

# 3M™ Water Filtration

SPEC# \_\_\_\_\_

QUANTITY \_\_\_\_\_

application: **SCALE INHIBITION**

model:

## SF18-S



3M™ Water Filtration Product Model SF18-S inhibits scale build-up and corrosion in high-temperature foodservice equipment, including coffee brewers, broiler-based steamers, proofers, warewashers and hot tea. A proportioning forced-feed-orifice delivers a carefully metered amount of a unique high-temperature scale inhibitor, sequestering the hardness minerals that form on boiler walls, sensors, brewer spray heads and heating coils. The media does not break down at temperatures at or above 200°F (93.3°C). The Sanitary Quick Change (SQC) replacement HF18-S cartridge makes change-outs fast and easy.

### PRODUCT BENEFITS

- A forced-feed orifice carefully controls and meters the addition of a proprietary scale inhibitor to reduce scale formation in high-temperature foodservice applications.
- Consistent performance at application temperatures over 200°F (93.3°C).
- FDA CFR-21 compliant materials.
- Stainless-steel head.
- 3/4" NPT female inlet and outlet ports allow direct or easily adaptable connections to existing plumbing lines.
- Sanitary Quick Change (SQC) replacement cartridge is fast and easy to change
- Exhausted cartridges may be incinerated.

### PRODUCT SPECIFICATIONS

Model Number	Part Number	Reduction Claims	Connections	Replacement Recommendation	Service Flow Rate	Replacement Cartridge
SF18-S	56077-03	Proportioning forced feed-orifice scale inhibition system	3/4" Horizontal NPT Inlet and Outlet	6 months or 70,000 gallons (265,000 liters)	Up to 6 gpm (22 lpm)	HF8-S 55821-06

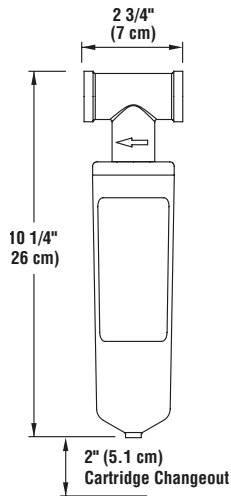


SPEC # \_\_\_\_\_

QUANTITY \_\_\_\_\_

MODEL NUMBER \_\_\_\_\_

PART NUMBER \_\_\_\_\_



### IMPORTANT: INSTALLATION TIPS

**CAUTION:** Read, understand, and follow all safety information contained in these instructions prior to installation and use of the SF-18-S Water Filtration System. Retain these instructions for future reference.

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- **Protect from freezing**, remove filter cartridge when temperatures are expected to drop below 40° F (4.4° C).
- **Do not** install if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi (551 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not** install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- **Do not** use a torch or other high temperature sources near filter system, cartridges, plastic fittings or plastic plumbing.
- **Do not** install in direct sunlight or outdoors without protection from precipitation.
- Ensure all tubing and fittings are secure and free of leaks.
- Mount filter in such a position as to prevent it from being struck by other items used in the area of installation.
- Ensure that the location and fasteners will support the weight of the system when installed.

### LIMITED WARRANTY

CUNO Incorporated warrants this Product to be free from defects in material and workmanship for five (5) years from the date of purchase. This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by CUNO or failure to follow installation and use instructions. If the Product is defective CUNO will replace the Product or refund your Product purchase price. CUNO will not be liable for any indirect, special, incidental, or consequential damages arising from the use of this Product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. To obtain warranty service, mail your request to Warranty Claims, CUNO Incorporated, 400 Research Parkway, Meriden, CT 06450. Proof of purchase (original sales receipt) must accompany the warranty claim, along with a complete description of the Product, model number and alleged defect. This warranty gives you specific legal rights and you may have other rights which vary from state to state, or country to country.

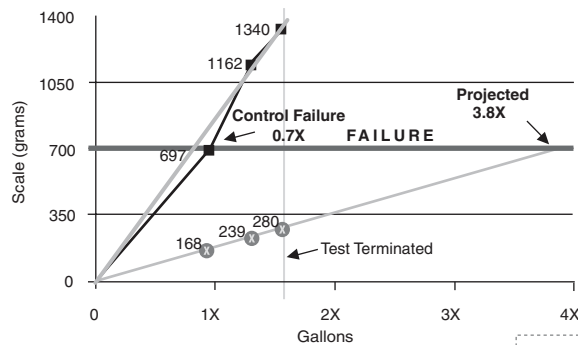
### PHYSICAL SPECIFICATIONS

- A forced-feed orifice carefully controls and meters the addition of high-temperature scale inhibitor.
- All materials are FDA CFA Title 21 compliant.
- Maximum operating pressure - 90 psi (620.5 kPa); maximum operating temperature of incoming water - 100° F (38° C)
- Head - 316 stainless steel
- Sump - Sanitary Quick Change
- Inlet and outlet connections - 3/4 in NPT, female
- Weight (box of 6) - 14 lbs (6.4 kg)
- Dimensions (box of 6) - 15in x 8in x 8in (20.3cm x 20.3cm x 38.1cm)

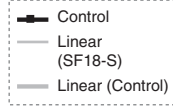
**WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. EPA Establishment #070595-CT-001

CUNO Incorporated recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised/sold. **Change the filter cartridge at least every 12 months or 70,000 gals (265,000 liters).** CUNO shall not be liable for system failures due to improper maintenance.

### THROUGHPUT VS SCALE FORMATION



Actual field-tested from a commercial coffee brewer in 25-grain incoming hard water. The control in this side-by-side test received no treatment. CUNO SF18-S scale inhibitor was added to the feed water in the treated brewer.



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