

# 3M™ Water Filtration Products

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

QUANTITY \_\_\_\_\_

application: **POINT-OF-USE WATER SOFTENING**

model:

## CFS100WS



The 3M™ Water Filtration Products CFS100WS Water Softener System is designed to reduce maintenance and increase energy efficiency in water-using foodservice equipment by reducing hardness in water. High capacity cation ion exchange resin reduces hardness that can coat heating elements and form scale in the water storage area. This softened water can reduce equipment cleaning times and maximize efficiency of cleaning agents.

### PRODUCT BENEFITS

- Control valve is designed for reliable service.
- Safety brine valve prevents messy overflow of salt brine.
- Salt support shelf allows the use of most types of water softener salt and reduces salt bridging and mushing that can interfere with regeneration.
- Operates on 120V/60Hz. 220V/50Hz is available upon request.

### PRODUCT SPECIFICATIONS

| Model Number | Part Number | Resin Volume<br>Cu. Ft. (Lit.) | System<br>Flow Rate | Peak<br>Flow Rate   | Maximum Capacity | Inlet/Outlet<br>Pipe Size | Drain Line        |
|--------------|-------------|--------------------------------|---------------------|---------------------|------------------|---------------------------|-------------------|
| CFS100WS     | 56000-02    | 1 (28.3)                       | 7 gpm<br>(26.5 lpm) | 9 gpm<br>(34.1 lpm) | 30,000 Grains    | 1" NPT                    | 5/8" OD x 1/2" ID |



# CFS100WS WATER SOFTENER

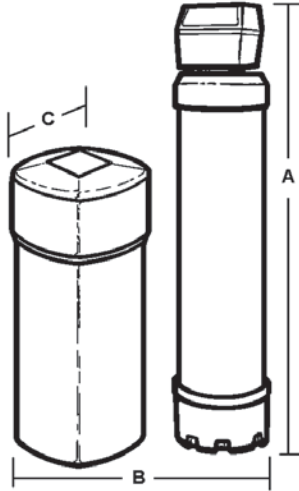
# 3M™ Water Filtration Products

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

QUANTITY \_\_\_\_\_

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

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



| CFS100WS      |                     |
|---------------|---------------------|
| A<br>(Height) | 51 in.<br>(130 cm)  |
| B<br>(Width)  | 33 in.<br>(83.8 cm) |
| C<br>(Depth)  | 15 in.<br>(38.1 cm) |

NOTE: The width (B) includes 10 in. (25.4 cm) between the brine tank and the media tank to allow for servicing.

## SPECIFICATIONS

### System:

- Holds 160 lbs. (72.6 kg) of salt.
- Maximum operating pressure of 125 psi (862 kPa) and operating temperature of 110°F (43.3°C).

### Control Valve:

- Composite thermoplastic construction.
- Connects to resin tank with 2 1/2" x 8 threads.
- Time clock regeneration.
- Integrated bypass.

### Resin Tank:

- Wound fiberglass outer layer.
- Semi-transparent
- Turbulator Distributor

### Brine Tank:

- High density polyethylene.
- Includes safety brine valve.
- Includes air check assembly.

## 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**, depressurize and drain system when temperatures are expected to drop below 33°F (0.6°C).
- **Do not install on hot water supply lines.** The maximum operating water temperature of this filter system is 110°F (43.3°C).
- **Do not install** if water pressure exceeds 125 psi (862 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.

### ⚠ 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.**

3M Purification Inc. recommends regularly scheduled maintenance in order for the product to perform as advertised/sold. 3M Purification Inc. shall not be liable for system failures due to improper maintenance.

## LIMITED WARRANTY

3M Purification Inc. warrants this Product will be free from defects in material and manufacture 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 3M Purification Inc. or failure to follow installation and use instructions. No warranty is given as to the service life of any media as it will vary with local water conditions and water consumption. **3M PURIFICATION INC. MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE.** If the Product fails to satisfy this Limited Warranty during the warranty period, 3M Purification Inc. will replace the Product or refund your Product purchase price. This warranty does not cover labor. **The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation. For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction Manual.**

**Limitation of Liability.** 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



3M Purification Inc.  
400 Research Parkway  
Meriden, CT 06450 U.S.A.  
Toll Free: 1.866.990.9785  
Worldwide: 203.237.5541  
Fax: 203.238.8701  
www.3Mfoodservice.com  
www.3Mpurification.com

3M is a trademark of 3M Company.  
© 2012 3M Company. All rights reserved.  
70-0201-9383-8  
REV 0212