

# SCALESTICK™ WATER TREATMENT

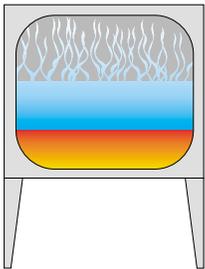
## FOOD SERVICE WATER TREATMENT

U.S. PATENT #5,580,448

Water quality plays an important role in the food service industry. Not only does water quality determine the taste and quality of all beverages served, it also determines the operating efficiency and longevity of water fed food service equipment.

As important as premium water is to a food service establishment's customers, so is the reduction in water related maintenance problems to the food service operator. Ice machines, steamers & combi-ovens, coffee, tea, & espresso machines, hot water dispensers, bread proofers, etc., are all susceptible to water related problems caused by sediment, hard water (lime scale deposits), corrosion and chlorine.

**STEAMERS & COMBI-OVENS** - Most equipment malfunctions associated with steamers & combi-ovens are water related. Poor water quality promotes the formation of scale deposits and increases the potential of corrosion occurring. Effective water filtration delivers the following benefits:



- \* Scale deposits are dramatically reduced decreasing harsh de-liming procedures.
- \* Scale-free level sensing probes function properly.
- \* Corrosion protection from scale deposits & chlorine prolonging equipment life.
- \* Reduced energy consumption & faster cook cycles saves time and money.

**ICE MAKING EQUIPMENT** - The most frequent water related problems associated with ice machines are lime scale deposits, evaporator pitting, bin corrosion, and suspended solids plugging distribution tubes and float valves. Ice is 100% water and as much as 70% of service calls on ice machines are water related. Water filtration solves the following:

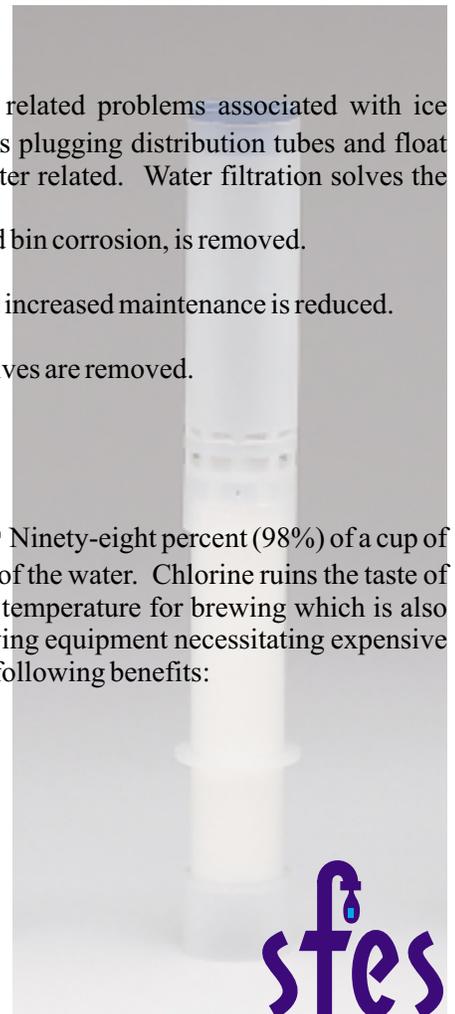


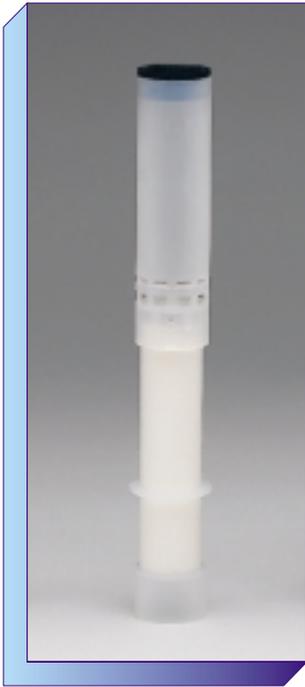
- \* Chlorine, responsible for evaporator and auger pitting and bin corrosion, is removed.
- \* Mineral scale build up responsible for clogged sumps and increased maintenance is reduced.
- \* Suspended solids that plug distribution tubes and float valves are removed.
- \* Energy efficiency and machine life are increased.

**COFFEE, TEA & ESPRESSO EQUIPMENT** - Ninety-eight percent (98%) of a cup of coffee is composed of water, so the quality of your coffee is most dependent on the quality of the water. Chlorine ruins the taste of coffee. Moreover, scale build-up on heating elements does not allow high enough water temperature for brewing which is also important for brewing a high quality coffee. Untreated water forms lime scale in the brewing equipment necessitating expensive descaling, and/or shortening the life of the unit. Providing high quality water produces the following benefits:



- \* Brewing equipment maintenance is reduced.
- \* Taste and aroma is enhanced.
- \* Mineral scale build up is inhibited.
- \* Equipment life is prolonged.





**HYDROBLEND™** is a unique composition blended to provide superior limescale (calcium carbonate) prevention and corrosion control in water fed equipment. The system feeds a controlled amount of specially blended scale control compounds into the water stream.\* These compounds were chosen because they provide the most effective treatment for the longest duration. The specially designed **ScaleStick™** releases **HydroBlend™** at a constant rate resulting in consistent scale prevention and corrosion control for predictable periods of time. **No electricity, maintenance, or guess work is required.** A simple glance at the clear housing lets one know when replacement is needed.

\* Not Performance Tested or Certified by NSF

Unlike standard scale control additives (polyphosphates), **HydroBlend™ is unaffected by high temperatures**, thus providing unparalleled treatment for water fed equipment including steamers, combi-ovens, coffee and espresso machines.

The **ScaleStick™** was specifically designed to fit most standard 10" pre-filter housings. This allows the **ScaleStick™** to be used in existing applications of water filtration systems.

**Carbon Block & Sediment Filtration** are available utilizing the same housing as the **ScaleStick™**. The special carbon block and sediment filters are designed to fit around the **ScaleStick™** allowing a combination of effective scale prevention, chlorine removal, & sediment filtration, all in one housing. These "filter wraps" are removable and allow for replacement as needed leaving in place the unspent **ScaleStick™**. The specially designed filter wrap allows the user to see the bottom of the **ScaleStick™** indicating when replacement is needed.



#### SCALESTICK™ SPECIFICATIONS

Water Flow Rate	.1-6 gpm*
Capacities:	
(ScaleStick™)	2-6,000 gal.**
(Carbon Wrap)	2,500 gal.
(10" Carbon Block)	9,000 gal.
(20" Carbon Block)	18,000 gal.
Max. Feed Pressure	125 psi
Max. Feed Temperature	100° F ***

\* Rated flow rate dependent on water usage characteristics & accompanying pre-filtration.

\*\* Capacity will vary depending on application. On flow rates less than 1 gpm, capacities may be reduced significantly. Consult your local distributor for estimated capacities.

\*\*\* If inlet feed water temperature is above 100° F, a hot water housing must be used (PF-10-EHT). Only a ScaleStick™ without a Sediment Filter wrap or Carbon Block Wrap can be used. Do not use filter wraps in hot water feed applications.



This SS-10 & SSW-10 are Tested and Certified By NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



### MODEL NUMBER

PF-10--SS Standard Filter Housing with ScaleStick™.  
 PF-10--SSW-SW ScaleStick™ w/ Sediment Filter Wrap.  
 PF-10--SSW-CW ScaleStick™ w/ Carbon Block Filter Wrap.

### DESCRIPTION

The PF-10-SS series utilizes a standard filter housing. Cut off valve required prior to unit for filter replacement. Available in 3/4", 1/2", and 3/8" inlet/outlet.

### APPLICATIONS

Low flow rate & volume applications (< 2 gpm). Individual steamer or combi-oven where usage is less than 6 hours per day. Coffee, espresso, & tea machines. Hot water dispensers, bread proofers, & ice machines under 400 lbs.

### MODEL NUMBER

PF-10-BP-SS Bypass Valve (BP) housing with ScaleStick™.  
 PF-10-BP-SSW-SW BP Housing, ScaleStick™ w/ Sediment Filter Wrap.  
 PF-10-BP-SSW-CW BP Housing, ScaleStick™ w/ Carbon Block Filter Wrap.

### DESCRIPTION

The PF-10-BP-SS series utilizes a special bypass valve-in-head feature which allows for uninterrupted water flow when maintenance is required. (3/4" inlet/outlet)

### APPLICATIONS

Low flow rate & volume applications (< 2 gpm). Individual steamer or combi-oven where usage is less than 6 hours per day. Coffee, espresso, & tea machines. Hot water dispensers, bread proofers, & ice machines under 400 lbs.



### MODEL NUMBER

FA-SS-SD-TW Twin ScaleStick™ System w/ Sediment Pre-filter.  
 FA-SS-CB-TW Twin ScaleStick™ System w/ Carbon Block Pre-filter.

### DESCRIPTION

Twin ScaleStick™ System comes complete with twin mounting bracket, (2) ball valves, & filter wrench. Pre-filtration flexibility and higher loading capacities.

### APPLICATIONS

Moderate flow rate & volume applications (1-4 gpm). Individual steamer or combi-oven where usage is 6 hours plus per day. Multiple coffee, espresso, & tea machines. Hot water dispensers, bread proofers, & ice machines under 800 lbs.



### MODEL NUMBER

FA-SS-SD-TW-20 Twin ScaleStick™ System w/ 20" Sediment Pre-filter.  
 FA-SS-CB-TW-20 Twin ScaleStick™ System w/ 20" Carbon Block.

### DESCRIPTION

Twin ScaleStick™ System comes complete with twin mounting bracket, (2) ball valves, & filter wrench. Pre-filtration flexibility and higher loading capacities.

### APPLICATIONS

High flow rate & volume applications (2-6 gpm). Multiple steamer or combi-oven where usage is 6 hours plus per day. Multiple coffee, espresso, & tea machines. Hot water dispensers, bread proofers, & ice machines under 1400 lbs.



# other **HYDROBLEND™** applications include:

