

PFAS Filter Installation Guide



Questions?



Call us toll-free: 1-888-600-5426 or 1-831-462-8500



Email us: support@cleanwaterstore.com



See more information on our website: <https://www.cleanwaterstore.com/resource>

Table of Contents

Packing List	4
What to Do if Your Tank is Not Level	5
Pre-Installation	5
Best Practices for Piping & Drain Installation	5
How Your PFAS Works	6
Assembly and Installation Instructions	7
Maintaining Your PFAS Filter System	8
How to Add PFAS media to the PFAS Filter	9
Water Filters Limited Warranty	10

Packing List

All systems include:

Clack in-out control valve, bypass assembly with 1" connector yokes, top screen, media funnel for adding the PFAS media to the tank and the list from one of the following configurations:

PFAS Filter 1.0 cubic foot size

9" x 48" filter tank with distributor tube / bottom screen
Filter gravel (1 box 12 lbs.)
1 cubic foot of PFAS media

PFAS Filter 2.0 cubic foot size

12" x 52" filter tank with distributor tube / bottom screen
Filter gravel (1 box 20 lbs.)
2.0 cubic foot of PFAS media

PFAS Filter 3.0 cubic foot size

14" x 65" filter tank with distributor tube / bottom screen
Filter gravel (1 box 40 lbs.)
3.0 cubic foot of PFAS media

PFAS Filter 4.0 cubic foot size

14" x 65" filter tank with distributor tube / bottom screen
35 lbs. Filter gravel 1/8" x 1/4" Filter gravel (1 box 35lbs.)
4.0 cubic foot of PFAS media

PFAS Filter 5.0 cubic foot size

18" x 65" filter tank with distributor tube / bottom screen
Filter gravel 75 lbs
5.0 cubic foot of PFAS media

PFAS Filter 7.0 cubic foot size

21" x 62" filter tank with distributor tube / bottom screen
Filter gravel 100 lbs
7.0 cubic foot of PFAS media

PFAS Filter 10.0 cubic foot size

24" x 65" filter tank with distributor tube / bottom screen
Filter gravel 150 lbs
10.0 cubic foot of PFAS media

What to Do if Your Tank is Not Level

Your black filter tank base is not glued to the bottom of your tank. Occasionally tank bases will become crooked during shipment. If you find that your tank does not sit level on the floor, you can easily adjust it by holding the empty tank and gently knocking the base on a concrete or solid floor once or twice to level it.

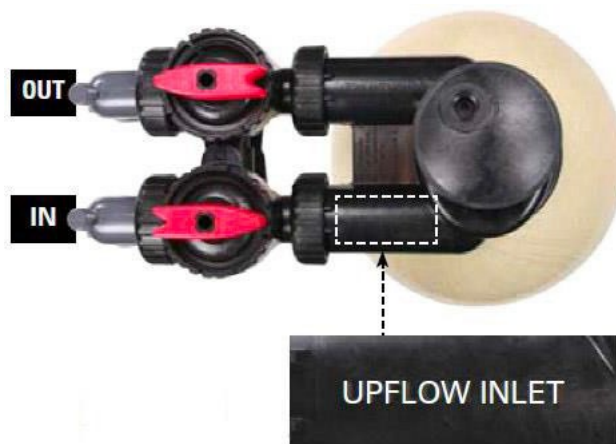
Pre-Installation

1. Review your packing list and make sure you have received all the parts before beginning installation.
2. If you are going to be turning off the water to the house and you have an electric water heater, shut off the power to the water heater before beginning installation in case the water heater is accidentally drained.
3. Pick a suitable location for your filter system on a dry level spot where it won't be exposed to freezing temperatures. A minimum of 20 PSI is required. Maximum pressure is 90 PSI.
4. Get your plumbing parts together before beginning installation. Installation typically takes 3 to 5 hours. However, after installation the Calcite PFAS Filter PFAS media must be rinsed well to remove fines.

After the system is installed and running, your water may be discolored or full of sediment or rust, particularly if this is older or corroded piping. This typically clears up over a day or two.

Best Practices for Piping & Drain Installation

1. If you are setting up your filter to be an Upflow filter, connect the **IN pipe to the Upflow Inlet** (on the right side when facing the pipe connectors), and then connect the **Out pipe to the Downflow Inlet (diagram below)**. The water should flow down the distributor tube and up through the filter media. The arrows may be facing either direction, so do not rely on the arrows.
2. Make sure there is a working gate or ball valve before the PFAS filter and one after. Pressure gauges are optional and perhaps not necessary but a hose bib (which is a faucet that you can attach a garden hose to) is required after the PFAS filter and before the second ball valve.

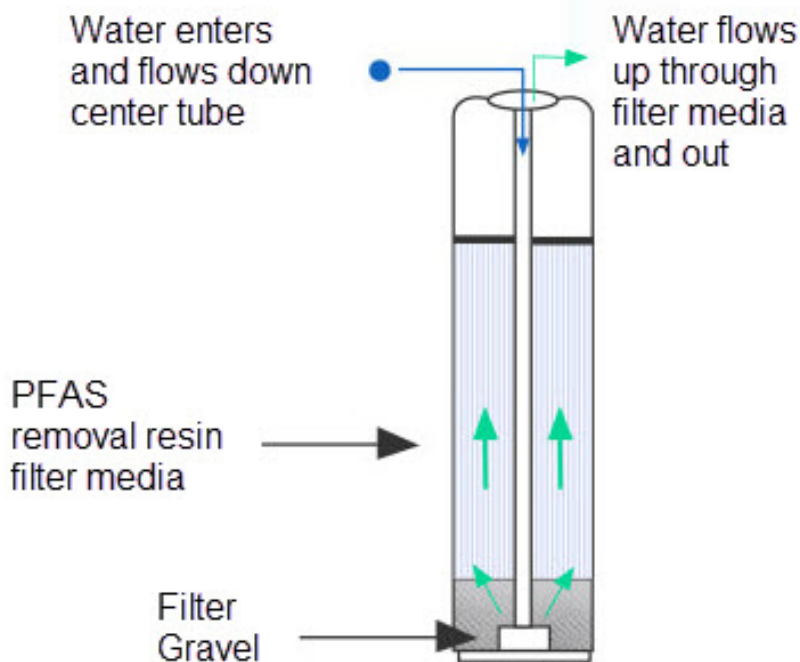


PFAS Filter Installation & Start-Up Guide

3. This hose bib allows you to flush and rinse your new PFAS filter on start-up and gives you a place to test the water before it enters your household plumbing. It also makes it much easier to perform maintenance, including replacing the PFAS media in the future.
4. If you will be using copper piping, do not sweat the copper pipe directly on to the PFAS. Avoid heating the plastic.

How Your PFAS Works

The water enters the top of the up-flow PFAS tank and flows down through the distributor tube and up through the PFAS media and to the home.

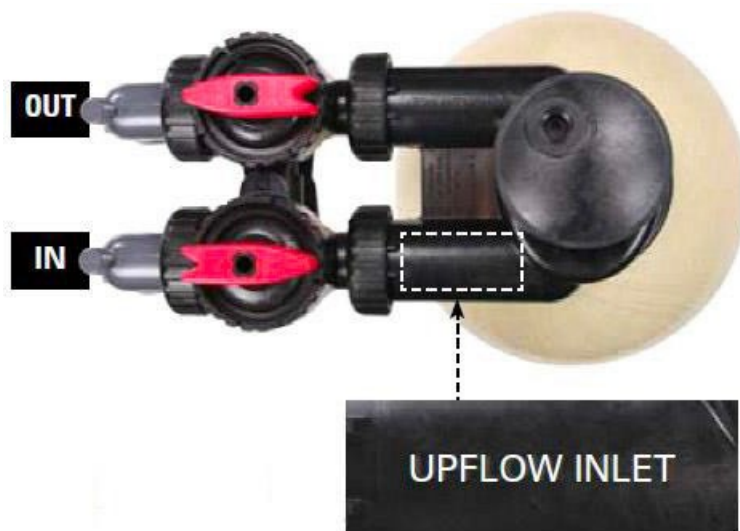


Assembly and Installation Instructions

1. Unscrew the top fitting on the tank by hand if it was shipped screwed on. Place the distributor tube in the tank and verify the top is flush with the tank. Cover the distributor tube with a plastic cap or tape so you do not get gravel or media inside the D tube. (Note: make sure to use a buddy tab on the tape so you can remove it without pulling up the D tube when removing).
2. Add your gravel to the tank. This should cover the bottom basket of the D tube.
3. Next add the PFAS media (Resintech Resin)
4. Be careful not to pull up the distributor tube when removing cap or tape.
5. Fill the tank completely with water. This will allow the PFAS media to settle and eliminate the need of “purging” the air out of the tank later
6. Attach plastic top screen to the under-side of the in-out head. It is a funnel-shaped plastic screen that snaps on to the control valve and prevents media from escaping from the filter tank.

PFAS Filter Installation & Start-Up Guide

7. Connect the **IN pipe to the Upflow Inlet** (on the right side when facing the pipe connectors), and then connect the **Out pipe to the Downflow Inlet (diagram below)**.



8. With the system on bypass, and the valve after the filter tank closed, open the hose bib tap after your filter and allow water to run for a couple of minutes to flush out any materials used in the piping.
9. Now take the PFAS off bypass. With the valve after the PFAS closed, allow the up-flow PFAS to flush for 10 to 20 minutes through the hose bib. The water may have a color at first but will turn clean with rinsing.

Maintaining Your PFAS Filter System

1. Test your water for PFAS regularly depending on the application but at least once a year before and after the system.
2. When necessary dump out and replace the Resintech Resin with new PFAS resin.

How to Add PFAS media to the PFAS Filter

1. Begin by putting the PFAS filter on bypass or turning the water pressure off before the PFAS.
2. Open a hose bib or faucet after the PFAS filter to de-pressurize the PFAS tank.
3. Unscrew the media fill plug with a channel lock or pliers and, using a tube or hose, siphon 2 to 3 gallons of water out of the filter tank.
4. If you don't siphon water out, when you add filter media, water will flow out the fill plug hole and flow onto the floor. If water on the floor is OK, then you do not have to siphon water out first before pouring PFAS media into top fill plug hole.
5. Add PFAS filter media until the tank is 2/3rds full. Do not over-fill; be sure to leave at least 12" of free space above media to allow room for the media to expand during a backwash.
6. Put the top fill plug back in. You can lubricate the O-ring with silicone lube, Do not use Teflon tape or plumbing grease.
7. Turn the water back on and run the water out of a hose bib or faucet after the PFAS until it is clear. This can take 10 - 20 minutes.

Water Filters Limited Warranty

We warrant this water filter/ softener/ conditioner, when installed according to factory recommendations, to be free from defects in materials and workmanship as follows:

Limited Warranty

This water conditioner unit is comprised of the finest industry components available. Each individual component used in the assembly of our equipment is covered by the original equipment manufacturer's warranty. All components, except those specifically listed below, are warranted for a period of one (1) year from date of installation to the original purchaser to be free of defects in materials and workmanship subject to the manufacturer's conditions and/or the conditions shown below.

Mineral Tanks

The fiberglass, polyglass or composite mineral tanks used in the assembly of this unit are warranted to be free of defects in materials and workmanship for a period of ten (10) years on 6" – 13" size tanks, and five (5) years on 14" and larger size tanks used for softener/filtration applications, subject to the manufacturer's conditions and/or the conditions shown below. Warranty does not cover exposure to weather, freezing, fractures caused by external impact, or exposure to vacuum.

Control Valves

The control valve is warranted to be free of defects in materials and workmanship for a period of five years subject to the manufacturer's conditions and/or the conditions shown below.

Conditions

1. This warranty only covers water conditioners installed for residential use. Water conditioners installed for commercial or industrial applications are guaranteed for one (1) year from the date of installation.
2. Installation must be made in accordance with legal or local codes and the manufacturer's recommendations.
3. Failure must not result from exposure to weather, rodents, misuse, alteration, fire, lightning, power surges or neglect.
4. Water pressure must not exceed 100 PSI and water temperature must not exceed 100 degrees.
5. Subject to the above terms and conditions we will replace and/or repair, at our option, any parts of the water conditioner found defective in materials and workmanship. Defective parts must be returned, freight pre-paid for repair or replacement.
6. This warranty does not cover labor, shipping charges, damages caused by delays of consequential damages or other causes beyond our control. The warranty does not cover pipes, fixtures or appliances. Warranty extends to the actual water conditioner components only and not health effects or water quality. Test your water regularly to verify operation, at least once a year.
7. This warranty is to the original purchaser and is not transferable after the third year to any subsequent owner(s).
8. No other guarantee or warranty, expressed or implied, is applicable to our product. No repair or replacement made under the terms of the warranty shall extend this warranty.