

Aqua-Pure IL-IM-01

Aqua-Pure IL-IM-01 In-Line Water Filtration System User Manual

Model: IL-IM-01

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Aqua-Pure IL-IM-01 In-Line Water Filtration System. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Aqua-Pure IL-IM-01 is designed to reduce sediment, chlorine taste, and odor from your drinking water and ice cubes. It is an ideal solution for refrigerators without built-in filters, drinking fountains, ice makers, coffee machines, and drink dispensers.

2. SAFETY INFORMATION

WARNING: Read entire manual. Failure to follow all instructions could result in property damage, injury, or death. Consult local plumbing codes. You may be required to obtain a permit.

- Do not exceed the maximum rated pressure of 125 psi (862 kPa).
- Do not install in areas exposed to freezing temperatures.
- Ensure all connections are secure to prevent leaks.
- For cold water use only.
- Replace the filter cartridge every 6 months or sooner if flow rate diminishes significantly.

3. PRODUCT OVERVIEW

The Aqua-Pure IL-IM-01 In-Line Water Filtration System is a compact and efficient solution for improving water quality. It is designed for easy integration into existing water lines.



3M

Aqua-Pure™

IL-IM-0

Date Installed

Date

Reduces Sediment*, Chlorine Taste

RATING: 5 Micron

PRESSURE: 25-125 psi (172-862 kPa) TEMP: 40-140°F



System tested and certified by NSF International
to NSF/ANSI Standard 42 and Standard 55
claims specified on the Performance Chart

WARNING: Read entire manual. Failure to follow instructions may cause personal injury or property damage. Check with your local plumbing department for plumbing codes. You must follow the manufacturer's Water Filtration system. Your Water Filtration system will not reduce per square inch (psi) water pressure. If your system will not reduce 80 psi, install a pressure reducing valve before installing the system. To reduce the risk associated with ingestion of contaminated water that is microbiologically unsafe or of unknown safety, disinfect water before or after the system.

NOTICE: To reduce the risk associated with water leakage, follow Use Instructions before installation and use of the disposable filter cartridge at the recommended intervals. The disposable filter cartridge MUST be replaced every 6 months or sooner if the disposable filter cartridge at recommended intervals causes performance and failure of the filter, causing property damage, leakage or flooding.

* As tested and certified

Contact your distributor for replacement cartridge information. 3M and Aqua-Pure are trademarks of 3M Company.

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Figure 3.1: Aqua-Pure IL-IM-01 In-Line Water Filter Cartridge. This image shows the cylindrical filter with the 3M Aqua-Pure branding and product information label.

Key Features:

- Reduces sediment and chlorine taste and odor for clearer and cleaner drinking water, as well as ice cubes.
- Inline design is ideal for refrigerators, drinking fountains, ice makers, coffee machines and drink dispensers.
- Rated at 5 micron* to help provide sediment reduction as well as chlorine taste and odor reduction for up to 2,500 gallons/9,465 liters at 0.5 gpm/1.89 lpm.
- System is NSF/ANSI Standard 42 listed.

4. INSTALLATION AND SETUP

4.1 Tools and Materials Required:

- Adjustable wrench
- Pipe cutter or utility knife (for plastic tubing)
- Teflon tape
- Bucket or towel for water spills
- Mounting screws (if mounting bracket is used)

4.2 Installation Steps:

1. **Turn off Water Supply:** Locate the main water shut-off valve to the appliance (e.g., refrigerator, ice maker) and turn it off.
2. **Relieve Pressure:** Open the water dispenser or run the ice maker cycle to relieve any remaining water pressure in the line.
3. **Cut Water Line:** Determine the desired location for the filter. Ensure there is enough space for the filter and easy access for future replacement. Cut the existing water line at the chosen point. Ensure the cut is clean and straight.
4. **Connect Filter:**
 - Apply Teflon tape to the threaded fittings of the filter if they are not quick-connect.
 - Connect one end of the cut water line to the "IN" side of the filter and the other end to the "OUT" side. Ensure the flow arrow on the filter points in the direction of water flow towards the appliance.
 - Tighten connections securely, but do not overtighten.
5. **Mount Filter (Optional):** If desired, secure the filter using mounting clips or brackets (not included) to a stable surface, ensuring it is vertical and easily accessible.
6. **Flush Filter:**
 - Place the open end of the water line (after the filter, before the appliance) into a bucket.
 - Slowly turn on the main water supply.
 - Allow water to flow through the filter and into the bucket for approximately 5 minutes to flush out any carbon fines and air. The water may appear cloudy initially.
 - Turn off the water supply again.
7. **Final Connection:** Connect the flushed water line to your appliance.
8. **Check for Leaks:** Slowly turn on the main water supply and carefully inspect all connections for leaks. Tighten any leaking connections.

9. **Date Installation:** Write the installation date on the filter label for future reference.

5. OPERATION

Once installed, the Aqua-Pure IL-IM-01 operates automatically, filtering water as it passes through the system to your appliance. No user interaction is required for daily operation.



Figure 5.1: Example of filtered water usage. The filter provides clean water for various applications, such as drinking from a water dispenser.

Initial Use:

After installation and flushing, the water from your appliance should be clear and free of any initial carbon taste. If you notice any cloudiness or unusual taste, flush the system for an additional 2-3 minutes.

6. MAINTENANCE

The primary maintenance for the Aqua-Pure IL-IM-01 system is the periodic replacement of the filter cartridge.

6.1 Filter Replacement:

It is recommended to replace the filter cartridge every **6 months** or sooner if you observe a noticeable drop in water flow or a return of chlorine taste and odor.

1. **Turn off Water Supply:** Turn off the main water supply to the filter.
2. **Relieve Pressure:** Open the water dispenser or run the ice maker cycle to relieve pressure.
3. **Disconnect Old Filter:** Place a bucket or towel underneath the filter to catch any residual water. Disconnect the water lines from both ends of the old filter.
4. **Install New Filter:** Follow steps 4.2.4 through 4.2.9 from the "Installation and Setup" section to install the new filter.

cartridge.

5. **Dispose of Old Filter:** Dispose of the old filter cartridge according to local regulations.

7. TROUBLESHOOTING

Table 7.1: Troubleshooting Guide

Problem	Possible Cause	Solution
Low Water Flow	• Clogged filter cartridge • Kinked water line • Low incoming water pressure	• Replace filter cartridge • Straighten water line • Check household water pressure
Chlorine Taste/Odor Returns	• Filter cartridge exhausted	• Replace filter cartridge
Water Leaks at Connections	• Loose connections • Improperly applied Teflon tape • Damaged O-rings/fittings	• Tighten connections • Reapply Teflon tape • Inspect and replace damaged parts
Cloudy Water After Installation	• Air in the system • Carbon fines from new filter	• Flush system for an additional 5-10 minutes

8. SPECIFICATIONS

Table 8.1: Product Specifications

Attribute	Value
Model Number	IL-IM-01
Brand	Aqua-Pure (by 3M)
Filtration Rating	5 Micron
Flow Rate	0.5 gpm (1.89 lpm)
Capacity	2,500 gallons (9,465 liters)
Operating Pressure	25-125 psi (172-862 kPa)
Product Dimensions	2"D x 2"W x 10.25"H
Item Weight	0.7 Pounds (11.2 ounces)
Material	Polypropylene (PP)
Certifications	NSF/ANSI Standard 42

Attribute	Value
Included Components	Inline Water Filter

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact 3M Aqua-Pure directly. Refer to the product packaging or the official 3M Aqua-Pure website for the most current contact details.

Manufacturer: 3M

Contact Information: Please visit www.3m.com/aquapure or refer to the contact details provided on the product packaging for support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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