



# 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 outlet of the filter and flush the filter until the water runs clear. (This may take 20 minutes or longer.)



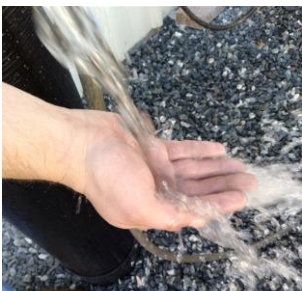
## KDF Filter Cubes

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



Flushing procedure.



Check closely for carbon fines.

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 hose bib after the filter to flush the filter using a garden hose.
5. Install a shut off valve after the hose bib to direct water to the hose bib for flushing.
6. Install a pressure release valve if pressure may exceed 125 psi.
7. 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.

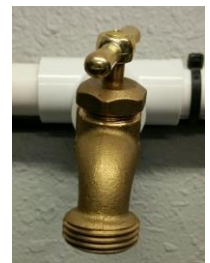
## Start up

1. Supply water to the filter.
2. Connect a garden hose to the hose bib for flushing.
3. Open the hose bib and close the shut off valve in the outlet pipe.
4. Slowly open the red **DOWN FLOW** inlet valve on the by-pass.
5. Allow the filter tank to fill slowly.
6. **Allow the filter to flush until the water runs clear.**
7. When the water is clear, shut off the hose bib, open the Shut-off valve and remove the garden hose.
8. Finally, open the outlet of the filter to supply water to the house.
9. Go in house to be sure water is running clear.

**Install a hose bib and shutoff valve after the filter to flush the filter.**



Filters come with by-pass valves.



## Water test

We recommend you test for:

- Hardness
- Chlorine
- pH



## 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.

## Warranty

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

## Safety Zone Water Systems, LLC

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