



FORTITUDE V SERIES

WHOLE HOUSE WATER FILTER

OWNER'S MANUAL



TABLE OF CONTENTS

- 2 INSPECTION & PREPARATION**
 - I. Be Familiar with the System Before Installation
 - II. System Operation Parameter and Installation checklist

- 3 INSTALLING THE SYSTEM**
 - STEP 1. Shutting off the main water supply valve
 - STEP 2. Mounting the system
 - STEP 3. Attaching the water supply pipe
 - STEP 4. Installing the filter
 - STEP 5. System startup

- 5 SYSTEM MAINTENANCE**
 - STEP 1. Shutting off the main water supply valve
 - STEP 2. Removing the filter housing
 - STEP 3. Install the new filter
 - STEP 4. System startup

- 6 LIMITED PRODUCT WARRANTY**

WELCOME

Thank you for choosing Aquasure. Before you starting using your Aquasure Fortitude V Series Whole House Water Filter. Please take a few minute to become familiar with the basics.

Filter replacement

Be Sure to change your Aquasure Filters according to the recommended filter replacement schedule. This help keep your Aquasure Whole House Water System running in top condition.



You can also visit online for system installation tutorial.
aquasureusa.com/support

INSPECTION & PREPARATION

I. Be Familiar with the System Before Installation



IMPORTANT! Please read the entire manual and become familiar with instructions and parts needed before proceeding with the installation.

Inspect the System

Please take the system and all the components out of the box. Inspect the system and all the connection fittings carefully, make sure nothing is damaged during shipping. If any part is cracked or broken, please do not proceed with the installation and contact Aquasure or your distributor for an exchange or diagnosis.

Recommended Tool List for System Installation Recommended Parts List for System Installation

- | | |
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| <ul style="list-style-type: none">• Variable Speed Drill• Drill Bit• Bolt Bit• Adjustment Wrench• Level Tool• Teflon Tape• Pen or Pencil | <ul style="list-style-type: none">• 1" Male Thread Adapter X 2• 1" Bypass Valve X 2 |
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II. System Operation Parameter and Installation checklist



IMPORTANT! The following condition for feed water supply must be met or warranty will be void and manufacturer assumes no responsibility for damage to system or property.

1. **Water Temperature Parameter**
 - Maximum: 100° F (37.8° C)
 - Minimum: 40° F (4.4° C)

2. **Water Pressure Parameter**
 - Maximum: 75 PSI (5.98 kg/cm²)
 - Minimum: 20 PSI (1.41 kg/cm²)

3. **pH Parameter**
 - Maximum: 10
 - Minimum: 5

4. **Pre-install environment checklist**
 - Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
 - Filtration system must not be installed at an area where it is exposed to direct sunlight and must be protected against freezing and extreme heat.
 - To prevent possible water damage, housing should be replaced every 4 years.

INSTALLING THE SYSTEM



IMPORTANT! Locate and test the main water supply valve to the housing before installing the system. If the main water supply valve fails to shut off the water completely during the test, we recommend contacting your local plumber to fix the valve before begin installing the system.

WARNING! If this system is install in a metal (Conductive) plumbing system, i.c. copper or galvanized metal, the plastic components of the system will interrupt the continuity of the plumbing system. As a result, any arrant electricity from improperly grounded appliances downstream or potential galvanic activity in the plumbing system can no longer ground through contiguous metal plumbing. Some homes may have been built in accordance with building codes, which actually encouraged the grounding of electrical appliances through plumbing. A grounded “jumper wire” bridging the equipment and reestablishing the contiguous conductive nature of the plumbing system must be installed prior to your system use.

Note: although not required, but we highly recommend installing a bypass before the system install to help ensure there’s no downtime for water usage during repairs or replacement of systems.

STEP 1. Shutting off the Main Water Supply Valve

1. Locate the main water supply valve of the house and turn off completely by turning the shut-off handle clockwise.
2. Test to see if the water is completely shut off by turning on the faucet in the cold water position. If the cold water cannot be shut off, please contact your local plumber to fix the valve before begin installing the system.

STEP 2. Mounting the System

1. With the included Lag Bolt and washer, install the bracket onto the housing cap.
Note: Bracket is already pre-installed on the system with dual housing.
2. Position the system on the wall at the desired mounting location with minimum of 6 in ground clearance from the floor to the base of the system.
3. Using a pen or pencil and mark the mounting hold on the back of the bracket onto the wall.
Note: Please make sure the bracket mount is leveled using a leveling tool to ensure evenly distributed stress on the bracket. Make sure the mounting point is position on a stud to properly secure the bracket.
4. Mount the system onto the wall using the provided Lag Bolt and Washer.

STEP 3. Attaching the Water Supply Pipe

1. Wrap the 1" male threaded fittings (Not Included) with 5 to 6 round of Teflon tape.
2. Attached the 1" male threaded fitting from the incoming supply plumbing to the **IN** port and **OUT** port of the system.

STEP 4. Installing the Filter

1. Unwrapped the filter and place it inside the housing and make sure the housing is centering on the stand pipe.
2. Screw on the housing with the filter inside and screw onto the corresponding head by turning it counterclockwise using the supplied housing wrench.
Note: Make sure the o-ring is inside the housing and do not over tightening the housing.

STEP 5. System Startup

WARNING! Immediately shut off the main water supply valve if there are leaks. Check the leak area and see if there's a loose connection or if more Teflon tape is needed to prevent leaks from happening.

1. Turn on the main water supply valve fully by turning it counterclockwise.
2. Check for leaks
3. Turn on the nearest faucet and let the water run for 10 minutes to release any trapped air bubble or carbon fine if a carbon filter is installed.

CONGRATULATIONS!

Your system is ready to use. Please document the filter installation time and replace the filter in the suggested replacement time.

SYSTEM MAINTENANCE

Note: Please make sure the bracket mount is leveled using a leveling tool to ensure evenly distributed stress on the bracket. Make sure the mounting point is position on a stud to properly secure the bracket.

STEP 1. Shutting off the Supply Water

Caution! Before working on any system maintenance, prepare clean cloth or microfiber towel to wipe off excess water that might spill during the filter replacement or system maintenance.

1. Turn the main water supply valve completely off by rotating it clockwise.
2. Turn on the nearest faucet to release any excess water and pressure that is built up inside the pipe.

STEP 2. Removing the Filter Housing

1. Press the red pressure relief button on the top of the housing cap to relief any pressure built up inside the system.
2. Using the housing wrench and turning it to the left to loosen
3. Discard the old filter and clean the inside of housing and cap with warm water.
Caution: Do not use any chemical to wash the housing.

STEP 3. Install the New Filter

1. Unwrapped the filter and place it inside the housing and make sure the housing is centering on the stand pipe.
2. Check the o-ring for cracks or damage. Replace o-ring if it is damaged.
3. Screw on the housing with filter inside to the corresponding head by turning it from left to right using the supplied housing wrench.
Note: Make sure the o-ring is inside the housing and do not over tightening the housing.

STEP 4. System Startup

1. Turn on the main water supply valve fully by turning it counterclockwise
2. Check for leaks
3. Turn on the nearest faucet and let the water run for 10 minutes to release any trapped air bubble or carbon fine if a carbon filter is installed.