

### ADVANTAGES

- 100% scale prevention for pipes and hardware
- 100% corrosion prevention
- Long Lifetime
- Highly efficient

### TECHNICAL DATA

- Surface: Nano Surface
- Matrix: Special Core
- Size: 0.4 – 0.7 mm
- Color: white
- Bulk Density: 43 lbs per cu. ft.

### CONDITIONS FOR OPERATION

- Media requirements:  
1 Liter/4gpm water flow
- Water PH Range: 7.0 to 11
- Temperature: up to 150 F
- Bed depth: min. 3.5"
- Upflow system, no backwash needed.
- Hydrogen sulfide pre-filtration is required
- Oil should not be present

NSF/ANSI Standard 61 compliant

### APPLICATIONS

- Pipes
- Pre-treatment for RO membranes
- Cooling Towers
- Boilers
- Beverage Industry
- Municipal Systems

Independently tested  
and found to meet or exceed  
NSF/ANSI Standard 61, Section 7

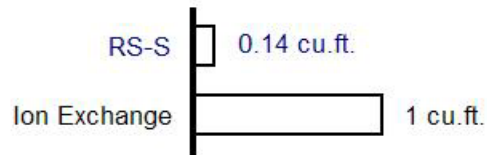
RS-S is based on nanotechnology. In this process atoms are placed in a special structure so that a template is created. The nanotechnology is so effective that it requires a contact time of only seconds.

The media is used in an upflow system, therefore only an in-out valve is needed. The media transforms the calcium ions into sub-micron sized calcium crystals that are carried along with the water flow. These crystals are visible only if viewed through a microscope. They are completely stable and resist destruction by heat. The crystals will not aggregate or attach to any surfaces. The result approaches the same effect as if the water was free of calcium hardness. The media can be used in systems that run continuously. There are no capacity constraints and regeneration is not necessary.

The media is used to protect pipes and hardware from scale and corrosion. It also has a large descaling effect on older systems. Tests with commercial coffee machines showed that those with RS-S protection were much cleaner after one year of use than the control systems which were cleaned monthly.

RS-S is very effective as pre-treatment for membrane filtration like reverse osmosis. It prevents the scaling of the membranes with calcium carbonate. RS-S has also been used successfully in de-scaling fouled membranes in as little as ten days.

Amount of media required for average residential system



Amount of water required to regenerate average system

