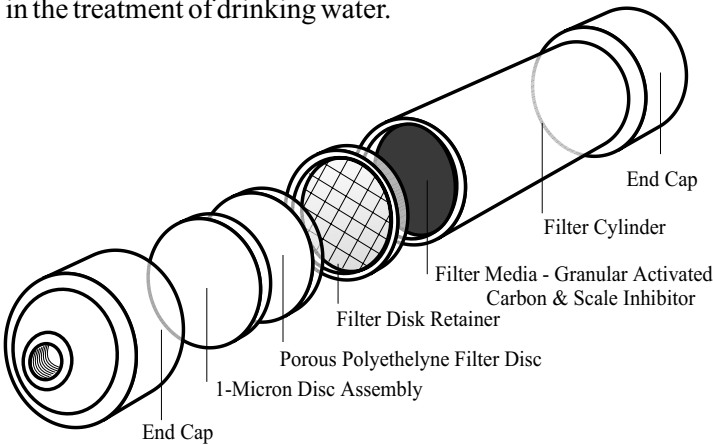


# MICROLENE™ IN-LINE WATER FILTERS

The SFES manifold filtration process is unique in design and application. These water filters use a medical quality high density, hydrophilically treated, porous polyethylene filter disc at both ends of the filter. The disc assembly will remove suspended particles as small as one micron, which is more than adequate for food service equipment. The one-micron disc has specifically been incorporated into our Microlene water filters because of its ability to remove particulates which may affect the operation of food service equipment. The unique design allows for omni-directional installation of the filters with uniform flow and back-flushing capabilities.

After passing through the first stage particulate filter, the pre-cleansed water then enters the filter body containing the active media. High quality, purification grade, granular activated carbon is used in all SFES GC Series products. The activated carbon adsorbs chlorine and other bad tastes and odors from the water source.

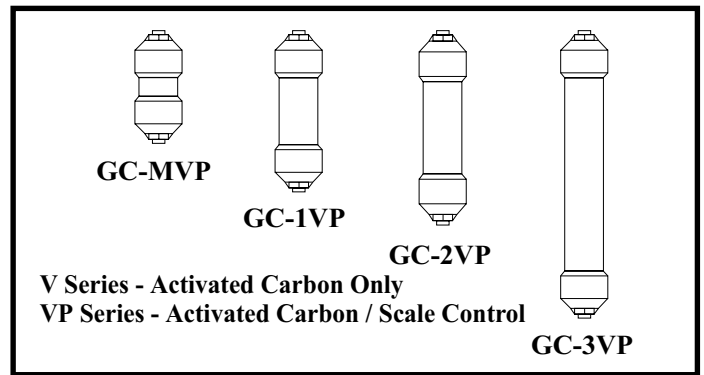
The VP-Series water filters contain a special scale inhibiting compound- a slow dissolving, food grade, hexametaphosphate crystal which is FDA approved for use in the treatment of drinking water.



The crystal has been specially formulated so that a skeletal structure remains while and after the phosphate has been released. This ensures a positive displacement in the media bed at all times.

The phosphate effectively controls corrosion by forming a thin protective film on all metallic surfaces. This film does not build up on itself and thus does not interfere with the heat transfer or water flow, and enhances energy efficiency. The formation of lime-scale (calcium) deposits are inhibited by the presence of the phosphate crystal in the water. In cold water applications, this special crystal inhibits lime scale by sequestering the scale causing minerals so that they cannot precipitate and form scale deposits on equipment parts. **For hot water or hard water applications, refer to SFES's line of HydroBlend™ ScaleStick™ products specially designed for steam and high-temp applications.**

All SFES systems come with pre-filter housing as shown to incorporate either standard sediment filter cartridges or the ScaleStick. A special 5 micron sediment wrap filter is also available for ScaleStick applications.



## IN-LINE FILTERS

Model Number	DIMENSION (L X D)	*Rated Service Cycle	Rated Service Flow Rate	Oper. Pressure Min. / Max.	Max. Oper. Temperature	Micron Rating	Contaminate Reduction		
							Chlorine	Class	Scale Control
GC-MV	6¼" x 2¾"	600 gal.	1.0 gpm	20 psi / 125 psi	100° F	1µ	✓	II	
GC-MVP	6¼" x 2¾"	600 gal.	1.0 gpm	20 psi / 125 psi	100° F	1µ	✓	II	
GC-1V	7½" x 2¾"	1,000 gal.	1.25 gpm	20 psi / 125 psi	100° F	1µ	✓	I	
GC-1VP	7½" x 2¾"	1,000 gal.	1.25 gpm	20 psi / 125 psi	100° F	1µ	✓	I	
GC-2V	9½" x 2¾"	1,500 gal.	1.50 gpm	20 psi / 125 psi	100° F	1µ	✓	II	
GC-2VP	9½" x 2¾"	1,500 gal.	1.50 gpm	20 psi / 125 psi	100° F	1µ	✓	II	✓
GC-3V	16½" x 2¾"	3,000 gal.	2.50 gpm	20 psi / 125 psi	100° F	1µ	✓	I	
GC-3VP	16½" x 2¾"	3,000 gal.	2.50 gpm	20 psi / 125 psi	100° F	1µ	✓	I	

SFES In-line water filters are available in quick disconnect, compression and flare fittings. Please specify connection type when ordering.

\* Rated service cycle for test purposes.

NOTE: In-line filter dimensions exclude fittings.

NSF INTERNATIONAL  
Standards for Drinking  
Water Treatment Units  
Standard No. 42  
Aesthetic Effects



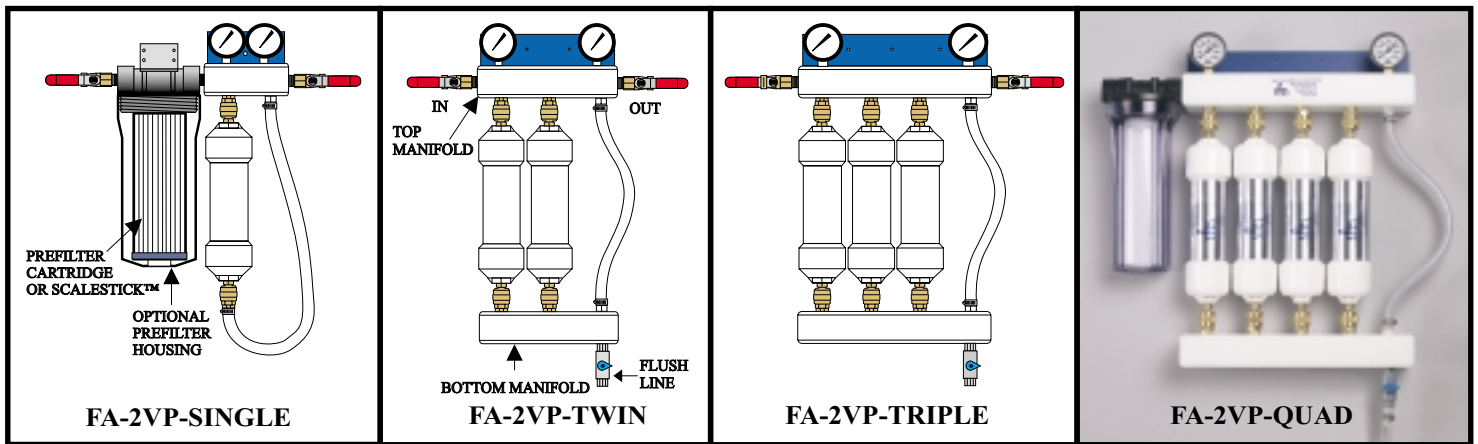
Taste & Odor Reduction,  
Chlorine Reduction,  
& Scale Control.

The GC-MV, GC-MVP, GC-1V, GC-1VP, GC-2V, GC-2VP, GC-3V, and GC-3VP have been tested and certified by NSF only for the functions listed above. The FA Manifold Systems are not certified. Check for compliance with state and local laws and regulations. Do not use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit.

# MICROLENE™ SYSTEM SPECIFICATIONS

Model Number	DIMENSION (W x H x D)	Max. Service Flow Rate	Oper. Pressure Min. / Max.	Max. Oper. Temperature	Micron Rating
FA-2VP SINGLE	10½" x 22" x 4½"	1.50 gpm	20 psi / 125 psi	100° F	1µ
FA-2VP TWIN	13½" x 22" x 4½"	3.00 gpm	20 psi / 125 psi	100° F	1µ
FA-2VP TRIPLE	16½" x 22" x 4½"	4.50 gpm	20 psi / 125 psi	100° F	1µ
FA-2VP QUAD	19½" x 22" x 4½"	6.00 gpm	20 psi / 125 psi	100° F	1µ
FA-3VP SINGLE	10½" x 29½" x 4½"	2.50 gpm	20 psi / 125 psi	100° F	1µ
FA-3VP TWIN	13½" x 29½" x 4½"	5.0 gpm	20 psi / 125 psi	100° F	1µ
FA-3VP TRIPLE	16½" x 29½" x 4½"	7.50 gpm	20 psi / 125 psi	100° F	1µ
FA-3VP QUAD	19½" x 29½" x 4½"	10.0 gpm	20 psi / 125 psi	100° F	1µ

\* System height is measured from top of filter system to bottom of flush valve. Width is measured from inlet ball valve to outlet ball valve. Width does not include the optional prefilter housing.



## APPLICATION GUIDELINES

<b>ICE MACHINES</b>	200 lb. Cube 250 lb. Flake	400 lb. Cube 550 lb. Flake	550 lb. Cube 650 lb. Flake	800 lb. Cube 1100 lb. Flake	1200 lb. Cube 1500 lb. Flake	1200+ lb.. Cube 1500+ lb. Flake
<b>COFFEE BREWERS</b>	Low Volume 12 Cup	Med. Volume Brewer	High Volume Brewer	Brewing up to 3.0 gpm	Brewing up to 4.5 gpm	Brewing up to 6.0 gpm
<b>POST MIX EQUIPMENT</b>			50 gal. syrup 10 bag in box	100 gal. syrup 20 bag in box	150 gal. syrup 30 bag in box	200 gal. syrup 40 bag in box
<b>FILTER SYSTEM</b>	<b>GC-1VP</b>	<b>GC-2VP</b>	<b>GC-3VP</b>	<b>FA-2VP-TWIN</b>	<b>FA-2VP-TRIPLE</b>	<b>FA-2VP-QUAD</b>

NOTE: These application guidelines are general estimates of correct system applications. These will vary widely in the field depending on the specific water requirements of different food service equipment. Please reference the individual equipment water requirements before applying filter systems.

Distributed By:

