

APPLICATIONS
Residential

- Homes
- Condos & Apartments

Commercial

- Pipes and boilers
- Pre-treatment for RO membranes
- Cooling Towers
- Beverage Industry
- Municipal Systems
- Hotels

ADVANTAGES

- 100% scale removal for pipes and hardware
- Scale prevention
- Long Lifetime
- Highly efficient
- No salt brine required
- No chemicals required
- Effective in high water temperatures

TECHNICAL DATA

Surface: Ceramic
 Matrix: Polyacryl
 Size: 0.4 – 1.2 mm
 Color: light yellow
 Bulk Density: 50 lbs per cu. ft.

Filtersorb SP Scale Protect is a new filter media developed by CWG to first remove the already existing scale from pipes and heat exchanger surfaces (descaling effect) and further to protect the system from future formation of scale (scale protection effect).

Filtersorb SP is based on a completely new technology. In this process the chemical structure of scale forming minerals is changed. This technology is so effective that it requires a contact time of only seconds.

The media is used in an up flow system, therefore only an in-out valve is needed. The media transforms the dissolved calcium carbonate (temporary hardness) into non-charged, neutral chemical bonds.

These bonds are completely stable and cannot attach to any surfaces. The chemical bonds are rinsed away by the water flow. The size of the bonds is so small (in the range of nano-meters) that they can only be seen with a microscope. Therefore the effect is the same as if the water was free of temporary hardness (calcium carbonate). The chemical structures are heat resistant and do not fall apart.

The media is used to clean pipes from already existing scale and to protect pipes and hardware from scale.

Tests with commercial coffee machines showed that those with CWG Hardness Stabilizer protection were much cleaner after a short time of use than the control systems which were cleaned monthly.

Filtersorb SP works great in front of RO membranes. It keeps these membranes from clogging with calcium-carbonate. A preexisting membrane's efficiency is improved after only 10 days if calcium carbonate was the reason for the blocking.

SYSTEM DIMENSIONS	PEAK FLOW IN GPM	SERVICE FLOW IN GPM
8 x 35	9 gpm	7 gpm
9 x 35	11 gpm	9 gpm
10 x 54	15 gpm	13 gpm
13 x 54	26 gpm	22 gpm
16 x 65	44 gpm	40 gpm
21 x 60	75 gpm	66 gpm

CONDITIONS FOR OPERATION

Media Requirements: Contact Time 9 Seconds

Water pH Range: 6.0 to 9

Temperature: Up to 150° F

Bed depth: Minimum 3.5"

Hydrogen Sulfide Pre-Filtration Required

Oil and Grease Should Not Be Present

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