

## 3M HF60-CLXS

# 3M High Flow Series Filter Cartridge HF60-CLXS Instruction Manual

Model: HF60-CLXS

## 1. PRODUCT OVERVIEW

The 3M High Flow Chloramine Replacement Cartridge is designed to provide consistent quality water by reducing particulate, chloramine, and chlorine taste and odor. This helps prevent abrasion and extends the life of pumps, seals, o-rings, and valves, while also improving the taste of beverages. The reduction of chloramine is important as it can be corrosive and potentially damage water-using equipment such as steamers, combi-ovens, coffee and tea brewers, and espresso machines.

This cartridge features a Sanitary Quick Change (SQC) encapsulated design, which facilitates fast and easy cartridge change-outs without the need for a filter wrench.



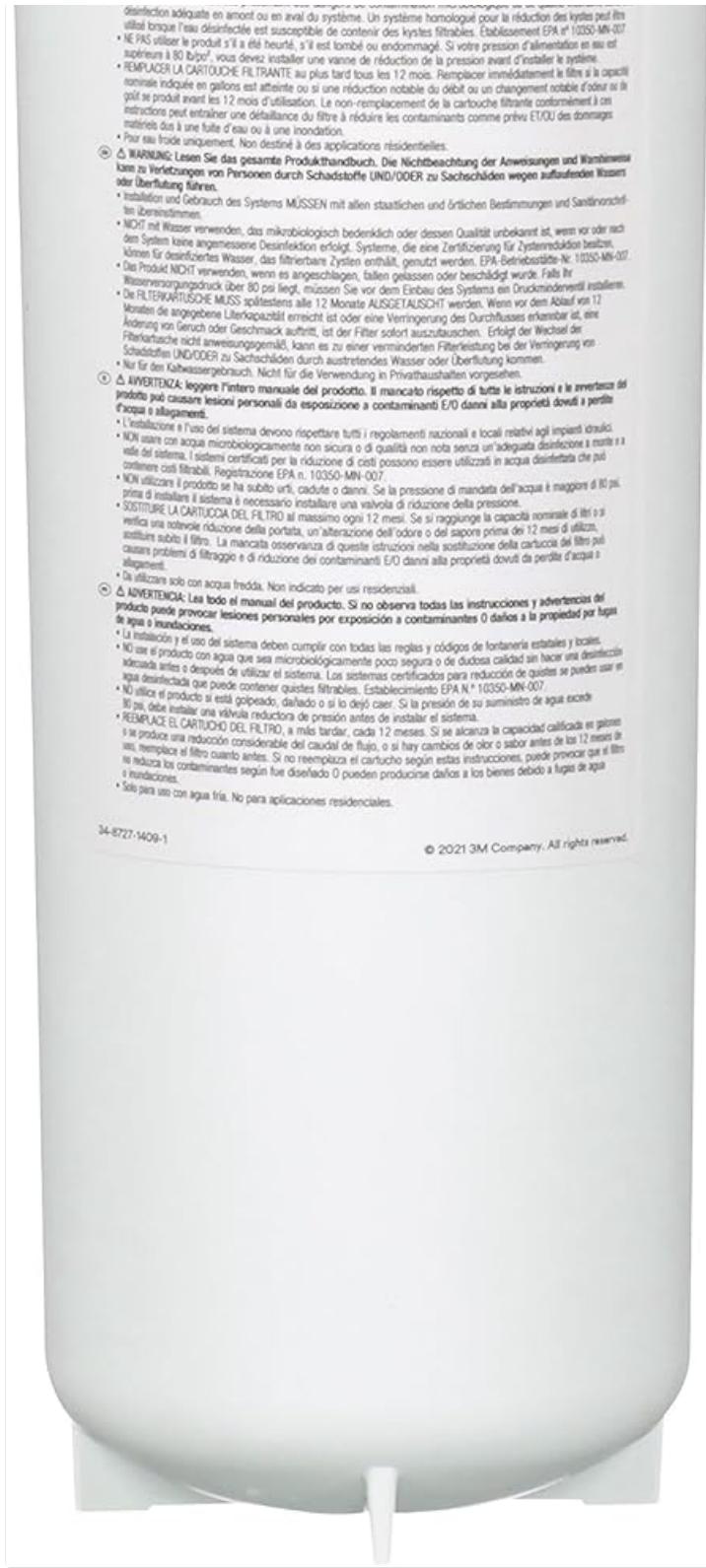


Image 1.1: Front view of the 3M HF60-CLXS filter cartridge, highlighting the model number and key performance data.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your 3M High Flow Series Filter Cartridge. This cartridge is designed for use with compatible 3M High Flow Series filter systems.

- 1. Preparation:** Ensure the water supply to the filter system is turned off. If applicable, relieve pressure from the system by opening a downstream faucet.
- 2. Remove Old Cartridge:** For Sanitary Quick Change (SQC) systems, twist the old cartridge counter-clockwise approximately a quarter turn until it disengages from the filter head. Pull the cartridge straight

down to remove it.

- 3. Prepare New Cartridge:** Remove the new HF60-CLXS cartridge from its packaging. Ensure the O-rings are properly seated on the cartridge stem.
- 4. Install New Cartridge:** Align the new cartridge with the filter head. Push the cartridge straight up into the head and twist clockwise approximately a quarter turn until it locks securely into place. You may feel a slight resistance as the O-rings seal.
- 5. Restore Water Supply:** Slowly turn on the water supply to the filter system. Check for any leaks around the filter head and cartridge connection.
- 6. Flush System:** Open a downstream faucet and allow water to run for approximately 5 minutes to flush air and any carbon fines from the system. The water may appear cloudy initially; this is normal. Continue flushing until the water runs clear.

After flushing, the system is ready for use. Regularly check for leaks during the first 24 hours after installation.

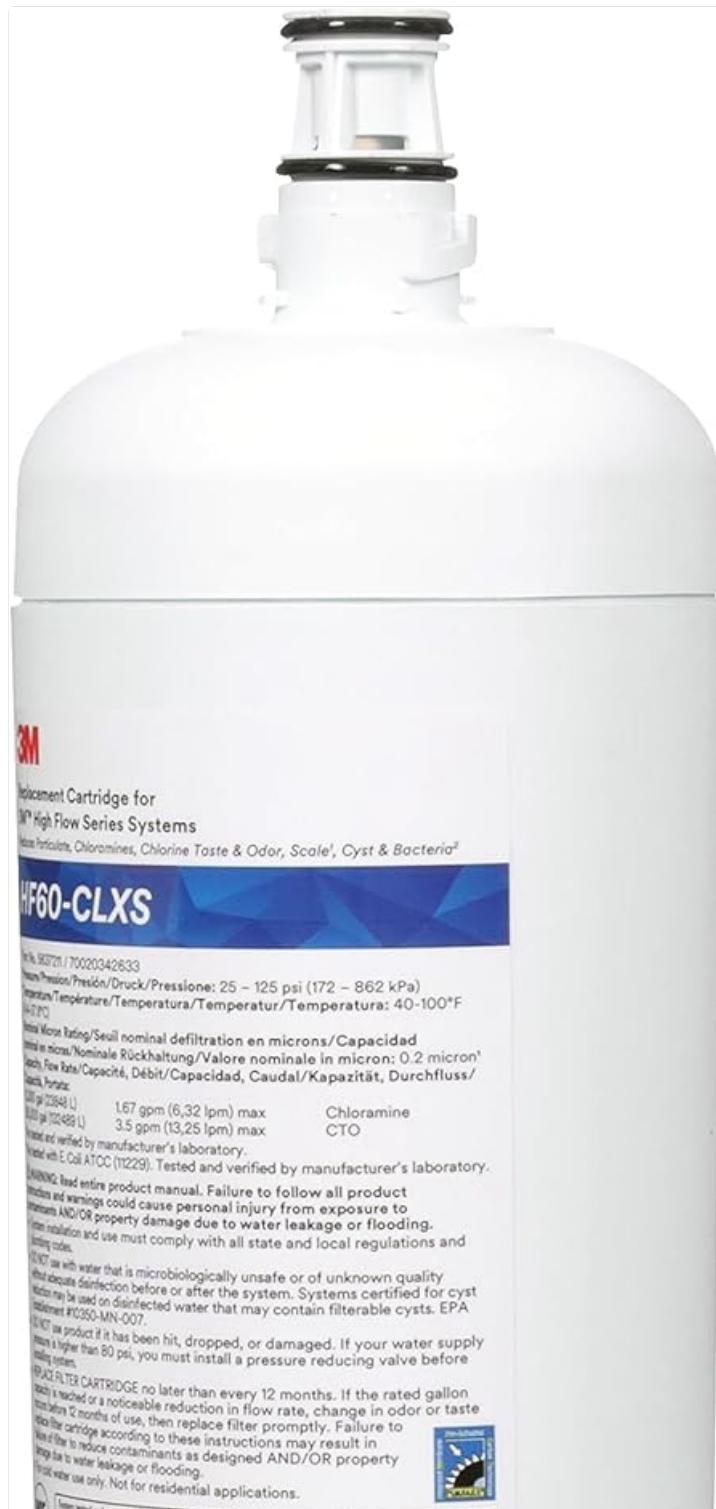




Image 2.1: Side view of the 3M HF60-CLXS filter cartridge, illustrating the design for quick change installation.

### 3. OPERATING INSTRUCTIONS

Once installed, the 3M High Flow Series Filter Cartridge HF60-CLXS operates continuously to filter your water supply. No user interaction is required during normal operation.

- **Flow Rate:** The cartridge is designed to operate at a maximum flow rate of 3.5 gallons per minute (13.25 liters per minute).
- **Pressure Range:** The system should operate within a pressure range of 25 - 125 psi (172 - 862 kPa).
- **Temperature Range:** The recommended operating temperature for the water is 40 - 100°F (4.4 - 37.8°C).
- **Filtration:** The 0.2 micron filter effectively reduces chloramine, chlorine taste and odor, microbial cysts, and bacteria.

Ensure that the water supply to the filter system is always within the specified operating parameters to maintain optimal performance and prevent damage.

### 4. MAINTENANCE

Regular replacement of the filter cartridge is essential to maintain water quality and system performance.

- **Replacement Schedule:** The HF60-CLXS filter cartridge must be replaced no later than every 12 months. Replacement is also necessary if the rated gallon capacity of 35,000 gallons has been reached, or if a noticeable drop in flow rate occurs, whichever comes first.
- **Replacement Procedure:** Follow the steps outlined in the "Setup and Installation" section (Section 2) to replace the old cartridge with a new one. Always remember to turn off the water supply and relieve pressure before attempting to change the cartridge.

- **System Flushing:** After each cartridge replacement, flush the system as described in the installation steps to ensure proper operation and remove any air or carbon fines.

Failure to replace the filter cartridge as recommended may lead to reduced filtration effectiveness, decreased flow, or potential system damage.





Image 4.1: Back view of the 3M HF60-CLXS filter cartridge, displaying important warnings and NSF certification details.

## 5. TROUBLESHOOTING

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If you experience issues with your 3M High Flow Series Filter Cartridge, refer to the following common troubleshooting steps:

- **Reduced Water Flow:**

- **Clogged Filter:** The most common cause. If the cartridge is near its recommended replacement interval (12 months or 35,000 gallons), or if water quality has been poor, it may be time for a replacement.
- **Low Water Pressure:** Check the main water supply pressure to your system.
- **Kinked Lines:** Inspect the water lines leading to and from the filter system for any kinks or obstructions.

- **Leaks Around Filter Head:**

- **Improper Installation:** Ensure the cartridge is fully seated and twisted clockwise until it locks securely into the filter head.
- **Damaged O-rings:** Inspect the O-rings on the cartridge stem for any nicks or damage. If damaged, replace the cartridge.
- **Cracked Filter Head:** In rare cases, the filter head itself might be cracked. If this is suspected, contact support.

- **Unpleasant Taste or Odor in Water:**

- **Exhausted Filter:** The filter's capacity to reduce taste and odor may be exhausted. Replace the cartridge.
- **Incomplete Flushing:** Ensure the system was adequately flushed after installation or replacement to remove any carbon fines.

- **No Water Flow:**

- **Water Supply Off:** Verify that the main water supply to the system is turned on.
- **Cartridge Not Seated:** Ensure the cartridge is correctly installed and locked into the filter head.

If these steps do not resolve the issue, please contact 3M customer support.

## 6. SPECIFICATIONS

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Specification	Detail
Model Number	HF60-CLXS
Part Number	5637211
Material	Polypropylene (PP)
Product Dimensions (D x W x H)	4.44"D x 4.44"W x 15.63"H
Item Weight	4.41 pounds
Filtration Rating	0.2 micron
Rated Capacity	35,000 gallons
Maximum Flow Rate	3.5 gpm (13.25 lpm)
Operating Pressure Range	25 - 125 psi (172 - 862 kPa)
Operating Temperature Range	40 - 100°F (4.4 - 37.8°C)
Product Benefits	Reduces Chloramine, Reduces Chlorine, Reduces Microbial Cysts, Removes Bacteria
External Testing Certification	NSF
Included Components	HF60-CLXS Cartridge
Color	White

## 7. SUPPORT INFORMATION

For technical assistance, product inquiries, or warranty information, please contact 3M Purification directly.

- **Phone:** 1-800-992-0559
- **Website:** [www.3Mpurification.com](http://www.3Mpurification.com)

Please have your product model number (HF60-CLXS) and any relevant purchase information available when contacting support.