

Who we are

- SimPure® is a purification brand based in the United States, focusing on engineering filtration and advanced purification technology.
- SimPure® promotes the philosophy of a minimalist lifestyle, returning to nature with clean water and fresh air.
- SimPure® design product's to be both smart, easy to operate, and practical in appearance and functionality.

Contact Us

If you require technical assistance, please contact our friendly professional support engineers, who will be pleased to assist you.

Address: 4530 B STREET NW #A, AUBURN
WA 98001, USA

Phone: +1-866-528-4572

Customer Service: service@simpurelife.com

Website: www.simpurelife.com



SimPure®
— stay simple. stay pure —

Whole House Water Filter

READ AND SAVE THESE INSTRUCTIONS

SimPure®
— stay simple. stay pure —

Operator and Maintenance Handbook for the following models:

DB10, DB20, DB10-PP, DB10-CTO

Notes:

Owners Handbook Manual Ref: MSRP-144P-01

| Revision | Date | Description |
|----------|---------|---------------|
| 01 | 08/2021 | New document. |

Images used in this manual may not represent your actual product; they are a visual aid only.

Notes:

Table of Contents

| | |
|--|-----------|
| Overview | 1 |
| Getting Started..... | 2 |
| Introduction..... | 2 |
| Warning and Caution | 3 |
| Operating Guidelines | 4 |
| Typical Installation | 5 |
| Installation | 6 |
| Installation Kit | 7 |
| Additional parts required (not supplied) | 8 |
| Installation guide..... | 9 |
| Filter Cartridge Replacement..... | 12 |
| Troubleshooting Guide | 13 |
| Warranty | 14 |

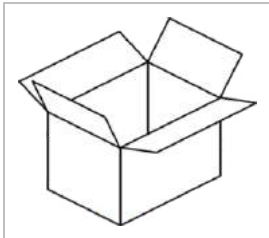
Overview

Getting Started



- Introduction
- Warning & Caution
- Operating Guidelines
- Typical Installation

Installation



- Installation Kit
- Additional Parts Required
- Installation Guide

Operation Guide



- Filter Cartridge Replacement
- Maintenance
- Troubleshooting Guide
- Warranty

Warranty

SimPure® warrants to the customer that its Whole House Filter System will be free from defects in material and workmanship under normal use and service for a period of 1 year. We will replace or repair any part of the SimPure® Whole House Filter System that we find to be defective in operation due to faulty materials or workmanship within one year since the original purchase date. Used replaceable filter cartridges and membranes are excluded.

General Conditions

SimPure® obligation to the customer under these warranties shall be limited, at its option, to replace or repair items covered by these warranties. Prior to returning or repairing covered items, the customer must obtain a return goods authorization number from SimPure® and, at SimPure® option, return the item with freight prepaid by the customer.

Damage to any part of this system because of misuse, misapplication, negligence, alteration, accident, installation, or operation contrary to our instructions, incompatibility with accessories not installed by SimPure®, or damage caused by freezing, flood, fire, or Acts of God are not covered by this warranty. In all such cases, regular charges will apply. This limited warranty does not include service to diagnose a claimed malfunction in this unit. This warranty is void if the claimer is not the original purchaser of the unit or if the unit is not operated under normal municipal water or well water conditions. We assume no warranty liability in connection with this system other than that specified herein. This warranty is in lieu of all other warranties, expressed or implied, including warranties of fitness for a particular purpose. SimPure® liability hereunder shall not exceed the cost of the product. Under no circumstances will SimPure® be liable for any incidental or consequential damages or for any other loss, damage, or expense of any kind, including loss of use, arising in connection with the installation or use or inability to use the covered items. These warranties are governed by the laws of the state of Washington, USA, and may change at any time without notice.

| Troubleshooting Guide | | |
|-----------------------|---|--|
| | Problem | Possible Solution |
| 1 | Leaks between filter head and filter bowl of housing | Tap water pressure is too high; make sure it is below 90psi (620kpa). If too high, fit a pressure regulator. |
| | | The O-ring may not be in place. Clean and lubricate O-ring with silicone grease. Also, clean the groove where the O-ring sits. Replace O-ring in the groove above threads. Screw the bowl back on the filter head securely by hand, then use the wrench to fit it snugly. Do not over tighten |
| 2 | Leaks on inlet/outlet connections | Wrap the Teflon tape around pipe threads of each fitting in a clockwise direction, add more tap as necessary for the correct seal. |
| | | Brass fittings may require to tighten ½-turn with a wrench. Do not over tighten |
| 3 | Leaks from the pressure release button | The pressure release button has a screw under the bracket. Simply tighten that screw and the leaking should stop. |
| 4 | Water Pressure is slowing after some time | Recommended changing the cartridges every 6-12 months depending on the amount of contaminants present in the feedwater supply. If the system has been working correctly and the water pressure is slowing, it may be time to change the filter cartridge element. (review cartridge instructions) |
| 5 | Water Pressure is slowing immediately after installation when using a Carbon Cartridge | Check the filter cartridge has not been installed incorrectly. Make sure the plastic wrapper around the filter has been removed. |
| | | Bathtubs, utility sinks, garden hoses, showers, or anything considered high-flow should be avoided for the first 72 hours. Any high-flow situation within the first 72 hours may cause a temporary carbon blockage. To clear the blockage, turn off any running water for at least 10 minutes and resume using water at low or regular flow rates. |
| 6 | Water appears cloudy and grey | Water may appear cloudy or grey for the first 3-5 days after installation due to the tiny air bubbles being purged from the filters and extra carbon dust in the water. (depended on the filter cartridge being used) |

Getting Started

Introduction

Thank you for purchasing the SimPure® Whole House Water Filter. There are four models: DB10, DB20, DB10-PP, and DB10-CTO, which incorporating a rugged solid design, helping to deliver filtered water to your home or office. Please refer to the SimPure® website for the latest product information, including manuals, product videos, support materials, and where to purchase SimPure products and consumables.



The water filter housing is a durable piece of equipment; it will last for many years with proper care. This owner's handbook outlines the installation, operation, and maintenance requirements to sustain perfect product performance.

Customer Service: service@simpurelife.com

Phone: +1-866-528-4572

Website: www.simpurelife.com

The water filter housing, when fitted with a SimPure filter cartridge, will guard your property against poor incoming water quality. Removing impurities and particulates from your water, such as sediment, dirt, and rust. Designed to be your first line of defense, protecting your water appliances such as washing machines, dishwashers, water heaters, and pretreatment for house filtrations systems, improving the water quality, and protecting kitchen and bathroom faucets and showers fittings from blockage.

Warning & Caution

SimPure® products are designed with safety in mind. However, personnel using these units must be familiar with any potential dangers. All safety information detailed in this handbook should be reviewed before installing and operating this water purification system.

This product is not a toy; please keep children away from the water filter. Please keep packing materials out of children's reach.

Filter must be protected against freezing, which can cause cracking of the filter housing and water leakage.

To prevent the risk of costly repairs or possible water damage, we strongly recommend that the filter bowl be replaced every five years as a precautionary measure. If the filter housing has been in use for longer than this period, it should be replaced immediately.

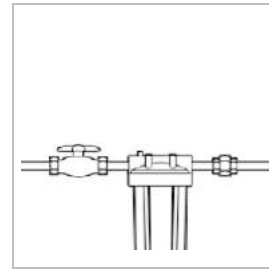
This unit is for use with cold municipal tap water or potable well water that has been tested safe by a certified laboratory. Never use hot water or unknown/unsafe sources of water.

The installation of the system must comply with your local and state regulations. Please check before commencing installation.

The O-ring provides the water-tight seal between the head and the filter bowl. The O-ring must be seated correctly in the groove above the threads of the housing, or a water leak could occur.

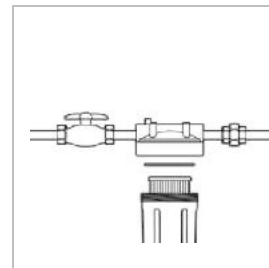
Warnings and Cautions are provided; Failing to observe the instructions could damage the equipment, associated parts, surroundings, or personal injury.

Filter Cartridge Replacement

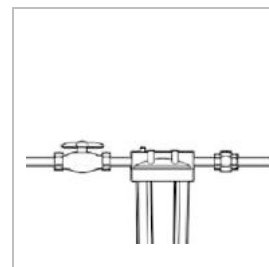


Turn off the water supply to filter. Depress the red pressure-relief button on top of the filter. Use the wrench to unscrew the filter bowl.

NOTE: If turning off the water supply to the filter will also turn off the water supply to the rest of the home, be sure to fill a bucket of water first to allow you to clean housing after it has been removed.



Locate and remove large O-ring, wipe clean of lubricant, and set aside. Discard used cartridge. Rinse out the bottom of the filter bowl and fill about 1/3 full with water. Add two tablespoons of bleach and scrub filter head and bowl with nonabrasive sponge or cloth. Rinse thoroughly. Lubricate O-ring with clean silicone grease. Insert O-ring back into the groove and smooth into place with finger. Insert new cartridge over standpipe in the bottom of filter bowl, making sure the cartridge is sitting upright (not tilted).



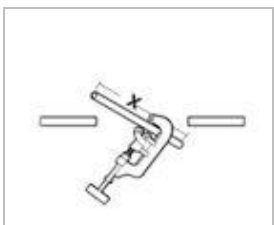
Screw the bowl onto the filter housing head hand-tight, then use the wrench to finish turning the bowl so it fits snugly. **DO NOT OVER-TIGHTEN.**

Turn on the water supply slowly to allow filter housing to fill with water. Depress the red pressure-relief button to release trapped air until water starts to come out of the red relief button. Check for leaks before leaving installation.

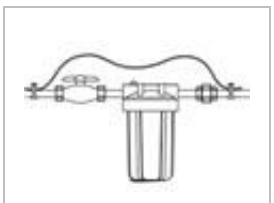
NOTE: After installing a new cartridge, flush for 10 minutes to drain, if possible, wait one hour, then flush again for 10 minutes before using the water; this will help condition the filter ready for use.



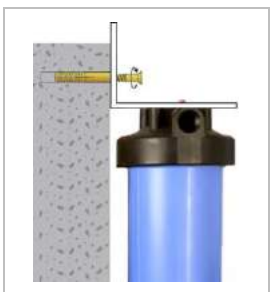
Measure the length (shown as X on diagram) across assembled fittings and subtract 2-inches (50 mm) if you are installing on 1 inch (25 mm) pipe. Mark section of pipe to be removed.



Using a pipe cutter or hacksaw, remove the marked section of the pipe. Remove burrs to ensure a smooth surface without scratches. Align filter assembly with ends of the pipe, making certain filter head port marked "IN" is facing the incoming water supply. Connect to existing pipework.



CAUTION: If water pipes are used to ground electrical systems, appliances, or phones, be sure to install a jumper wire. (as shown) Contact your local electrician for more information.



After the housing is plumbed in, secure the bracket to the wall using a fixing method suitable to your installation requirements.

It's essential the housing is secured by the bracket and not just the pipework to support the housing's operating weight when full of water and to hold the filter head tightly when using the filter bowl wrench when replacing filters.

Once the installation is complete, slowly turn on water supply to the filter housing and depress the red pressure-relief button on the filter head to release trapped air until water starts to come out. Check for leaks. Open the nearest faucet and flush filter for 10-minutes, wait one hour, re-check installation for any leaks and flush again for 10-minutes.

Operating Guidelines

The following table lists the operating parameters for this product. Operating this product outside these specifications may cause system performance issues and may even lead to personal injury and void any warranty. Please contact SimPure® for further advice and support if unsure about the requirements.

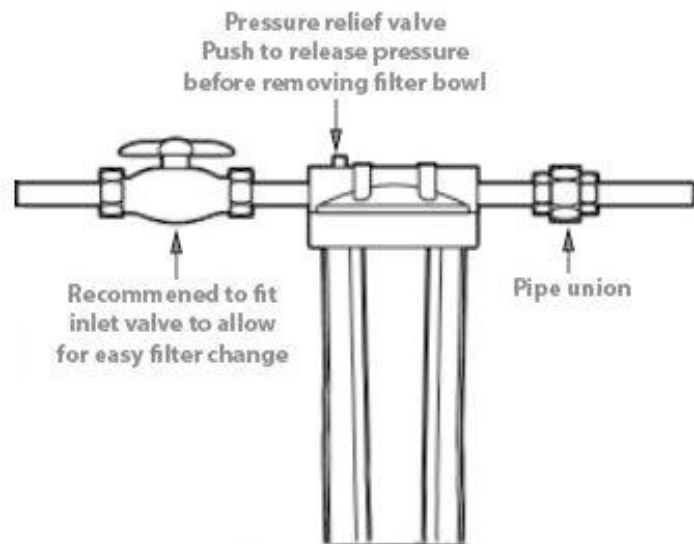
| Operating Parameters | |
|--|--|
| Model | DB10, DB20, DB10-PP, DB10-CTO |
| Filter Cartridge (Not included) | DB10 fits standard 10" x 4.5" filter cartridge DB20 fits standard 20" x 4.5" filter cartridge DB10 and DB20 do not include filter cartridges, other models include PP, CTO or other filter cartridges. |
| Connection Ports Inlet and Outlet | 1" female NPT thread |
| Feed Water Pressure | Ideal feed water pressure should be between 25 and 90 psi (170 to 620 kpa) The maximum system operating pressure is 90 psi (620kpa). Install a pressure regulator if exceeding this feed water pressure |
| Maximum Flow Rate | 20 gallons (76L) per minute |
| Feed Water Temperature | 41-100°F (5-38°C) |
| Material | Food Grade Polypropylene |
| pH Range | 6 to 11 |

Typical Installation

The following illustration is an example of a typical installation showing the SimPure® DB Whole House Filter Housing connected to your home's incoming main water supply.

Suppose you do not already have an isolation valve near the proposed DB Whole House Filter location. In that case, it is recommended to install a valve before the filter to allow easy and quick filter changes.

Ensure the filter housing is protected from the sun and freezing conditions, which can cause cracking of the housing and water leaks.

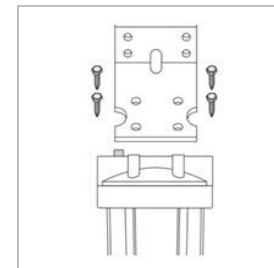


Check Space Requirements

Choose a position after the water meter and after any pressure tanks (if applicable). Determine and check the filter housing's size and position for proper installation into the chosen space and remember to leave enough space around the system for changing filters and maintenance. If mounting close to the ground, don't forget to leave at least 2-inches of clearance between the filter bowl and the floor to allow access to drop the filter bowl and change the filter cartridge.

Site Preparation

Before starting the installation, Isolate the cold-water supply.



Install filter cartridge in housing before proceeding with the installation.

Install mounting bracket to the head of the filter housing using the four provided screws



Wrap the Teflon tape around pipe threads of each fitting in a clockwise direction about ten times



Install Push Fittings to the inlet and outlet and tighten it with a wrench. **DO NOT OVERTIGHTEN.**

Installation Guide

Read the entire manual thoroughly before beginning your installation. Take note of the safety tips and follow all steps to ensure your system is installed correctly before use. Installation needs to comply with state and local laws and regulations; you must check and comply with all local plumbing codes. Warning: Massachusetts, USA, require installation by a licensed plumber. (plumbing code 248-CMR of the Commonwealth of Massachusetts)

Hand Tools Required

Essential hand tools are needed to install the SimPure® DB Whole House Filter Housing. An electric drill and drill bits suitable for mounting the filter bracket to the wall. Adjustable wrench, cross-head screwdriver (Phillips), Pipe cutter, or hacksaw



Plan your Installation

SimPure® DB Water Filter Housing needs to be installed in a protected area away from direct sunlight and frost on the incoming water supply pipe for your property, like a basement or utility room.

Installation

System Contents

Your SimPure® DB Whole House Water Filter was carefully assembled, packaged, and shipped, complete with all the parts you should require for a standard installation.



Unsure about something? Is there a problem?
Please contact SimPure® through our website or toll-free number.

Customer Service: service@simpurelife.com

Phone: +1-866-528-4572

Website: www.simpurelife.com

Installation Kit (supplied)

Carefully unpack your SimPure® DB Whole House Water Filter Housing. Layout the parts to familiarize yourself with the components and confirm all parts are present before you start the installation.

Please Note: Filter cartridge elements are not provided

| Package Contents List | |
|-----------------------|---|
| | Description |
| A | DB10 or DB20 housing |
| A1 | DB10 or DB20 housing + filter cartridge |
| B | DB Filter bowl wrench |
| C | DB Filter housing wall bracket |
| D | DB Screws x4 holds housing to the bracket |
| E | DB O-ring inside the filter housing |



Additional parts required (not supplied)

To complete the DB Whole house filter installation, make sure you have the following parts before starting the installation; depending on your application, the filter can be a Sediment or Carbon style filter.

| Parts required(not supplied) | |
|------------------------------|---|
| | Description |
| 1 | Filter cartridge element (Model DB10 and DB20 do not include) |
| 2 | Valve to isolate filter housing (Optional) |
| 3 | Plumbers PTFE Tape |
| 4 | PushFit connections for Filter housing ports x2 |



Filter Cartridge*
DB10 = 10" x 4.5" filter
DB20 = 20" x 4.5" filter



Optional: Isolation valve, Stop-Cock or valve or similar valve



Teflon thread tape



Fit copper, CPVC, and plastic PEX

***NOTE:** Choose the appropriate filter cartridge for your needs and install it according to the filter's instructions. Sediment filters are longer-lasting. Carbon filters tend to block quickly on high sediment water.