

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

application:

**ICED TEA & ESPRESSO
EQUIPMENT**

model:

CFS5400

The 3M™ Water Filtration Products CFS5400 water treatment systems are designed to improve beverage clarity, increase holding times, and maintain efficient brewing machine operations. High capacity sodium ion exchange resin reduces hard scale that causes cloudy tea. The “softened” water can increase holding times and reduce product waste. Reduction of hard scale also helps keep brewing equipment running smoothly. Optional blending allows mineral bypass for improved beverage quality.

PRODUCT BENEFITS

- 1" NPT Port.
- Heavy-duty polypropylene construction provides protection against water hammer that can eventually add stress and cause leaks.
- Built-in pressure relief button relieves pressure inside the filter for convenient cartridge changes.
- The CFS5400 allows for 25% blending of raw water with softened for Recipe Quality Water™ and extended capacity.
- NSF and/or FDA CFR-21 compliant materials.
- Standard with mounting bracket.



PRODUCT SPECIFICATIONS

Model Number	Part Number	Resin Type	Micron Rating	Capacity	System Flow Rate	Application	Replacement Cartridge	Sizing
CFS5400 with 25% blending	56067-02	Cation Exchange	N/A	5,250 Grains	0.75 gpm (2.8 lpm)	Up to 20 Grains Hardness	CFS5400C	See Formula*
CFS5400N	56067-03			4,200 Grains				

To determine sizing:

Divide the grain capacity of the system by the incoming water hardness to determine gallons (liters) of water treated.

Example:

$$\frac{\text{System Capacity}}{\text{Incoming Hardness}} = \text{Gallons Treated}$$

Incoming hardness @ 15 grains/gallon
System capacity @ 5,250 grains
Gallons (liters) treated = 350 gal. (1,325 lit.)



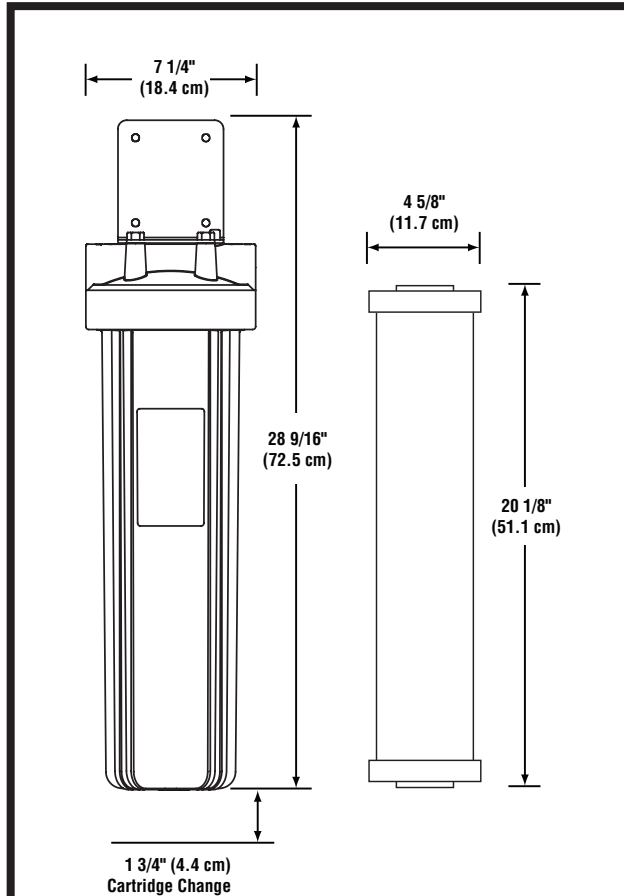
CFS5400

SPEC# _____

QUANTITY _____

MODEL NUMBER _____

PART NUMBER _____



⚠ WARNING: To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CUNO Incorporated recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised/sold. CUNO shall not be liable for system failures due to improper maintenance.

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.

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PHYSICAL SPECIFICATIONS

- System is a single vessel design.
- System inlet and outlet ports are 1" NPT.
- System reduces carbonate hardness through the use of ion exchange resin.
- Resin has no color throw in the effluent water.
- System maximum operating pressure of 100 psi (689 kPa) and operating temperatures of 100°F (37.8°C).
- System incorporates optional integrated bypass.
- Each system has a service flow rate of 0.75 gpm (2.8 lpm).
- System materials are FDA CFR-21 and/or NSF compliant.
- Cartridge is removable and disposable.

IMPORTANT: INSTALLATION TIPS

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions. CAUTION: To reduce the risk associated with property damage due to water leakage:

- **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 on hot water supply lines.** The maximum operating water temperature of this filter system is 100°F (37.8°C).
- **Do not install** if water pressure exceeds 100 psi (689 kPa). If your water pressure exceeds 80 psi (552 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.
- The disposable filter cartridge **MUST** be replaced every 12 months, at the rated capacity or if a noticeable reduction in flow rate occurs.

