Installation Instructions

Filter Softener Combo
Models: MMV-1  MMV-4

Our #1 selling Whole House Water Filter combined with our State Of The Art salt based water softener in one combo tank! Enjoy clean, fresh filtered and softened water through your entire house. Save space versus two tank combo systems. All with an Industry Leading Warranty!

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

800-589-5592

WWW.SPRINGWELLWATER.COM
Filter Softener Combo
Setup And Installation

System Contents

- 50' Drain Line
- MNPT Fittings (x2)
- Bypass Valve
- Pre-Filter
- Sediment Filter
- Spanner Wrench
- Combo Filter Softener Tank
- Brine Tank
- Electronic Head
- Power Supply
- Hose Clamp
- Gasket and Lube
- Mounting Bracket

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

Water source from outside home

(1) Water from your source will begin by entering the pre-filter.

(2) Water is then filtered and softened by the combo tank.

(3) Salt from the brine tank will regularly regenerate the media in the combo tank.

Filtered and softened Water into the home

Questions? Call (800)-589-5592
Filter Softener Combo

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></th>
<th>MMV-1</th>
<th>MMV-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank Width</td>
<td>10”</td>
<td>13”</td>
</tr>
<tr>
<td>Tank Height</td>
<td>54” (57” with head)</td>
<td>54” (57” with head)</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>11 GPM</td>
<td>15 GPM</td>
</tr>
<tr>
<td>Connection Size</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>Backwash Rate</td>
<td>4 GPM</td>
<td>5 GPM</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>25-60 PSI</td>
<td>25-60 PSI</td>
</tr>
<tr>
<td>Operating Temperatures</td>
<td>36°-120° F</td>
<td>36°-120° F</td>
</tr>
<tr>
<td>pH Range</td>
<td>6-10</td>
<td>6-10</td>
</tr>
<tr>
<td>Grain Capacity</td>
<td>32k</td>
<td>48k</td>
</tr>
<tr>
<td>Brine Tank</td>
<td>15” w x 17” d x36” h</td>
<td>15” w x 17” d x36” h</td>
</tr>
</tbody>
</table>

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.
Filter Softener Combo

Prepping the Pre-Filter

This step will require the materials listed below

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

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

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

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

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

6) Replace the lid and fully tighten it.

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

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrench and Pliers</td>
<td></td>
</tr>
<tr>
<td>Drill with 3/16” drill bit</td>
<td></td>
</tr>
<tr>
<td>1-Inch PVC Shut Off Valve*</td>
<td></td>
</tr>
<tr>
<td>1-inch (3-inch long) PVC Nipples (x3)*</td>
<td></td>
</tr>
<tr>
<td>Prepped Pre-Filter Housing</td>
<td></td>
</tr>
<tr>
<td>Spanner Wrench</td>
<td></td>
</tr>
<tr>
<td>Mounting Bracket</td>
<td></td>
</tr>
<tr>
<td>1-inch Corrugated Water Connectors (x1)</td>
<td></td>
</tr>
<tr>
<td>Plumbers’ Tape</td>
<td></td>
</tr>
</tbody>
</table>

### Instructions:

7) Note: plumbers’ tape will need to be applied to all PVC threads during the installation.

8) 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.

9) Apply plumbers’ tape to the threads on the PVC nipples.

10) 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.

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

12) Use 4 of the provided bolts to secure the bracket to the top of the pre-filter wall using a 1/2” socket.

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Filter Softener Combo

Installing the Pre-Filter (cont.)

13) Use the remaining 4 bolts and washers to secure the pre-filter to the wall.

14) Use the spanner wrench to fully tighten the pre-filter housing.

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

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

17) Point the threaded adapter for the opposite end of the pre-plumb towards the area the tank will be placed.

NOTE: Plumbers’ tape will need to be applied to every thread when connecting all corrugated pipes and pipe nipples.

18) Connect the PVC shut off valve onto the threaded adapter on the incoming water supply. Fully tighten.

19) Apply plumbers’ tape to the third PVC nipple. Then connect the PVC nipple to the other end of the PVC shut off valve. Fully tighten.

20) Connect a corrugated water connector between the shut off valve and to the inlet on the pre-filter. Be sure to fully tighten.

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

Questions? Call (800) 589-5592
Installing the Softener Electronic Head

21) Unscrew the cap on top of the combo tank.

22) There is a blue cap inside that also needs to be removed. Both caps can be discarded.

23) Locate the opening at the bottom of the electronic head.

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

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

26) Turn the tank head clockwise until it is fully tightened. Hand tight is OK.

Questions? Call (800)-589-5592
Filter Softener Combo

Installing the Softener Electronic Head

27) Install the blue bypass valves onto the connections of the electronic head.

28) Insert the rubberized connections of the bypass valves into the head connections and press in place.

29) Fully tighten both fasteners on the bypass valves securing them to the tank head.

30) Attach and tighten both MNPT Fittings onto the connections on each of the bypass valves.

31) Apply plumbers’ tape to the threads on both MNPT Fittings.

Questions? Call (800)-589-5592
Installing the Tank

This step will require the materials listed below

- Combo Filter Softener Tank with Head
- Plumbers Tape
- Wrench
- 1-inch Corrugated Water Connectors (x2)

32) Position the combo tank next to the Pre-Filter. Ensure the connections on the tank are on the backside against the wall.

33) Connect the corrugated pipe to the outlet on the pre-filter. Be sure to fully tighten.

34) Use the arrows on the tank head to identify the in flowing and out flowing water connections.

35) Connect the corrugated water connector from the pre-filter to the in flowing side of the tank. Be sure to fully tighten.

36) Connect a third corrugated water connector to the outflow connection of the tank head. Fully tighten.

37) Prep the threads on the pre-plumb leading back into the home with plumbers’ tape.

38) Connect the corrugated water connector from the outflow connection on the tank to the pre-plumb connection leading into the home. Fully tighten.

Questions? Call (800)-589-5592
Connecting Tank Drain Line

This step will require the materials listed below:

- 50’ Drain Line
- Zip Ties
- Hose Clamp

39) Locate the drain on the left side of the electronic tank head on the combo tank.

40) Pull out the blue tab behind the drain valve, then pull the valve out from the tank head.

41) Slide the provided hose clamp over the end of the drain line.

42) Press the drain line over the barbed end of the drain valve you pulled out of the tank head.

43) Align the hose clamp over the connection, then align the screw on the hose clamp so that it runs parallel to the connection on the drain valve. Tighten the clamp.

44) Insert the drain valve back into the tank head. Ensure the drain line isn’t pinched.

45) Insert the blue tab to lock the drain valve back in position.

Questions? Call (800)-589-5592
Connecting Tank Drain Line

46) Lead the hose to the drain and trim away the excess.

47) To ensure the drain line doesn’t come out from the drain a pair of zip ties is recommended. They can be inserted through two pairs of holes drilled high up in the drainpipe.

48) Pushing the zip ties inwards will create a loop.

49) Insert the drain line into the zip tie loops and secure in pace. The excess can then be trimmed off the zip ties.

50a) Ensure there are no kinks or pinches to the drain line.

50b) Ensure there are no kinks or pinches to the drain line.

IMPORTANT! Ensure the drain line you installed is not pinched or kinked or it will impede the flow of water from the system.
## Installing the Brine Tank

This step will require the materials listed below:

- Combo Filter Softener Tank w/ head
- Brine Tank
- 50’ Drain Line
- Zip Ties

### Instructions:

1. Position the brine tank next to the combo tank with the brine tank drain valve pointing towards the combo tank.
2. Remove the cap to the white brine well inside the tank.
3. Identify the smaller hole in the side of the brine well.
4. Align the hole with the threaded drain on the side of the tank.
5. Place and hold the white plastic nut over the threads of the drain line.
6. Rotate the drain on the outside of the tank to thread the plastic nut securing the brine well.

Questions? Call (800)-589-5592
57) Locate the black regen line leading out from the tankhead.

58) Insert the regen line into the brine tank through the opening above the drain line you installed earlier.

59) The regen line will be inserted to the connection just inside the brine well. Push the line all the way in. Once inserted it will be secure.

60) Replace the lid to the brine well.

61) Press the remaining drain line over the barbed valve leading out from the brine tank.

62) Use the previous step to secure the drain line to the drainpipe.

63) The brine tank will need to be filled with 4 to 5 bags of salt pellets.

64) The lid to the brine tank can be replaced.
Filter Softener Combo

Powering the Tank Head

This step will require the materials listed below

- Combo Filter Softener Tank w/head
- Power Supply
- 9V Battery

65) The power cord will be connected to the connection on the far left beneath the electronic tank head.

66) The power adapter will then be plugged into a power supply that isn’t controlled by a switch.

67) Lift off the cover to the electronic head.

68) Locate the battery connection beneath the display. Connect a 9v battery.

69) Replace the tankhead cover.

Questions? Call (800)-589-5592
Testing the System

70) Before turning the water back on to the home, double check to ensure the pre-filter is fully tightened.

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

72) Before turning the water back onto the home ensure the shut off valve is in the off position.

73) Also ensure the softener tank is set to bypass.

74) Turn on the water to the home and inspect the shut-off valve for leaks.

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

76) Inspect all connections and pre-filter housing for leaks. If any leaks are detected troubleshoot for loose connections.

77) If no leaks are detected, open the tank bypass and allow water to flow through the combo tank.

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

Questions? Call (800)-589-5592
Setting Softener Values

This step will require the materials listed below:

- Combo Filter Softener Tank w/head (powered)
- Mobile Device

Note: The electronic tank head must be powered and installed prior to setting the tank values.

79) Look up “Legacy View” in the app store and install it.

80) Open the app and select your softener from the list.

81) Tap “Time of Day on Unit” to change the time.

82) Select “OK” to set the time on to the same time as your device.

83) To modify the regen time tap on that tile. 2:00am is the default time.

84) Note: You want the system to regen while water is not being used.

85) Tap “Water Hardness” to correct the value to your conditions.

86) Enter the value from your hard water test.

Questions? Call (800)-589-5592
87) Select the menu icon in the upper left-hand corner.

88) Select “Advanced Settings.”

89) Tap “Regeneration Day Override.”

90) Change the value to 14 days.

91) Tap “Reserve Capacity.”

92) Change the value to 10%.

93) Tap “Resin Grains Capacity.”

94) Change the value to 32 for 32,000.

95) Select “Brine Refill.”

96) Change the value to 8 min.

97) Recap of settings for MMV-1 system.

Next Steps 93 to 97 are for MMV-1 Systems. Skip to step 98 for MMV-4 systems.

Questions? Call (800)-589-5592
## Setting Softener Values

### Next Steps 98 to 102 are for MMV-4 Systems.
Refer to step 93 for MMV-1 systems.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>98)</td>
<td>Tap “Resin Grains Capacity.”</td>
</tr>
<tr>
<td>99)</td>
<td>Enter 48 for 48,000.</td>
</tr>
<tr>
<td>100)</td>
<td>Select “Brine Refill.”</td>
</tr>
<tr>
<td>101)</td>
<td>Set the value to 10 minutes.</td>
</tr>
<tr>
<td>102)</td>
<td>Correct values for MMV-4 system.</td>
</tr>
<tr>
<td>103)</td>
<td>Tap the menu icon in the upper left-hand corner.</td>
</tr>
<tr>
<td>104)</td>
<td>The next step will force you to regen your system. During this time you will not be able to use your water for 90 minutes.</td>
</tr>
<tr>
<td>105)</td>
<td>Select “Regenerate Now.”</td>
</tr>
<tr>
<td>106)</td>
<td>Select “OK” from the pop up and the system will regen for 90 minutes.</td>
</tr>
<tr>
<td>107)</td>
<td>Once the regen is done, your system is ready to use.</td>
</tr>
</tbody>
</table>