SimPure DB10C-2

SimPure Whole House 2-Stage Water Filter System

Model: DB10C-2

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your SimPure Whole House 2-Stage Water Filter System (Model DB10C-2). This system is designed to provide comprehensive pre-filtration for your entire home, reducing common contaminants and improving overall water quality.

The system features two stages of filtration: a sediment filter and a carbon block filter. It is compatible with most standard 10" x 4.5" filter cartridges and is engineered to reduce odor, chlorine, and improve taste, while also addressing iron and lead in your water supply. The clear filter housings allow for easy monitoring of filter cartridge usage.

For optimal performance and product longevity, maintain a water pressure between 25-90 psi and a temperature range of 41-100°F (5-38°C).

2. Safety Information

- Read all instructions carefully before installation and use.
- Turn off the main water supply before beginning any installation or maintenance.
- Release system pressure before opening filter housings.
- Ensure all connections are secure to prevent leaks.
- Do not install the system in direct sunlight or where it may be exposed to freezing temperatures.
- Use only genuine SimPure replacement filters for optimal performance and to maintain warranty.

- Keep children away from the installation area and during maintenance.

3. Package Contents

Verify that all components are present before beginning installation.

- 1x DB10C-2 assembled housing kit with bracket
- 2x Installed Filters (PP sediment + CTO filters)
- 1x Wrench
- 2x Screws
- 2x Plastic Expansion Nails
- 4x Installed O-rings (2 in each housing)
- 2x Teflon Tapes
- 1x Punch Positioning Sticker



Image: Detailed view of all components included in the SimPure DB10C-2 package.

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your water filter system. It is recommended to have basic plumbing knowledge or consult a professional plumber.

4.1 Tools Required

- Electric drill
- Adjustable wrench
- Cross-head screwdriver
- Pipe cutter or hacksaw
- Valve to isolate filter housing (Optional)
- Push fit connections for Filter housing ports x2 (1-inch NPT threaded)

4.2 Installation Steps

1. **Prepare the Installation Area:** Choose a location that is protected from direct sunlight and freezing temperatures. Ensure there is at least 3 inches of clearance from the bottom of the filter housings to the ground for maintenance.
2. **Install Push Fittings:** Apply Teflon tape (wrap 10 times) to the threads of the 1-inch NPT brass push fittings. Securely screw these fittings into the IN and OUT ports of the filter system.
3. **Mark and Drill Mounting Holes:** Use the provided punch positioning sticker to mark the drilling locations on your mounting surface. Drill holes and insert the plastic expansion nails.
4. **Mount the Filter System:** Secure the filter system bracket to the wall using the provided screws.
5. **Cut and Connect Piping:** Turn off the main water supply. Measure and cut the main water line to accommodate the filter system. Connect the water lines to the IN and OUT ports of the filter system using appropriate plumbing connections. Ensure all connections are watertight.
6. **Insert Filter Cartridges:** Remove the plastic wrap from both the sediment (MPP) and carbon block (CTO) filter cartridges. Ensure the two O-rings are completely seated in their slots on the filter housings. Carefully insert the filters into their respective clear housings.
7. **Secure Filter Housings:** Hand-tighten the filter housings onto the system head. Use the provided wrench for a final snug tighten, but do not overtighten.
8. **Flush the System:** Slowly turn on the main water supply. Press the red pressure release buttons on top of the system to expel air from the filter housings. For first use, open a downstream faucet and flush the system for at least 15 minutes to remove any carbon fines and air.

Your browser does not support the video tag.

Video: SimPure Latest Upgrade 2-Stage Wholehouse Water Filter Installation Instruction. This video demonstrates the step-by-step process for installing the water filter system, including preparing the fittings, mounting the unit, and connecting the water lines.

5. Operating Instructions

Once installed and flushed, your SimPure DB10C-2 system operates automatically, filtering all water entering your home. The clear filter housings allow for visual inspection of filter condition.

5.1 Filtration Process

- **Stage 1 (Sediment Filter):** The first filter removes larger particles such as rust, dirt, silt, and sand, protecting downstream filters and appliances.
- **Stage 2 (Carbon Block Filter):** The second filter, an activated carbon block, reduces chlorine, unpleasant tastes, odors, and volatile organic compounds (VOCs).



Image: Diagram illustrating the 2-stage filtration process, showing the removal of chlorine, odor, sediment, dirt, sand, and large particles.

5.2 Water Quality Monitoring

Regularly inspect the clear filter housings. A noticeable change in color or a significant reduction in water pressure indicates that filter replacement is due.

6. Maintenance

Regular filter replacement is essential for maintaining optimal water quality and system performance.

6.1 Filter Lifespan

- **Sediment Filter:** Typically lasts 6-12 months, depending on water quality and usage.
- **Carbon Block Filter:** Typically lasts 3-6 months, depending on water quality and usage.

6.2 Filter Replacement Procedure

1. Turn off the main water supply to the filter system.
2. Open a downstream faucet to relieve pressure in the system. Press the red pressure release buttons on top of the filter housings.
3. Using the provided wrench, unscrew the filter housings. Be prepared for some residual water to spill.
4. Remove the old filter cartridges. Discard them according to local regulations.
5. Clean the inside of the filter housings with warm, soapy water. Rinse thoroughly.
6. Inspect the O-rings for any damage or wear. Replace if necessary. Lubricate O-rings with food-grade silicone grease if available. Ensure O-rings are properly seated in their grooves.
7. Remove the plastic wrap from the new filter cartridges.
8. Insert the new filter cartridges into their respective housings.
9. Hand-tighten the filter housings onto the system head. Use the provided wrench for a final snug tighten, but do not overtighten.
10. Slowly turn on the main water supply. Press the red pressure release buttons to expel air.
11. Flush the system for at least 15 minutes to remove any carbon fines and air before regular use.

Your browser does not support the video tag.

Video: SimPure Whole House Water Filter System - Filter CTO MPP Replacement Tutorial. This video provides a visual guide on how to replace the sediment and carbon block filters in the system.

7. Troubleshooting

Problem	Possible Cause	Solution
Water Leakage	Loose connections, damaged O-rings, incorrect filter seating.	Check all connections and tighten. Inspect and replace O-rings if damaged. Ensure filters are seated correctly.
Low Water Pressure	Clogged filter cartridges, air in the system.	Replace clogged filters. Press red buttons to release air.

Problem	Possible Cause	Solution
Unpleasant Taste/Odor	Exhausted carbon filter, system not flushed properly.	Replace carbon filter. Flush the system for a longer period.
Visible Sediment in Water	Exhausted sediment filter, bypass valve open.	Replace sediment filter. Ensure bypass valve is closed.

8. Specifications

- **Model Name:** DB10C-2
- **Product Dimensions:** 15.5"L x 7.2"W x 14.5"H
- **Weight:** 17.5 Pounds
- **Material:** Carbon Fiber (filter media)
- **Capacity:** Up to 80,000 Gallons per year
- **Installation Type:** Freestanding (or wall-mounted with bracket)
- **Purification Method:** Activated Carbon, Sediment Filtration
- **Power Source:** Manual Operation (no electricity required)
- **Special Features:** Change Filter Indicator (visual via clear housing), Chlorine Reduction, Heavy Duty construction
- **Recommended Water Pressure:** 25-90 psi
- **Recommended Water Temperature:** 41-100°F (5-38°C)

9. Warranty and Support

SimPure is committed to providing superior water solutions. For warranty information, technical assistance, or customer service, please refer to the contact information provided in your product packaging or visit the official SimPure website. Our professional customer service team is dedicated to assisting you with any questions or concerns.

© 2023 SimPure. All rights reserved.