



Specifications, Installation and Start-Up Procedures For Non-Electric Whole House Filters

Safety Zone Whole House Filters

Our non-electric models do not require an electrical power source and do not require a drain. However, because non-electric filters do not have a drain, it is essential to follow the flushing instructions described below.

Important flushing instructions!

Prior to installation:
Connect a garden hose to the inlet of the filter and flush the filter until the water runs clear. (This may take 20 minutes or longer.)
Wait 24-48 hours to saturate the carbon before installation.



Flushing procedure.



Check closely for carbon fines.



KDF Filter Media

KDF filter media is added to “enhance” performance as a pre-filter to the carbon, remove or reduce heavy metals and prevent the carbon bed from fouling.

Filters remove and reduce Chlorine, Chloramines, chemicals, tastes, odors and heavy metals.

Specifications

Valve type	In / Out head
Valve size	1"
Pipe fittings available	¾", 1", 1.25" and 1.5"
Riser tube size	1.05"
Filtration media	Catalytic activated carbon
Additional treatment	KDF-55 filter cubes
By-pass valve	Included
Direction of flow	Down flow
Use	City or community water

After flushing the filter, wait 24 to 48 hours before you install the filter to fully saturate the carbon. Drain tank to take to the filter to your job site, and follow the installation procedures described on page 2.

Non-Electric Whole House Filter Installation Overview

General: When installing a water conditioner and a filter together, always install the filter first. Be sure to test the water since you will need this information to properly program the control valve (with water softeners).



Installation

Follow all plumbing codes. Shut off water supply to the house and open faucets to drain down the system. Next, proceed as follows:

1. Install pipe fittings (ordered separately).
2. Install filter on the main water line before the water heater and before a softener.
3. Connect the inlet pipe to the inlet of the filter for **DOWN FLOW**.
4. Install a pressure release valve if pressure may exceed 125 psi.
5. Do not install filter where temperature exceeds or is below limits (40° F - 110° F)

Before Start-Up

Follow flushing instructions and soak the carbon 24 to 48 hrs.

Start up

1. Supply water to the filter.
2. Slowly open the red **DOWN FLOW** inlet valve on the by-pass.
3. Allow the filter tank to fill slowly.
4. Next, open the outlet of the filter to supply water to the house.
5. Go in house to be sure water is running clear.



Filters come with by-pass valves.

Suggestion

Install a hose bib and shutoff valve after the filter to flush the filter, should carbon fines be in your water. (Indicating the initial flush may not have been sufficient.) Install the hose bib first and the shut off valve, second.



Customer orientation

It is important to provide customers with an initial orientation. This should include how the system works and when media replacement will be necessary.

Carbon replacement

Use test strips or a test kit to test for Chlorine to know when carbon replacement is necessary.

Warranty

Safety Zone Water Systems come with a limited warranty. Five years for valves, and ten years for tanks.

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