



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

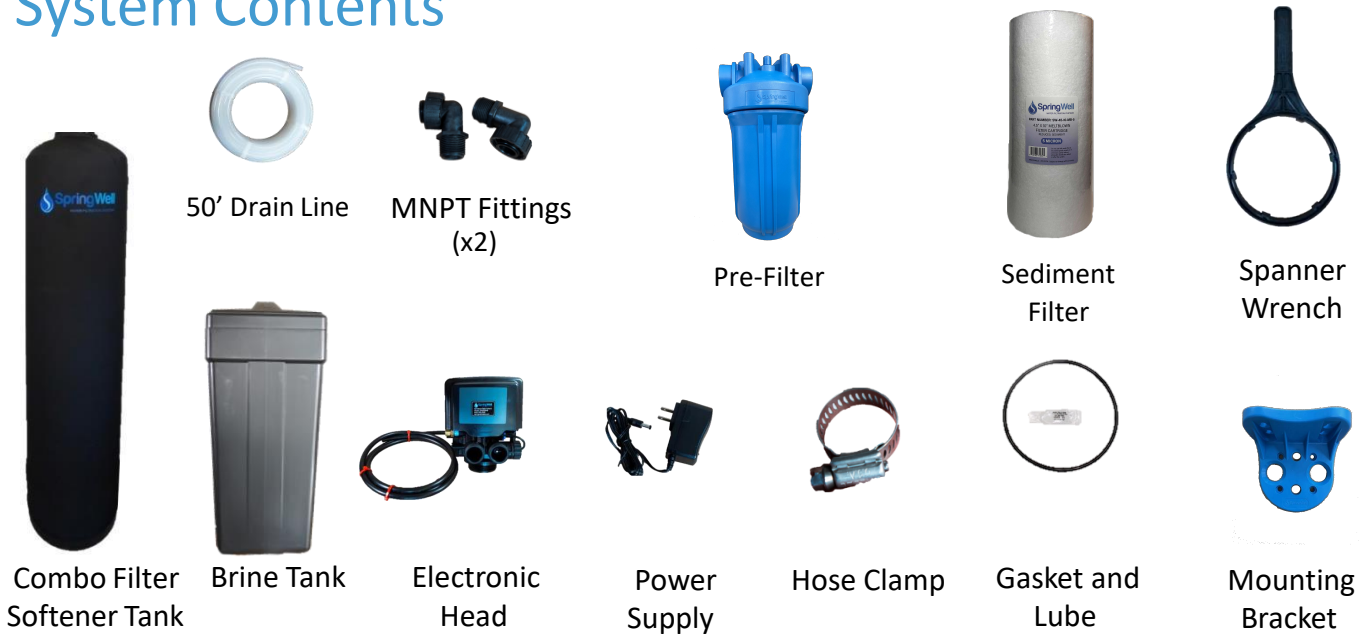


800-589-5592

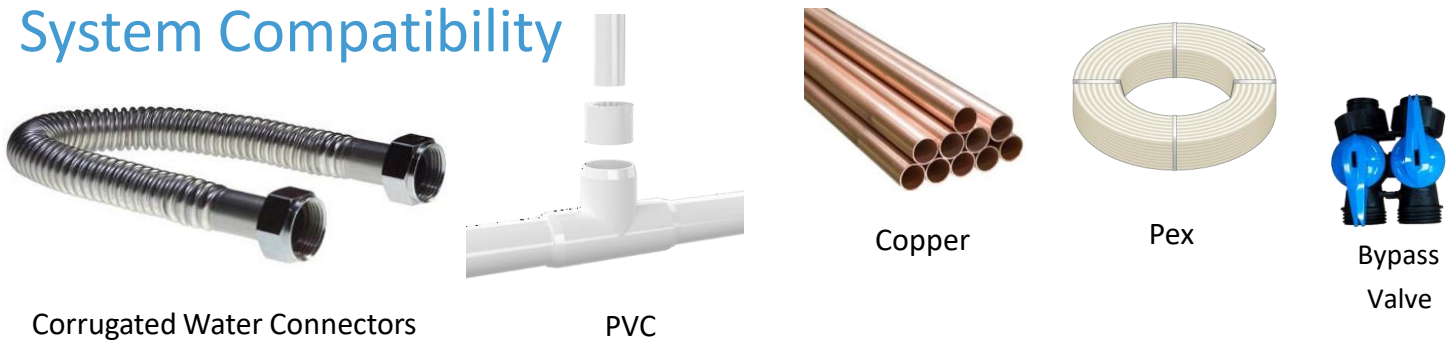
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Filter Softener Combo Setup And Installation

System Contents



System Compatibility



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



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.

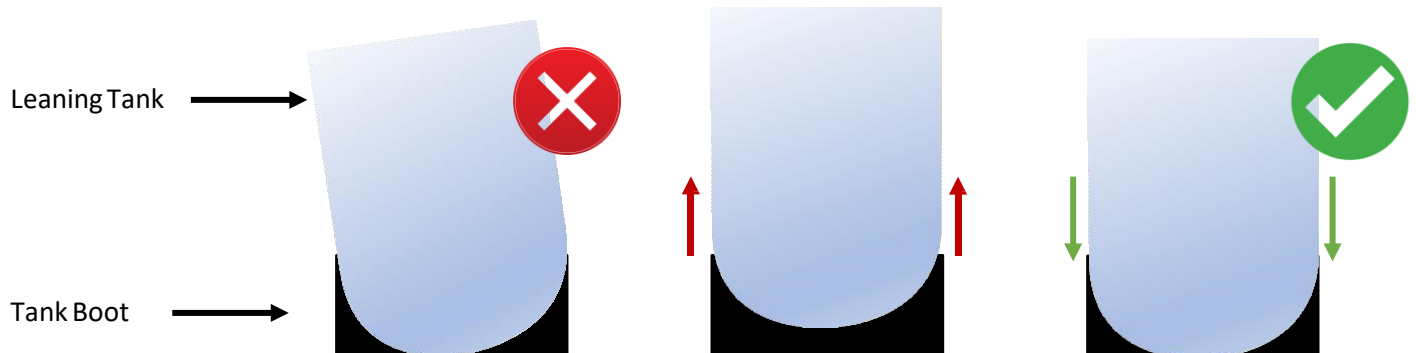
Product Specs



MMV-1	
Tank Width	10"
Tank Height	54" (57" with head)
Flow Rate	11 GPM
Connection Size	1"
Backwash Rate	4 GPM
Operating Pressure	25-60 PSI
Operating Temperatures	36°-120° F
pH Range	6-10
Grain Capacity	32k
Brine Tank	15"w x 17"d x 36"h

MMV-4	
Tank Width	13"
Tank Height	54" (57" with head)
Flow Rate	15 GPM
Connection Size	1"
Backwash Rate	5 GPM
Operating Pressure	25-60 PSI
Operating Temperatures	36°-120° F
pH Range	6-10
Grain	48k
Brine Tank	15"w x 17"d x 36"h

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 tankboot.

Filter Softener Combo

Prepping the Pre-Filter

This step will require the materials listed below



Pre-Filter Housing



Sediment Filter



O-Ring w/Lube



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

Filter Softener Combo

Installing the Pre-Filter

This step will require the materials listed below



Prepped Pre-Filter Housing



Wrench and Pliers



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 Corrugated Water Connectors (x1)



Plumbers' Tape



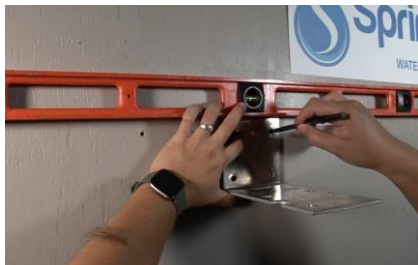
7) Note: plumbers' tape will need to be applied to all PVC threads during the installation.



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.

Filter Softener Combo

Installing the Pre-Filter (cont.)



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



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.

Filter Softener Combo

Installing the Softener Electronic Head

This step will require the materials listed below



Softener
Tank



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.

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 plumber's tape to the threads on both MNPT Fittings.

Filter Softener Combo

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.

Filter Softener Combo

Connecting Tank Drain Line



Combo Filter Softener
Tank w/head

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.



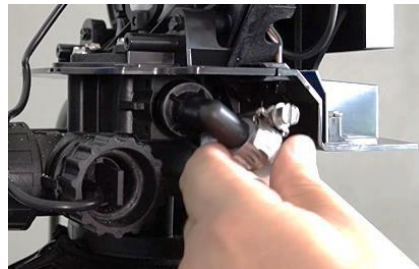
41) Slide the provided hose clamp over the end of the drain line.



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.

Filter Softener Combo

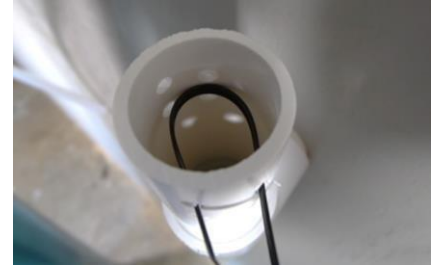
Connecting Tank Drain Line



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.



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



49) Insert the drain line into the zip tie loops and secure in place. 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.

Filter Softener Combo

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



51) Position the brine tank next to the combo tank with the brine tank drain valve pointing towards the combo tank.



52) Remove the cap to the white brine well inside the tank.



53) Identify the smaller hole in the side of the brine well.



54) Align the hole with the threaded drain on the side of the tank.



55) Place and hold the white plastic nut over the threads of the drain line.



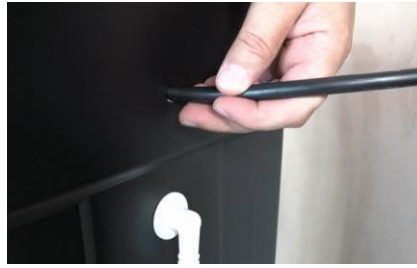
56) Rotate the drain on the outside of the tank to thread the plastic nut securing the brine well.

Filter Softener Combo

Installing the Brine Tank



57) Locate the black regen line leading out from the tankhead.



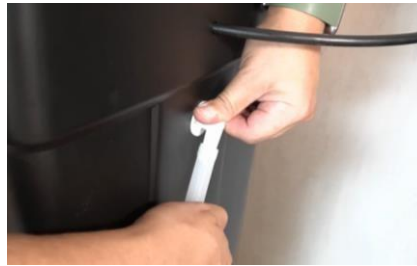
58) Insert the regen line into the brine tank through the opening above the drain line you installed earlier.



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



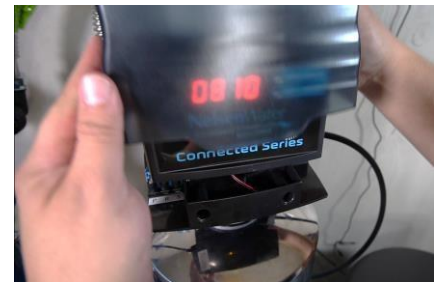
9V Battery



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 tank head cover.

Filter Softener Combo

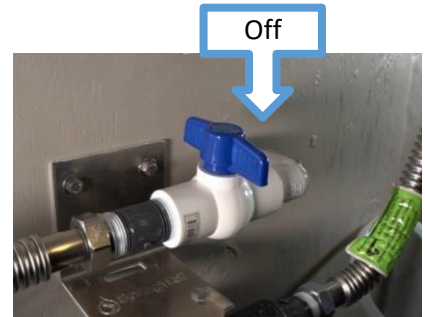
Testing the System



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 shutoff 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.

Filter Softener Combo

Setting Softener Values

This step will require the materials listed below



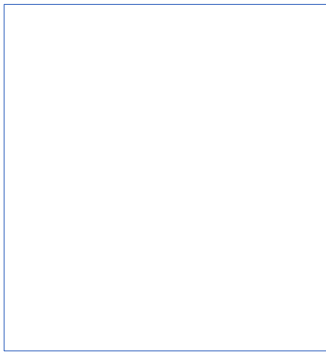
Combo Filter Softener
Tank w/head (powered)



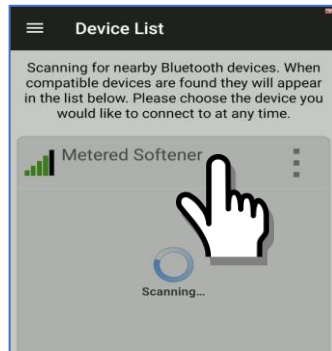
Mobile
Device



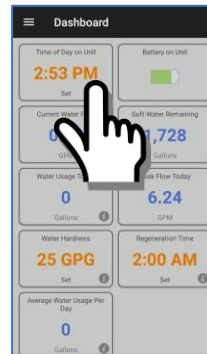
Note: The electronic tank head must be powered and installed prior to setting the tank values.



79) Look up
"SpringWell" in the
app store and install
it.



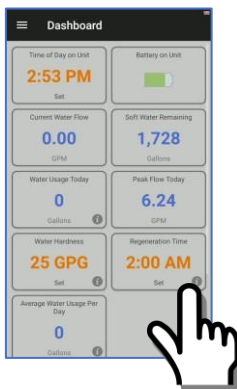
80) Open the app
and select your
softener from the
list.



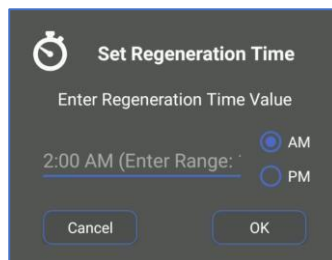
81) Tap "Time of
Day on Unit" to
change the time.



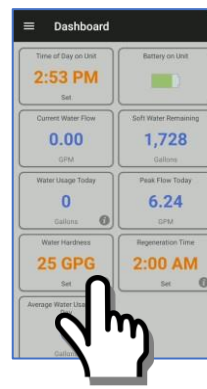
82) Select "OK" to
set the time on to
the same time as
your device.



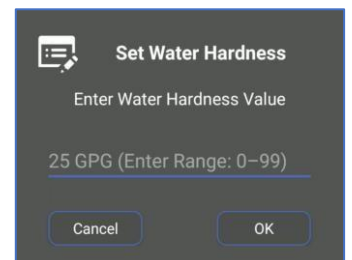
83) To modify the
regen time tap on
that tile. 2:00am is
the default time.



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



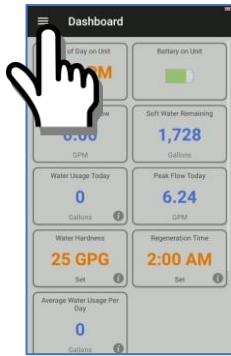
85) Tap "Water
Hardness" to correct
the value to your
conditions.



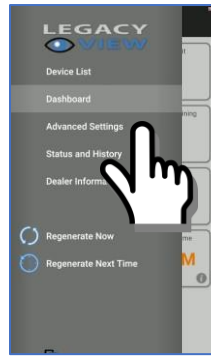
86) Enter the value
from your hard
water test.

Filter Softener Combo

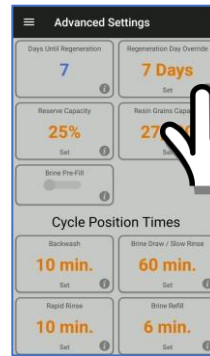
Setting Softener Values



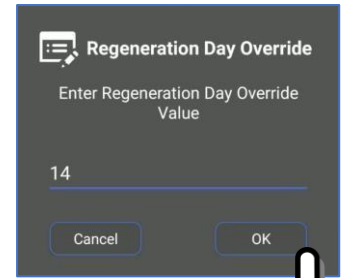
87) Select the menu icon in the upper left-hand corner.



88) Select "Advanced Settings."



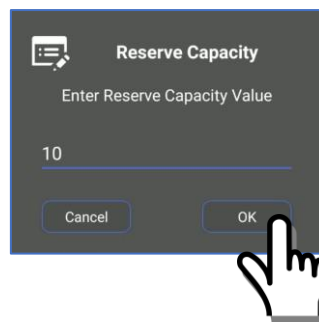
89) Tap "Regeneration Day Override."



90) Change the value to 14 days.

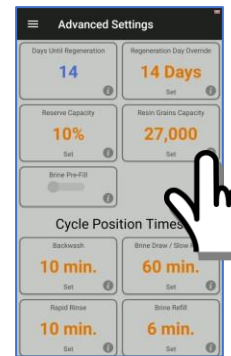


91) Tap "Reserve Capacity."

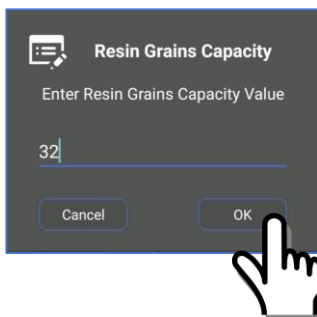


92) Change the value to 10%.

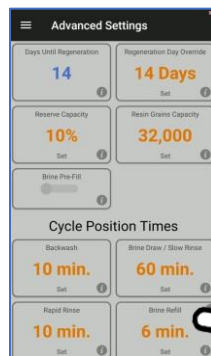
Next Steps
93 to 97
are for
MMV-1
Systems.
Skip to step 98
for MMV-4
systems.



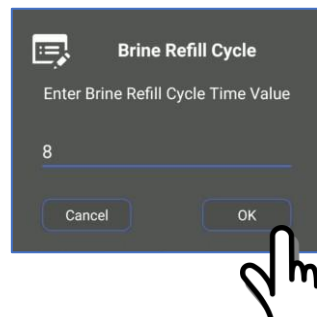
93) Tap "Resin Grains Capacity."



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



95) Select "Brine Refill."



96) Change the value to 8 min.

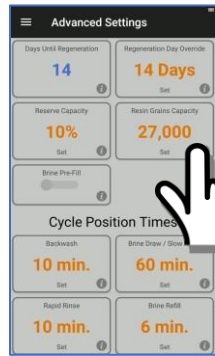


97) Recap of settings for MMV-1 system.

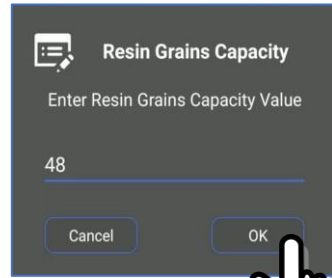
Filter Softener Combo

Setting Softener Values

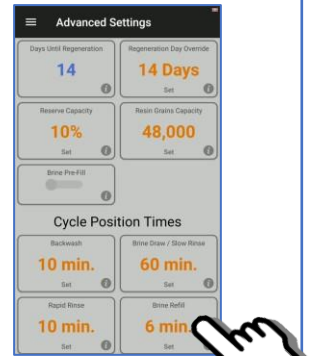
Next Steps
98 to 102
are for
MMV-4
Systems.
Refer to step 93
for MMV-1
systems.



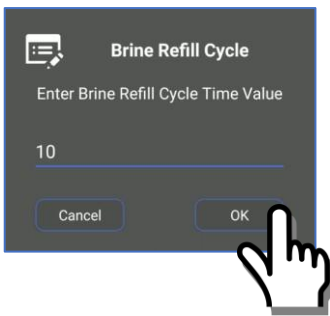
98) Tap "Resin Grains Capacity."



99) Enter 48 for 48,000.



100) Select "Brine Refill."

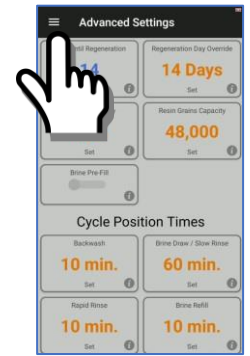


101) Set the value to 10 minutes.



102) Correct values for MMV-4 system.

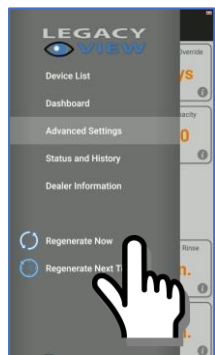
Steps
from here
apply to
both
versions



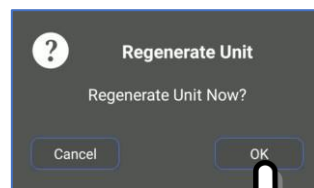
103) Tap the menu icon in the upper left-hand corner.



104) 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.



105) Select "Regenerate Now."



106) Select "OK" from the pop up and the system will regen for 90 minutes.



107) Once the regen is done, your system is ready to use.