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SimPure DB1025

SimPure Whole House Water Filter Housing Instruction Manual

Model: DB1025 | Brand: SimPure

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SimPure Whole House Water Filter Housing. Please read these instructions carefully before installation and retain them for future reference. This system is designed to filter water for various household and commercial applications, improving water quality and protecting plumbing and appliances.



Image 1.1: SimPure Whole House Water Filter Housing, including the housing unit, wrench, steel bracket, and screws.

2. PRODUCT COMPONENTS

The SimPure Whole House Water Filter Housing package includes the following items:

- DB1025 Whole House Water Filter Housing (1 unit)
- Wrench (1 unit)
- Steel Bracket (1 unit)
- Screws (4 units)

Note: Filter cartridges and push fittings are sold separately and are not included with this housing unit.

Safe and Secure



Food Grade Material



Universal Size



Large Filtration Capacity



Easy Installation

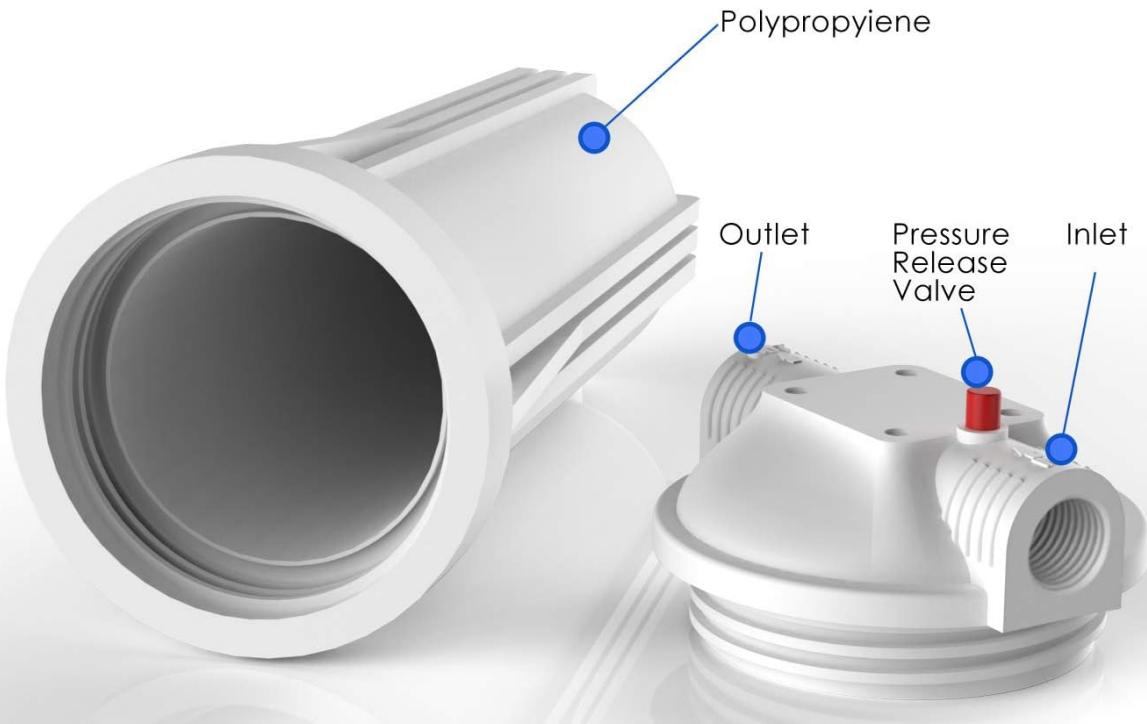


Image 2.1: Exploded view of the filter housing showing the inlet, outlet, pressure release valve, and the polypropylene material construction.

3. SPECIFICATIONS

Feature	Specification
Model Name	Whole House Water Filter Housing
Item Model Number	DB1025
Installation Type	Whole-House, Inline
Inlet/Outlet Size	3/4 inch NPT
Compatible Filter Cartridge Size	Universal 10 inch x 2.5 inch
Maximum Flow Rate	5 Liters Per Minute
Upper Temperature Rating	120 Degrees Fahrenheit (49 Degrees Celsius)

Feature	Specification
Item Weight	2.5 Pounds (approx. 1.13 kg)
Material	Food Grade Polypropylene
Features	Pressure Relief Button, Heavy-Duty Steel Bracket, Reinforced Top Mounting Hole

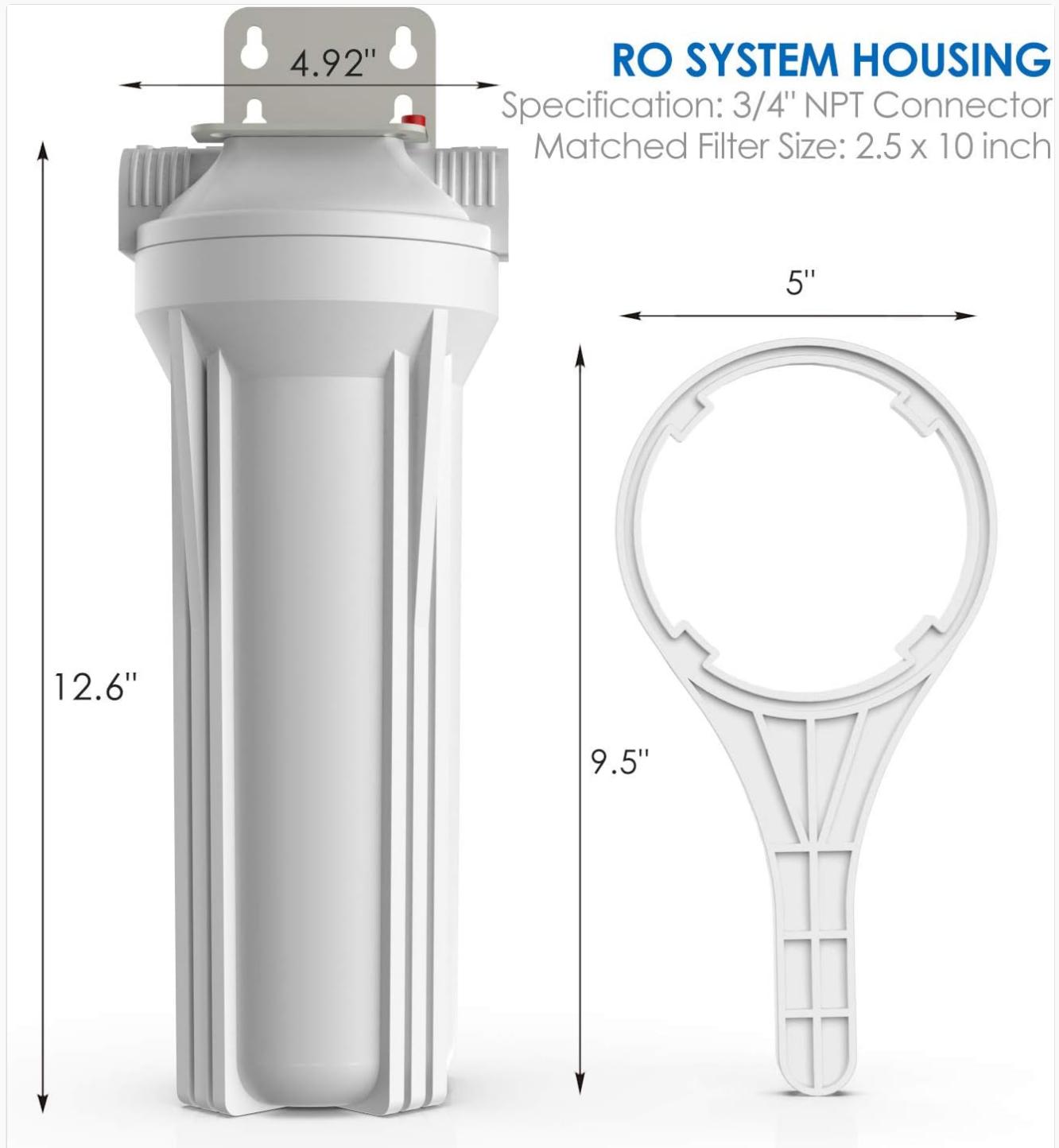


Image 3.1: Detailed dimensions of the SimPure Whole House Water Filter Housing and the included wrench.

4. SAFETY INFORMATION

- Always shut off the main water supply before installing or servicing the filter housing.
- Release pressure from the system using the red pressure relief button before opening the housing.

- Ensure all connections are properly sealed to prevent leaks. Use appropriate thread sealant (e.g., Teflon tape) on NPT threads.
- Do not overtighten the housing during installation or filter replacement, as this can damage the unit.
- The maximum operating temperature is 120°F (49°C). Do not use with water exceeding this temperature.
- This housing is designed for cold water applications only.
- Keep the product out of reach of children.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your SimPure Whole House Water Filter Housing:

- 1. Choose Installation Location:** Select a suitable location for the filter housing. Ensure there is at least 2 inches of clearance below the housing for future filter changes. The location should be protected from freezing temperatures and direct sunlight.
- 2. Shut Off Water Supply:** Turn off the main water supply to your home or the specific area where the filter will be installed. Open a nearby faucet to relieve pressure and drain the water lines.
- 3. Mount the Bracket:** Use the provided steel bracket and screws to securely mount the filter housing head to a sturdy surface. Ensure the bracket is level.
- 4. Apply Thread Sealant:** Wrap Teflon tape (not included) around the 3/4 inch NPT inlet and outlet threads of the filter housing to create a watertight seal.
- 5. Connect Plumbing:** Connect your water pipes to the inlet and outlet ports of the filter housing. The inlet is typically marked with an "IN" arrow, and the outlet with an "OUT" arrow. Ensure the flow direction is correct. Push fittings or other appropriate connectors (not included) may be required depending on your plumbing system.
- 6. Insert Filter Cartridge:** Unscrew the housing sump from the head using the provided wrench. Insert the appropriate 10-inch x 2.5-inch filter cartridge (not included) into the sump. Ensure the O-ring is properly seated in its groove on the canister or cap to prevent leaks.
- 7. Secure the Sump:** Screw the sump back onto the housing head. Hand-tighten until snug, then use the wrench for an additional 1/4 to 1/2 turn to ensure a secure, leak-free seal. Do not overtighten.
- 8. Restore Water Supply and Flush:** Slowly turn on the main water supply. Check for any leaks. Once water flow is established, press the red pressure relief button on top of the housing to release trapped air. Flush the system by running water through a nearby faucet for a few minutes to remove any air or carbon fines from new cartridges.

Installation Steps



Image 5.1: Visual guide illustrating the four main steps for installing the SimPure Whole House Water Filter Housing, including mounting, connecting plumbing, inserting the filter, and flushing the system.

Fit For Other Brands RO System?

The housing size is standard model for 10 x 2.5 with 3/4" NPT connector, fitting all RO system DIY.



Image 5.2: Close-up view of the filter housing head, highlighting the 3/4 NPT inlet and outlet connections and the red pressure relief button.

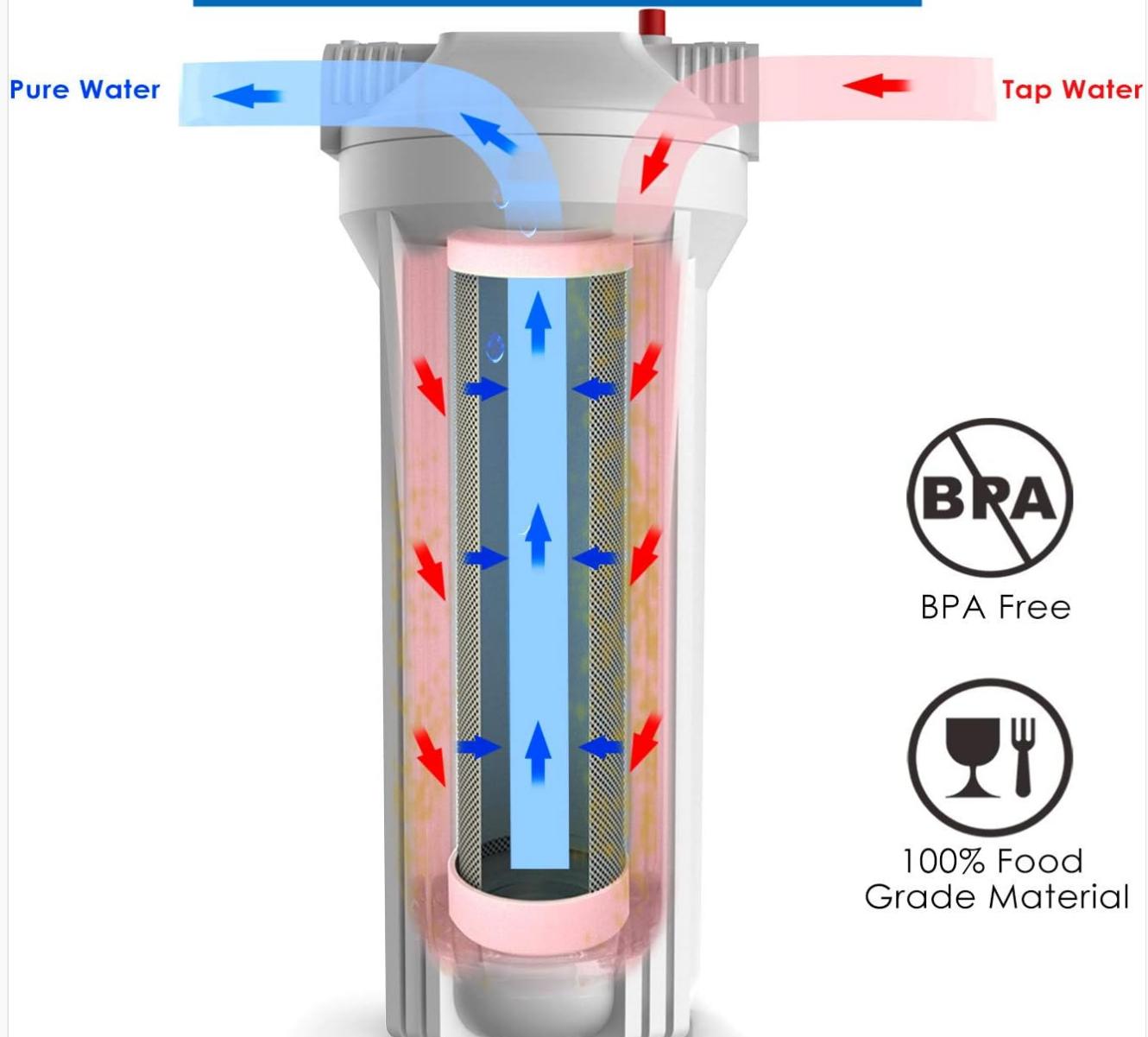
6. OPERATING INSTRUCTIONS

Once installed, the SimPure Whole House Water Filter Housing operates continuously as water flows through your main water line. The filter cartridge inside removes impurities based on its specific filtration capabilities (e.g., sediment, chlorine, taste, odor).

How the System Works:

Tap water enters the filter housing through the inlet. It then flows through the filter cartridge, where contaminants are trapped or absorbed. The filtered water exits the housing through the outlet, providing clean water to your entire home or specific application points.

How It Works?



Easy to Replace Filter(not include)

Image 6.1: Diagram illustrating the path of tap water entering, being filtered, and exiting as pure water from the housing.

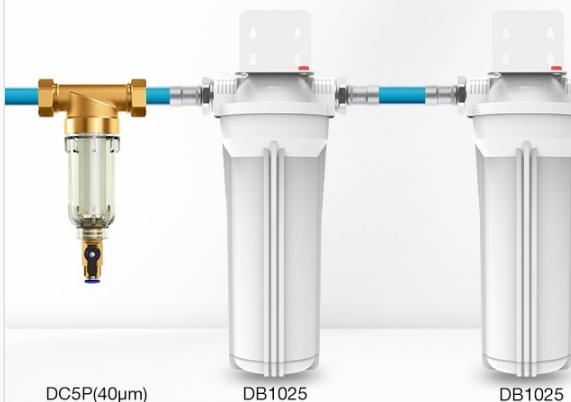
Applications:

This filter housing is suitable for various applications, including:

- Whole-house water filtration
- RV water filtration systems
- Pre-filtration for multi-stage water purifiers
- Protection for washing machines, dishwashers, and shower heads

Whole House Protection

Protect your home appliances and provide clean drinking water



Washing Machine



Dishwasher



Shower Head



Water Filter System

Allows your loved family to enjoy clean, refreshing water and brings healthy living experience.

Image 6.2: Illustration of how the filter housing provides whole-house protection for various appliances like washing machines, dishwashers, and shower heads.

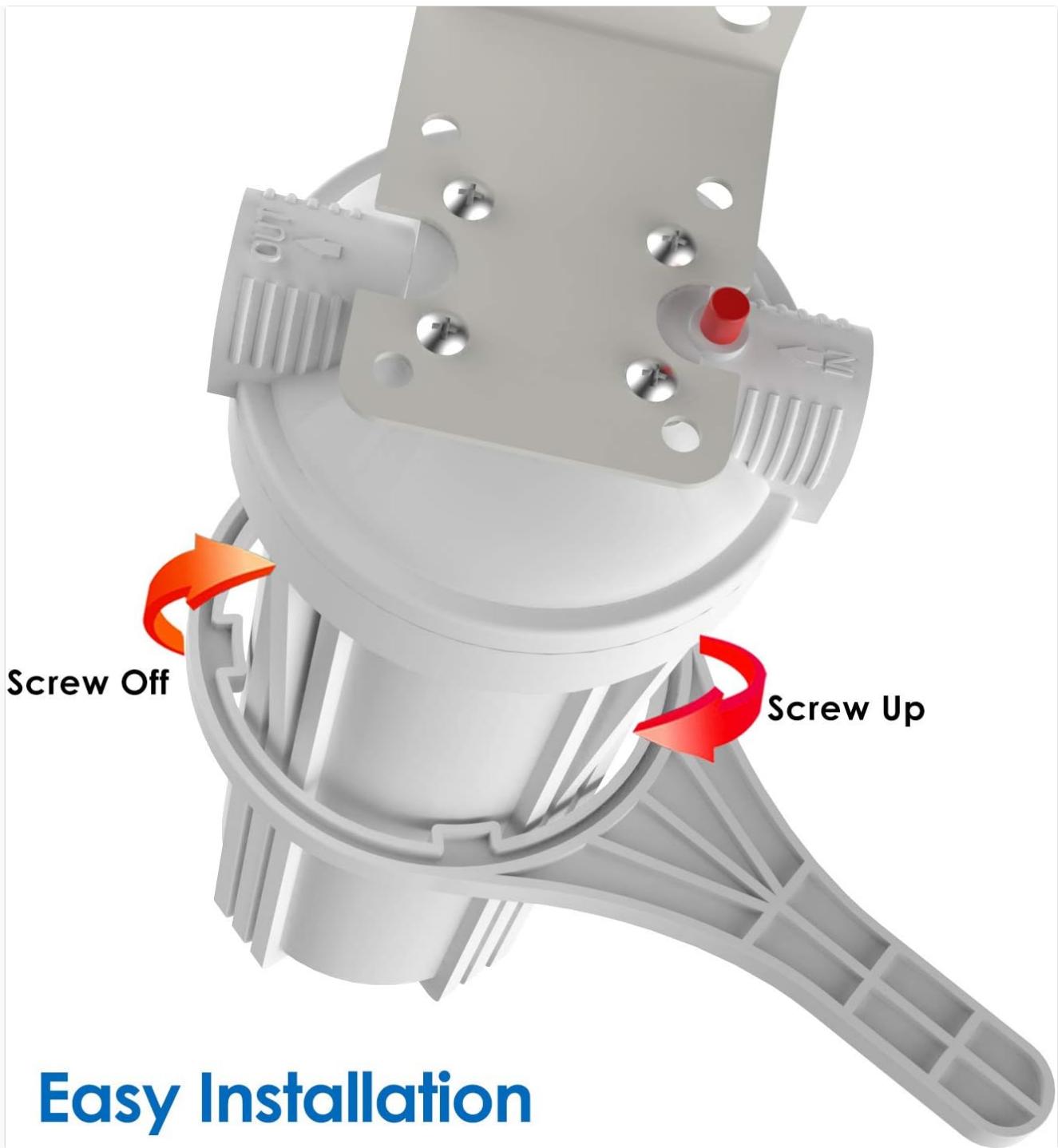
7. MAINTENANCE

Regular maintenance, primarily filter cartridge replacement, is crucial for optimal performance and longevity of your water filter system.

Filter Cartridge Replacement:

The frequency of filter replacement depends on water quality and usage. Typically, sediment filters are replaced every 3-6 months. A noticeable drop in water pressure or visible discoloration of the filter cartridge indicates it's time for a change.

- 1. Shut Off Water Supply:** Turn off the main water supply to the filter housing.
- 2. Relieve Pressure:** Press the red pressure relief button on top of the housing to release any trapped pressure.
- 3. Unscrew Sump:** Place a bucket underneath the housing to catch any residual water. Use the provided wrench to unscrew the filter sump from the housing head.
- 4. Remove Old Cartridge:** Carefully remove the old filter cartridge and dispose of it according to local regulations.
- 5. Clean Housing:** Rinse the inside of the filter sump with clean water. Inspect the O-ring for any signs of wear, cracks, or damage. Replace the O-ring if necessary (search for B0D2D9MY1M for compatible O-rings). Lubricate the O-ring with food-grade silicone grease to ensure a good seal.
- 6. Insert New Cartridge:** Insert a new, compatible 10-inch x 2.5-inch filter cartridge into the sump. Ensure it is centered.
- 7. Reassemble Housing:** Screw the sump back onto the housing head. Hand-tighten until snug, then use the wrench for an additional 1/4 to 1/2 turn. Do not overtighten.
- 8. Restore Water Supply and Flush:** Slowly turn on the main water supply. Check for leaks. Press the red pressure relief button to release air. Flush the system by running water for several minutes.



Easy Installation

Image 7.1: Illustration showing the use of the provided wrench to loosen and tighten the filter housing sump for filter replacement.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Water Leakage	<ul style="list-style-type: none"> Improperly seated O-ring Damaged O-ring Sump not tightened sufficiently Cross-threaded sump Loose plumbing connections 	<ul style="list-style-type: none"> Shut off water, relieve pressure, unscrew sump, re-seat O-ring properly. Replace O-ring if damaged. Tighten sump an additional 1/4 to 1/2 turn with wrench. Ensure sump is screwed on straight. Check and tighten all plumbing connections, reapply Teflon tape if needed.
Low Water Pressure	<ul style="list-style-type: none"> Clogged filter cartridge Air trapped in the system Incorrectly installed filter cartridge 	<ul style="list-style-type: none"> Replace the filter cartridge. Press the pressure relief button to release air. Shut off water, relieve pressure, check filter cartridge orientation and seating.
Water Not Filtering Effectively	<ul style="list-style-type: none"> Incorrect filter cartridge type for contaminants Expired filter cartridge 	<ul style="list-style-type: none"> Ensure you are using the correct filter type for the specific contaminants you wish to remove. Replace the filter cartridge according to its recommended lifespan.

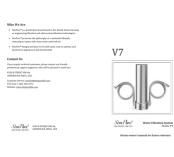
9. WARRANTY AND SUPPORT

SimPure provides reliable support for its products. For questions regarding installation, quality, or accessories, please contact SimPure customer service. If you experience any issues, particularly water leakage, professional solutions are available. One purchase includes lifetime service.

For further assistance, please refer to the contact information provided with your product or visit the official SimPure website.

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Related Documents - DB1025

	<p>SimPure V7 Water Filtration System: Installation, Operation & Maintenance Manual</p> <p>Comprehensive guide for installing, operating, and maintaining the SimPure V7 water filtration system, including safety precautions, troubleshooting, and warranty information. Features a 5-stage filtration process for clean, great-tasting water.</p>
	<p>SimPure Q3-600 RO Water Filtration System: Installation and Operation Manual</p> <p>Comprehensive guide for installing, operating, and maintaining the SimPure Q3-600 RO Water Filtration System, including filter replacement, troubleshooting, and warranty information.</p>

	<p>SimPure T1 Series RO Water Filtration System: Installation, Operation & Maintenance Manual</p> <p>Comprehensive guide for the SimPure T1 Series RO Water Filtration System (T1-400UV, T1-400ALK), covering installation, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>SimPure Q3-600 RO Water Filtration System User Manual</p> <p>This manual provides detailed instructions for the installation, operation, and maintenance of the SimPure Q3-600 RO Water Filtration System. It covers system components, safety precautions, installation steps, filter replacement, troubleshooting, and warranty information.</p>
	<p>SimPure T1-400 RO Water Filtration System: Installation, Operation, and Maintenance Guide</p> <p>Comprehensive guide for the SimPure T1-400 Reverse Osmosis water filtration system, covering installation, operation, maintenance, troubleshooting, and warranty information. Learn how to set up and use your system for clean, purified drinking water.</p>
	<p>SimPure Y7P-W Water Filtration System User Manual</p> <p>User manual for the SimPure Y7P-W Countertop Water Purification System, detailing installation, operation, maintenance, and troubleshooting.</p>