



# SpringWell

WATER FILTRATION SYSTEMS



## Installation Instructions

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### WHOLE HOUSE WATER FILTER

MODELS: CF1, CF4, CF+

SpringWell whole house water filters use the highest quality of coconut catalytic carbon that target the contaminants that we find in our water supplies today. Our systems are manufactured in an up-flow design giving the influent water optimal contact time so we can reduce as many contaminants as possible. Our catalytic carbons have an extremely fast reaction time which means more contaminant removal, even in a high flow installation.



CUSTOMER SERVICE IS AVAILABLE MON-FRI 9AM-6PM EST



**800-589-5592**

[WWW.SPRINGWELLWATER.COM](http://WWW.SPRINGWELLWATER.COM)

# Whole House Filter Setup And Installation

Scan for Installation video



Scan for Installation video

Or click [HERE](#)

## System Contents



Carbon Filter Tank (CF)



Sediment Filter Housing



Sediment Filter



Spanner Wrench



Mounting Bracket



MNPT Fittings (x2)



Tank Head for (CF)



Gasket and Lube



Hose Bib Assembly



Bypass Valve\*

\*Not applicable for CF+

## System Compatibility



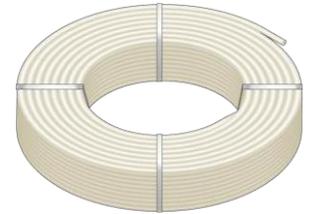
Corrugated Water Connectors



PVC



Copper



Pex

These instructions will feature a combination of PVC and threaded water connectors. But, note that this system is compatible with multiple types of connections

## System Configuration



# Whole House Filter



PLEASE READ INSTRUCTIONS FULLY PRIOR TO ATTEMPTING INSTALLATION. Be sure to follow all applicable plumbing codes. The system must be installed on a main water supply line



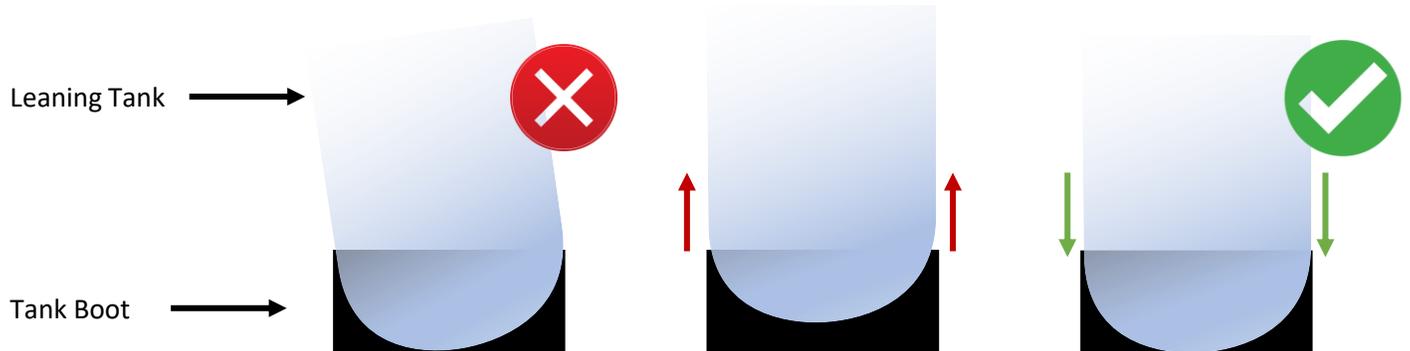
Caution: Do not install on well water unless you have spoken to a customer service representative first.

## Product Specs



	CF1	CF4	CF+
Tank Width	9"	10"	13"
Tank Height	48" (52" with Head)	54" (58" with Head)	54" (58" with Head)
Flow Rate	9 GPM Service	11 GPM Service	20 GPM Service
Connection Size	1"	1"	1.5"
Operating Pressure	25-80 PSI	25-80 PSI	25-80 PSI
Operating Temperatures	36 – 120 F	36 – 120 F	36 – 120 F
Sediment Filter Change/Replacement	Every 6-9 Months	Every 6-9 Months	Every 6-9 Months
Media Change/Replacement	Every 6 years or 1 Million Gallons	Every 6 years or 1 Million Gallons	Every 6 years or 1 Million Gallons

## Level Tanks



If the tank is not perfectly straight, carefully lift the tank straight up a few inches and tap it on the ground until the tank stands vertically and fits snugly into the tank boot.

# Whole House Filter

## Installing the Head on the CF1-CF4 (Carbon Filter) Tank

This step will require the materials listed below

CF+ tank pre-installed

Carbon Filter Tank



Tank Head



1) Unscrew the cap on top of the carbon filter tank.



2) Discard the cap as it is no longer required.



3) Locate the tank head and note the label discussing the necessary 48-hour pre-soak.



4) Align the opening on the bottom of the tank head with the pipe inside the tank.



5) Press the tank head down to allow the threads to catch.



6) Turn the tank head clockwise until it is fully tightened.



7) Insert a blunt tool into one of the connections on the head. A screwdriver handle will work.



8) Use your feet around the boot to add grip to the tank.



9) Grip the tank and use the screwdriver as leverage to fully tighten the head.



**ONCE THE HEAD ATTACHES TO THE PIPE INSIDE THE TANK IT IS PERMANENT. Do not attempt to unscrew or remove the head from the tank or it will cause the components within the tank to separate causing damage and potentially cause resin to seep from the tank into your home plumbing.**

# Whole House Filter



**IMPORTANT!** The carbon media inside the filter system **MUST** soak in water for a minimum of 48 hours prior to installation

## Carbon Soak Instructions (48 Hours Prior)

This step will require the materials listed below



Carbon Filter Tank (CF)



Bypass Valve\*

\*Not applicable to CF+



Hose Bib Assembly



MNPT Fittings (x2)



Lawn Hose Connected to Faucet

### Bypass Operation



Bypass on, water does not flow through tank



Bypass off, water flows through tank



10) Insert the bypass valve onto the connections of the tank head and press in place.



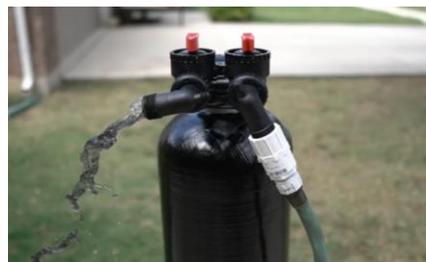
11) Fully tighten the fasteners on both valve connections securing the bypass valves.



12) Attach and tighten a MNPT Fitting onto the connections on each of the bypass valves.



13) Use the hose bib to attach the lawn hose to the inlet on the first tank. Ensure the bypass is off to allow water flow through the tank.



14) Turn on the water to the hose halfway until water exits the tank. Turn off the water and disconnect the hose.



15) Switch the tank to bypass and store for 48 hours.

# Whole House Filter



**IMPORTANT!** The carbon media in the tank must be flushed prior to installation

## Carbon Flush Instructions

This step will require the materials listed below



Carbon Filter Tank (CF)



Hose Bib Assembly



Lawn Hose Connected to Faucet

### Bypass Operation



Bypass on, water does not flow through tank



Bypass off, water flows through tank



16) After the necessary 48-hour pre-soak. Attach the hose bib assembly and water hose onto the inlet port on the tank.



17) Switch off the bypass on the tank. Note: Some water may be released from the 48-hour pre-soak.



18) Turn on the water and allow the tank to flush for about 3-5 min. Until the water runs clear.



19) Switch the hose bib assembly and the hose to the outlet side of the tank.



20) Flush with water in the opposite direction until the water runs clear. Approx. 3-5 min. Once done the hose and hose bib assembly can be removed.



Note: The neoprene jacket that was shipped with the tank can now be zipped onto the tank. The Springwell logos should face forward.

# Whole House Filter

## Prepping the Sediment Filter

This step will require the materials listed below



Sediment Filter Housing



Sediment Filter



O-Ring w/Lube



21) Unscrew the lid from the sediment filter Housing.



22) The O-ring will now be laid into the groove around the top of the sediment filter Housing tank.



23) Squeeze lubricant onto the O-ring then spread it using your finger.



24) Flip the O-Ring over and lubricate the opposite side as well.



25) Insert the Sediment Filter into the sediment filter Housing.



26) Replace the lid and fully tighten it

# Whole House Filter

## Installing the Sediment Filter

This step will feature the materials listed below



Prepped Sediment Filter Housing



Spanner Wrench



Mounting Bracket



Drill with 3/16" drill bit



1-inch or 1-1/2 inch (3-inch long) PVC Nipples (x2)\*

*Items below not included*



27) Note: Plumbers tape will need to be applied to all PVC threads during the installation.



28) Install a PVC nipple onto each the inlet and outlet of the sediment filter housing. Fully tighten using pliers avoiding damage to the threads on the PVC nipples.



29) Identify the optimal area to mount the sediment filter. Ensure that it aligns to allow room for the carbon filter tank ahead of the sediment filter. Also note that the distance from the outlet of the sediment filter is close enough to the pre-plumb. Mark your holes for pre-drilling.



30) Use a 3/16" drill bit to pre-drill the holes for the sediment filter mounting bracket. Use 4 of the provided bolts and washers to secure the bracket to the wall using a 1/2" socket.



31) Before mounting the sediment filter, identify the inlet and outlet by using the markings on top. Be sure to orient it so the incoming water can be connected to the inlet.



32) Use the remaining 4 bolts to secure the sediment filter to the mounting bracket.

# Whole House Filter

## Installing a Shut Off Valve



**IMPORTANT!** Be sure to turn off the water main to your home before proceeding to the next steps!



1-Inch or 1/2 inch PVC Shut Off Valve\*



1-inch or 1-1/2 inch (24-inch Long) Corrugated Water Connectors (x1)



Wrench and Pliers



Plumbers Tape

**\*A shut off valve ahead of the system is recommended for easy maintenance.**

Items shown not included



33) Expose the pre-plumb and prep to connect the system. Threaded adapters are used in this example.



34) 1" threaded adapters are featured in this guide and are installed on the incoming water supply with the threads towards the location of the carbon tank.



35) Point the threaded adapter for the opposite end of the pre-plumb towards sediment filter outlet connection.



**NOTE:** Plumbers tape will need to be applied to every thread when connecting all corrugated pipes.



36) It is suggested to connect a PVC shut off valve onto the threaded adapter from the incoming water supply. Ensure it is fully tightened.



37) Connect a PVC nipple to the other end of the PVC shut off valve. Ensure it is fully tightened.



38) Connect a corrugated pipe to the PVC nipple. Ensure it is fully tightened.

# Whole House Filter

## Installing the Tank

This step will feature the materials listed below



Carbon Filter Tank (CF)



Plumbers Tape



Wrench



1-inch or 1-1/2 inch (24-inch Long) Corrugated Water Connectors (x2)



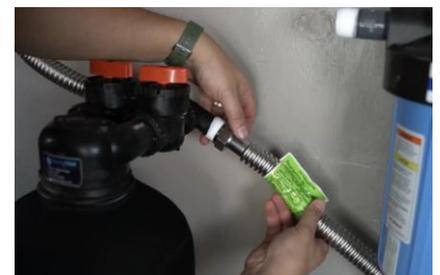
39) Apply plumbers' tape to the inlet and outlet connections on the carbon filter tank.



40) Position the carbon filter tanks next to the sediment filter. Ensure the connections on the tank are facing backwards against the wall.



41) Connect the corrugated pipe from the shut off valve to the inlet on the Carbon filter tank. Ensure it is fully tightened.



42) Connect another corrugated pipe to the outlet side of the carbon filter tank. Ensure it is fully tightened.



43) Connect the other end of that corrugated pipe to the inlet side of the sediment filter. Ensure it is fully tightened.



44) Connect a third corrugated pipe to the outlet from the sediment filter. Ensure it is fully tightened.



45) The other end of that corrugated pipe will be connected to the pre-plumb that leads into the home.

# Whole House Filter

## Testing the System



Note: Your system should look similar to this.



46) Before turning the water back on to the home, use the provided spanner wrench to fully tighten the sediment filter housing.



47) While the water is still off, open a cold bathtub faucet all the way.



48) Ensure the shut off valve to the system is closed (1), and that the bypass valves on the carbon filter tank is set to bypass (2). Turn the water back onto the home and inspect the shut off valve for leaks.



49) If no leaks are detected, open the shut off valve and allow water to flow through the system. Check the connections for leaks.



50) If no leaks are detected, open the bypass valve to allow water flow through the tank.



Note: If you see water seeping out from beneath the tank head, please proceed to the next page for the solution.



51) Allow water to run through the system for 5-10 minutes. It is normal to see a small amount of sediment during this time.



Congratulations, Your installation is complete.

# Whole House Filter

## Water Leaking from Tank Head



Water leaking from the tank head collar indicates the head is either not tight enough, or that the O-ring became bunched.



Turn the shut off valve to the off position.



Disconnect the carbon filter tank from the system



Slowly unthread the head from the tank approx. half a rotation.



You only need to expose a small gap between the tank collar and the tank head.



Fully re-tighten the head onto the tank. The O-ring will now be able to reset.



Reconnect the tank to the system and proceed back to page 11 to test the system again.