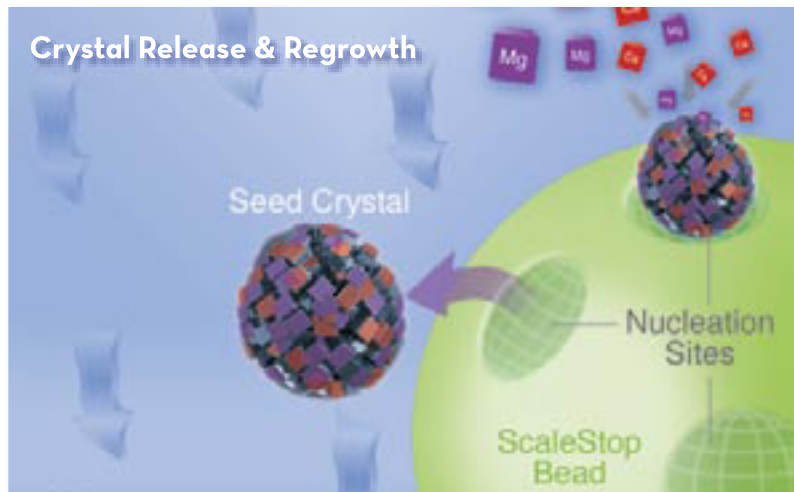
Tested by an independent laboratory against the international protocol for scale prevention, **ScaleStop** achieved a 99.6% effectiveness rating - the only technology to do so and far more effective than any other water softener alternative. Proven in over 6 years of successful use in homes and businesses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

#### Benefits

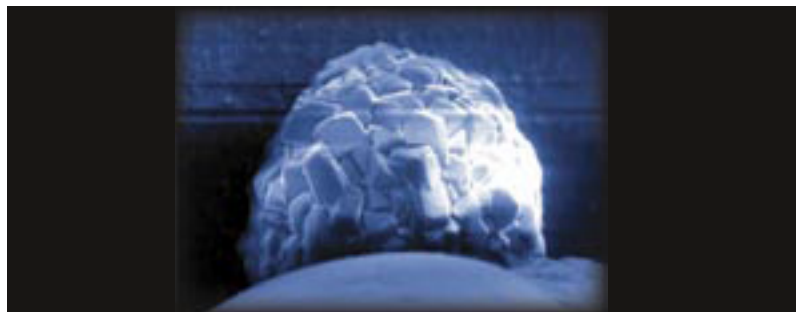
- Complete protection from scale throughout the house.
- No salt, chemicals or electricity required.
- Cleaner-whiter clothes, less soap usage.
- Long lasting media-not consumed by the reactions.
- Removes existing scale from pipes, water heaters, etc..
- Preserves beneficial mineral content.
- No slimy soft-water feel.
- Spot-Free glasses and dishes.



*Atomic sized nucleation sites on the surface of small ceramic-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.*

# ScaleStop Systems

System	Service Flow	Peak Flow
7x44	8 gpm	10 gpm
9x48	13 gpm	16 gpm
10x54	16 gpm	20 gpm
12x52	24 gpm	30 gpm
14x65	40 gpm	50 gpm
16x65	60 gpm	75 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
- Oil & Polyphosphates Remove prior to **ScaleStop**
- Iron, Mn H<sub>2</sub>S Must be removed prior to **ScaleStop**.

## Regulatory Approvals

The constituent ingredients of **ScaleStop** are listed in CFR21 as approved food ingredients. Listing of the **ScaleStop** media under NSF Standard 61 is in process.



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