Installation Instructions

WHOLE HOUSE WATER FILTER
MODELS: CF1, CF4

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
Whole House Filter
Setup And Installation

System Contents

- Carbon Filter Tank (CF)
- Pre-Filter
- Sediment Filter
- Tank Head for (CF)
- Spanner Wrench
- Gasket and Lube
- Mounting Bracket
- MNPT Fittings (x2)
- Hose Bib Assembly
- Bypass Valve

Recommended Supplies

- 1-inch (24-inch Long) Corrugated Water Connectors (x3)
- 1-inch (3-inch long) PVC Nipples (x3)*
- 1-inch threaded connectors for pre-plumb (slip/threaded elbows shown)
- 1 Roll Plumbers Tape
- 1-Inch PVC Shut Off Valve*

*The quantities are suggestions. Your system configuration may vary depending on installation area.

System Configuration

1. Water Source From Outside Home
(1) Water from your source will begin by entering the Pre-Filter

2. Filtered Water Into Home
(2) The Media Filter will be the second tank and will remove chemicals such as chlorine

Questions? Call (800)-589-5592
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

<table>
<thead>
<tr>
<th>CF1</th>
<th>CF4</th>
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</thead>
<tbody>
<tr>
<td>Tank Width</td>
<td>9”</td>
</tr>
<tr>
<td>Tank Height</td>
<td>48” (52” with Head)</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>9 GPM Service</td>
</tr>
<tr>
<td>Connection Size</td>
<td>1”</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>25-80 PSI</td>
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<tr>
<td>Operating Temperatures</td>
<td>36 – 120 F</td>
</tr>
<tr>
<td>Pre-Filter Change/Replacement</td>
<td>Every 6-9 Months</td>
</tr>
<tr>
<td>Media Change/Replacement</td>
<td>Every 10 years or 1 Million Gallons</td>
</tr>
<tr>
<td>Tank Width</td>
<td>10”</td>
</tr>
<tr>
<td>Tank Height</td>
<td>54” (58” with Head)</td>
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<tr>
<td>Flow Rate</td>
<td>11 GPM Service</td>
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<tr>
<td>Connection Size</td>
<td>1”</td>
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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.

Questions? Call (800)-589-5592
Installing the Head on the CF (Carbon Filter) Tank

This step will require the materials listed below

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 remove the shipping label.
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. Hand tight is OK.

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.

Questions? Call (800)-589-5592
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
- Hose Bib Assembly
- MNPT Fittings (x2)
- Lawn Hose Connected to Faucet

7) Insert the bypass valve onto the top of the tank.

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

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

10) 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.

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

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

Questions? Call (800)-589-5592
IMPORTANT! The carbon media must be flushed on both tanks prior to install

**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

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

14) Attach the hose bib assembly onto the inlet port on the tank.

15) Connect the hose to the hose bib assembly.

16) Run water through the tank until the water runs clear.

17) Switch the hose and hose bib to the outlet side now and flush with water in the opposite direction until the water runs clear.

Questions? Call (800)-589-5592
Prepping the Pre-Filter

This step will require the materials listed below

- Pre-Filter Housing
- Sediment Filter
- O-Ring w/Lube

Note: The tank has a stainless-steel sleeve that is covered in protective plastic. Please remove the plastic prior to install. The sleeve can be maintained and polished using automobile wax.

19) Unscrew the lid from the pre-filter Housing.

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

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

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

23) Insert the Sediment Filter into the pre-filter Housing.

24) Replace the lid and fully tighten it.

Questions? Call (800)-589-5592
Installing the Pre-Filter

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

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

27) Identify the optimal area to mount the pre-filter. Ensure that it aligns to allow a connection from the pre-plumb into the inlet of the pre-filter. Mark your holes for pre-drilling.

28) Use a 3/16” drill bit to pre-drill the holes for the pre-filter mounting bracket.

29) Use 4 of the provided bolts and washers to secure the bracket to the wall using a 1/2” socket.

30) Before mounting the pre-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.

This step will require the materials listed below:

- Prepped Pre-Filter Housing
- Spanner Wrench
- Mounting Bracket
- Drill with 3/16” drill bit
- 1-Inch PVC Shut Off Valve*
- 1-inch (3-inch long) PVC Nipples (x3)*
- 1-inch (24-inch Long) Corrugated Water Connectors (x1)
- Plumbers Tape
- Wrench and Pliers

Questions? Call (800)-589-5592
31) Use the remaining 4 bolts to secure the pre-filter to the mounting bracket.

32) Expose the pre-plumb and prep to install the threaded adapters.

33) Install a 1” threaded adapter on the incoming water supply and point the threads towards the pre-filter.

34) Point the threaded adapter for the opposite end of the pre-plumb towards the tank connections.

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

36) Connect the PVC shut off valve onto the threaded adapter on the incoming water supply.

37) Connect a PVC nipple to the other end of the PVC shut off valve.

38) Connect a corrugated pipe to the PVC nipple.

39) Connect the other end of the corrugated pipe to the inlet on the pre-filter.

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

This step will require the materials listed below:

- Carbon Filter Tank (CF)
- Plumber's Tape
- Wrench
- 1-inch (24-inch Long) Corrugated Water Connectors (x2)

40) Apply plumber's tape to the inlet and outlet connections on the carbon filter tank.

41) Position the carbon filter tanks next to the Pre-Filter. Ensure the connections on the tank are on the backside against the wall.

42) Connect the corrugated pipe to the outlet on the pre-filter.

43) Connect the other end of that pipe to the inlet on the carbon filter tank.

44) Connect a corrugated pipe to the other connection on the pre-plumb.

45) Connect the other end to the outlet on the carbon filter tank.

46) The connections should be similar to this.
Whole House Filter

Testing the System

47) Before turning the water back on to the home, use the provided spanner wrench to fully tighten the pre-filter housing.

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

49) 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.

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

51) 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.

52) 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.
Water Leak 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 reseat.

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