VEVOR YMT003

VEVOR Whole House Water Filter System

Model: YMT003 - Instruction Manual

1. Introduction

Thank you for choosing the VEVOR Whole House Water Filter System. This manual provides essential information for the safe installation, operation, and maintenance of your water filtration system. Please read it thoroughly before installation and keep it for future reference.

Safety Information

- Always turn off the main water supply before installing or servicing the filter system.
- Depressurize the system before opening filter housings.
- Ensure all connections are secure to prevent leaks.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Install the system in a location protected from freezing temperatures and direct sunlight.

2. Product Overview

The VEVOR Whole House Water Filter System (Model YMT003) is a 3-stage filtration unit designed to provide clean, filtered water throughout your home. It features a durable frame for versatile installation and includes pressure gauges for monitoring performance.



Image 2.1: VEVOR 3-Stage Whole House Water Filter System, showing the three blue filter housings, pressure gauges, and sturdy frame.

Filtration Stages

This system utilizes three distinct filter cartridges to address various water impurities:

1. **1st Stage (SED Filter):** A polypropylene sediment filter designed to remove larger particles such as rust, sand, and silt, protecting subsequent filters.
2. **2nd Stage (PHO Filter):** A polyphosphate filter that targets calcium (Ca) and magnesium (Mg) ions, preventing scale buildup and corrosion in plumbing and appliances.
3. **3rd Stage (CTO Filter):** An activated carbon block filter that adsorbs chlorine, bad tastes, odors, and volatile organic compounds (VOCs), improving water clarity and taste.



Image 2.2: Detailed diagram illustrating the function of each of the three filter stages: Sediment (SED), Polyphosphate (PHO), and Carbon Block (CTO).

Key Features

- **High Flow Rate:** Up to 15 Gallons Per Minute (GPM) ensures a steady water supply.
- **Large Capacity:** Filters up to 100,000 gallons of water.
- **Universal Cartridges:** Uses standard 4.5" x 20" filter cartridges for easy replacement.
- **Pressure Gauges:** Individual gauges for each stage allow monitoring of filter performance and indicate when

replacement is needed.

- **Durable Construction:** Features a robust SPPC steel frame and leak-proof housing.



Image 2.3: Close-up view highlighting key design elements such as the pressure gauges, red pressure relief valve, 1" NPT brass threads, and double O-rings for leak prevention.

3. Setup and Installation

Proper installation is crucial for the optimal performance of your VEVOR water filter system. It can be installed as a floor-standing unit or wall-mounted using the included bracket.

Pre-Installation Checklist

- **Location:** Choose a dry, level area protected from freezing temperatures, direct sunlight, and potential damage. Ensure sufficient space for filter replacement.
- **Tools Required:** Pipe wrench, PTFE tape, drill (for wall mounting), appropriate plumbing fittings (not included).
- **Water Supply:** The system is designed for a 1" NPT connection. Ensure your plumbing is compatible or acquire necessary adapters.

Installation Steps (General Guidelines)

1. **Turn off Water Supply:** Locate and turn off the main water supply to your home.
2. **Choose Installation Method:** Decide between floor-standing or wall-mounted. If wall-mounting, secure the bracket to a sturdy surface using appropriate hardware.
3. **Connect Plumbing:** Install the system on the main water line after the main shut-off valve and before the water heater. Use PTFE tape on all threaded connections to ensure a watertight seal. The inlet and outlet ports are clearly marked.
4. **Flush the System:** Before connecting to your household plumbing, slowly turn on the water supply to flush the system for several minutes until the water runs clear. This removes carbon fines and air.
5. **Check for Leaks:** Carefully inspect all connections for leaks. Tighten any leaking connections.



Image 3.1: A person performing installation or maintenance on the VEVOR whole house water filter system, demonstrating its placement and accessibility.

For detailed visual instructions on installation, please refer to the official VEVOR installation video playlist:

VEVOR Water Filter System Installation Videos

4. Operating Instructions

Once installed, the VEVOR Whole House Water Filter System operates automatically as water flows through your main supply line. There are no complex controls for daily operation.

Monitoring Performance

- **Pressure Gauges:** The system is equipped with pressure gauges for each filter stage. Monitor these gauges regularly. A significant drop in pressure across a filter stage indicates that the filter cartridge is becoming clogged and needs replacement.
- **Water Quality:** Observe your water quality. A return of bad taste, odor, or visible particles suggests that the filters

are exhausted and require replacement.

Initial Startup

After installation and flushing, slowly open the main water supply valve completely. The system will begin filtering water for your entire home. It is normal to hear some air purging from the system initially.

5. Maintenance

Regular filter replacement is essential to maintain optimal water quality and system performance.

Filter Replacement Frequency

The lifespan of filter cartridges varies depending on water quality and usage. General guidelines are:

- **SED Filter:** 3-6 months
- **PHO Filter:** 8-10 months
- **CTO Filter:** 6-12 months

Always replace filters when you notice a significant pressure drop or a decline in water quality.

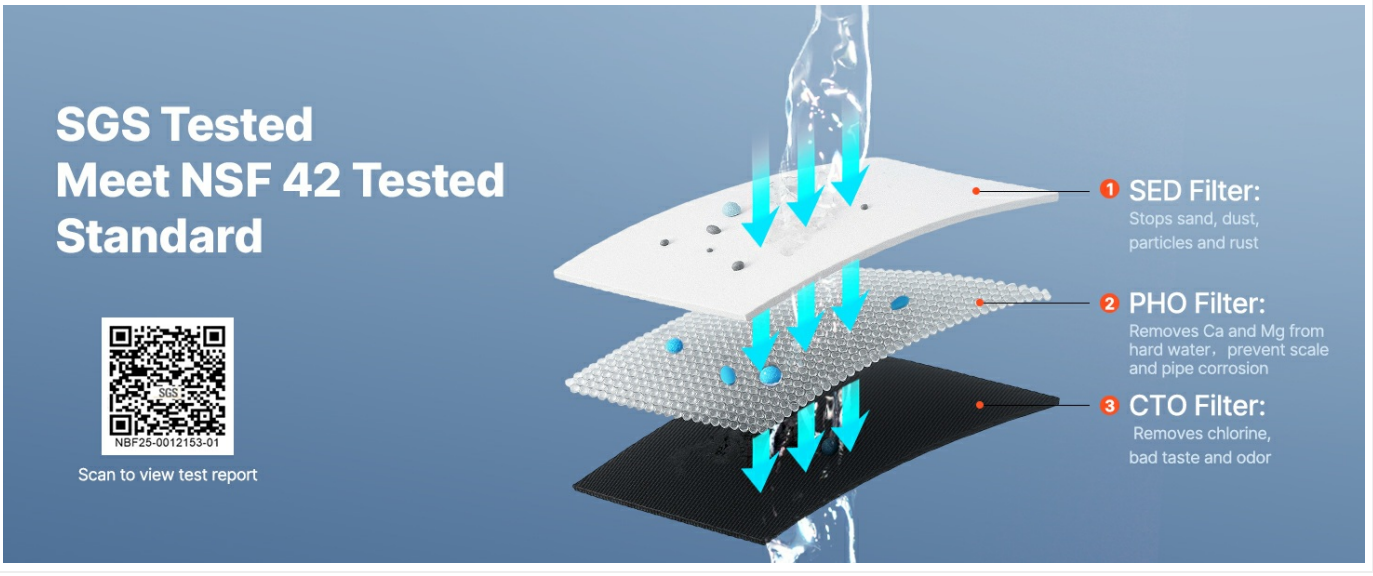

Image 5.1: Visual guide for recommended replacement intervals for SED, PHO, and CTO filter cartridges.

Filter Replacement Steps

1. **Turn off Water Supply:** Shut off the main water supply to the filter system.
2. **Depressurize System:** Open a nearby faucet to relieve pressure in the system. Use the red pressure relief button on top of each housing if available.
3. **Unscrew Housing:** Use the provided filter wrench to unscrew the filter housings counter-clockwise.
4. **Remove Old Filter:** Carefully remove the old filter cartridge and discard it.
5. **Clean Housing:** Clean the inside of the filter housing with warm, soapy water. Rinse thoroughly. Inspect and lubricate the O-rings with food-grade silicone grease if necessary.
6. **Insert New Filter:** Place the new filter cartridge into the housing, ensuring it is centered.
7. **Reassemble Housing:** Screw the housing back onto the cap clockwise. Hand-tighten, then use the wrench for an additional 1/4 to 1/2 turn to ensure a snug fit. Do not overtighten.
8. **Restore Water Supply:** Slowly turn on the main water supply. Check for leaks.
9. **Flush System:** Run water through a nearby faucet for several minutes to flush out any air and carbon fines from the new filter.

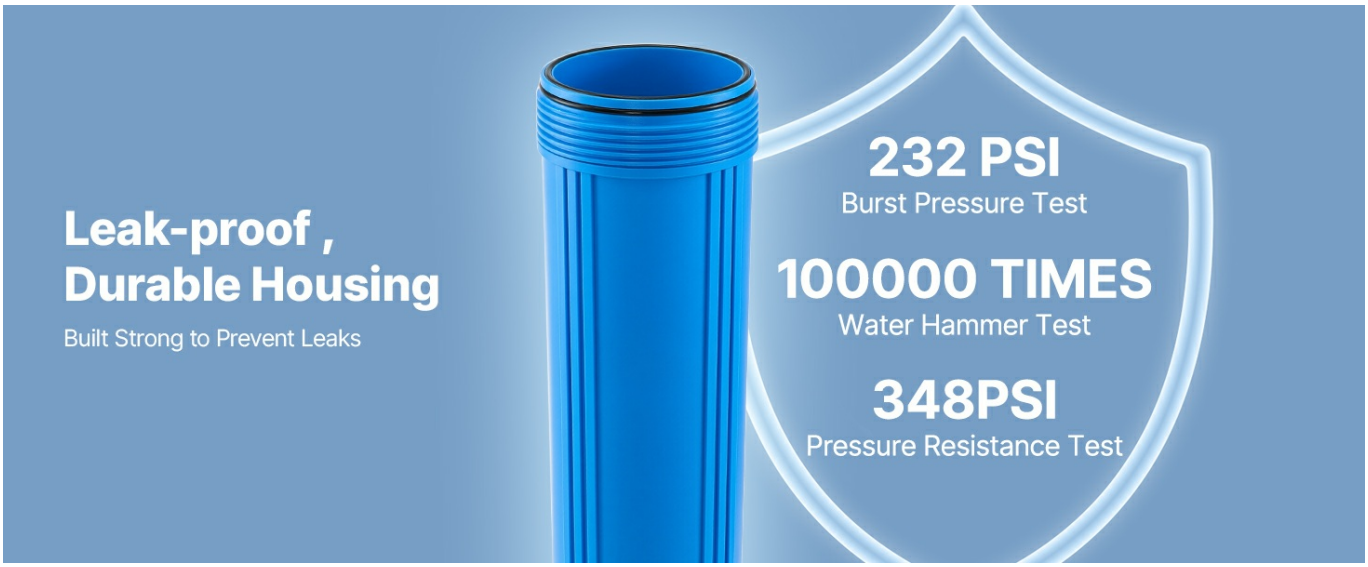

Image 5.2: Visual representation of the filter replacement process, emphasizing the ease of twisting off housings.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Low Water Pressure	Clogged filter cartridges	Replace the affected filter(s) as indicated by pressure gauges.
Water Leaks	Loose housing, damaged O-ring, incorrect filter seating	Turn off water, depressurize, check O-rings for damage/proper seating, tighten housing with wrench.
Bad Taste/Odor Returns	Exhausted CTO filter	Replace the CTO (carbon block) filter.
Visible Particles in Water	Exhausted SED filter	Replace the SED (sediment) filter.
Scale Buildup Returns	Exhausted PHO filter	Replace the PHO (polyphosphate) filter.

7. Specifications

Detailed technical specifications for the VEVOR Whole House Water Filter System (Model YMT003).





Image 7.1: Dimensions, weight, and a list of included accessories for the VEVOR Water Filter System YMT003.

Feature	Specification
Model Name	Water Filter System YMT003
Brand	VEVOR
Product Dimensions (L x W x H)	22.6" x 9.8" x 31.5" (575 x 250 x 800mm)
Material	Stainless Steel (Frame)
Capacity	100,000 Gallons
Maximum Flow Rate	15 Gallons Per Minute (GPM)
Purification Method	Sediment, Polyphosphate (PHO), Activated Carbon (CTO)
Installation Type	Freestanding / Wall-mounted
Connection Size	1" NPT
Filter Cartridge Size	4.5" x 20" Universal
Special Feature	Leak Proof, Pressure Gauges
Supported Water TDS Level Maximum	300 PPM
Included Components	Assembled Housing Kit with Bracket, 3 Installed Filters, User Manual, Wrench, 2 x 8mm Screws, 2 x 8mm Expansion Pipes, PTFE Tape

8. Warranty and Support

VEVOR is committed to providing high-quality products and customer satisfaction. For warranty information, technical support, or to purchase replacement parts, please visit the official VEVOR website or contact their customer service directly.

Visit the VEVOR Store

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