

3M FM-1500

3M Water Factory System FM-1500 05-61002 Drinking Water System Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the 3M Water Factory System FM-1500 05-61002 Drinking Water System. Please read this manual thoroughly before attempting to install or operate the system. Retain this manual for future reference.

The 3M Water Factory System FM-1500 is designed to provide cleaner, better-tasting water by reducing lead, sediment, asbestos, cysts, and chlorine. It features a sanitary quick-change design for ease of use.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

- Always follow local plumbing codes and regulations during installation.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Ensure all connections are secure to prevent leaks.
- Do not expose the system to freezing temperatures.
- Use only genuine 3M replacement filters to ensure proper performance and to avoid voiding the warranty.

3. SETUP AND INSTALLATION

The 3M Water Factory System FM-1500 is an under-sink drinking water system. Professional installation is recommended. Ensure adequate space is available under the sink for the unit, which measures approximately 18.25 x 3.5 x 3.5 inches.

3.1 Components Included

- DRINKING WATER FILTRATION SYSTEM (main unit)

- Installation hardware (may vary, refer to packaging)

3.2 Installation Steps (General Guidelines)

1. **Turn off water supply:** Locate and turn off the cold water supply valve under the sink.
2. **Install faucet (if applicable):** If a dedicated faucet is included, install it according to its specific instructions.
3. **Mount the filter head:** Securely mount the filter head assembly to the cabinet wall under the sink using appropriate fasteners.
4. **Connect water lines:** Connect the cold water supply line to the inlet of the filter head and the filtered water line to the faucet. Ensure all connections are tight.
5. **Insert filter cartridge:** Align the filter cartridge with the filter head and twist until it locks into place. The sanitary quick-change design allows for easy, mess-free replacement.
6. **Flush the system:** Slowly turn on the cold water supply. Open the filtered water faucet and allow water to run for several minutes (e.g., 5-10 minutes) to flush out air and carbon fines.
7. **Check for leaks:** Inspect all connections for any signs of leaks.



An image showing the 3M Water Factory System FM-1500 05-61002 drinking water filter cartridge. The white cylindrical filter has a label detailing specifications like flow rate, pressure, capacity, and maximum temperature. The top features a quick-change mechanism for easy installation.

4. OPERATING INSTRUCTIONS

Once installed and flushed, the 3M Water Factory System FM-1500 operates automatically when the filtered water faucet is opened. For optimal performance, adhere to the following guidelines:

- **Initial Use:** After installation or filter replacement, run water through the system for 5-10 minutes to ensure proper flushing.
- **Daily Use:** Use the dedicated filtered water faucet for drinking and cooking.
- **Flow Rate:** The system is designed for a flow rate of 1.5 gallons per minute (GPM).
- **Pressure:** Operate within a pressure range of 25-125 PSI (172-862 kPa).
- **Temperature:** The maximum operating temperature is 100°F (38°C). Do not use with hot water.

5. MAINTENANCE

Regular maintenance ensures the continued performance and longevity of your 3M Water Factory System FM-1500.

5.1 Filter Cartridge Replacement

The filter cartridge has a capacity of 1,500 gallons (5,678 liters) or should be replaced every 6 months, whichever comes first. Replacement is crucial for maintaining water quality.

1. **Turn off water supply:** Turn off the cold water supply to the system.
2. **Depressurize:** Open the filtered water faucet to relieve pressure.
3. **Remove old cartridge:** Twist the old filter cartridge counter-clockwise to unlock and remove it. The sanitary quick-change design minimizes contact with used filter media.
4. **Install new cartridge:** Remove protective covers from the new 3M replacement cartridge. Align the new cartridge with the filter head and twist clockwise until it locks securely into place.
5. **Restore water supply:** Slowly turn on the cold water supply.
6. **Flush the system:** Open the filtered water faucet and run water for 5-10 minutes to flush the new filter.
7. **Check for leaks:** Inspect for any leaks around the new cartridge.

5.2 Cleaning

Periodically wipe down the exterior of the system with a clean, damp cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your drinking water system.

- **Low Water Flow:**
 - Check if the cold water supply valve is fully open.
 - The filter cartridge may be clogged or at the end of its service life. Replace the filter.
 - Ensure there are no kinks in the water lines.
- **Unusual Taste or Odor:**

- The filter cartridge may need replacement.
- Ensure the system was properly flushed after installation or filter change.

- **Leaks:**

- Turn off the water supply immediately.
- Check all connections for tightness.
- Ensure the filter cartridge is correctly seated and locked into the filter head.

If problems persist after following these steps, contact 3M customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	3M
Model Number	FM-1500 (05-61002)
Part Number	70020022946
Product Dimensions	18.25 x 3.5 x 3.5 inches
Item Weight	15 pounds
Flow Rate	1.5 GPM (gallons per minute)
Pressure Range	25-125 PSI (172-862 kPa)
Capacity	1,500 gallons (5,678 liters) or 6 months
Max Temperature	100°F (38°C)
Special Features	FM certified
Included Components	DRINKING WATER FILTRATION SYSTEM
Product Benefits	Reduces lead, sediment, asbestos, cysts, and chlorine
UPC	016145076121

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official 3M website. You can also visit the [3M Store on Amazon](#) for additional resources.