



SpringWell

WATER FILTRATION SYSTEMS

Installation Instructions

SALT-BASED WATER SOFTENER

MODELS: SS1, SS4, SS+

Our traditional salt-based whole house water softeners are the most reliable ion exchange softeners on the market today. Use 40% less detergent, extend the life of your appliances see less spotting on hard surfaces. All with an industry-leading warranty!



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



800-589-5592

WWW.SPRINGWELLWATER.COM

Salt-Based Water Softener Setup And Installation

System Contents



Softener Tank

***jacket sold separately**



Brine Tank



50' Drain Line



MNPT Fittings
(x2)



Electronic
Head



Power
Supply



Hose Clamp

Recommended Supplies



1-inch (24-inch Long) Corrugated
Water Connectors (x2)



1-inch (3-inch long) PVC Nipple



1 Roll Plumbers Tape



Bypass Valve
***sold separately**



1-inch threaded connectors for pre-
plumb (slip/threaded elbows shown)



1-Inch PVC Shut Off Valve

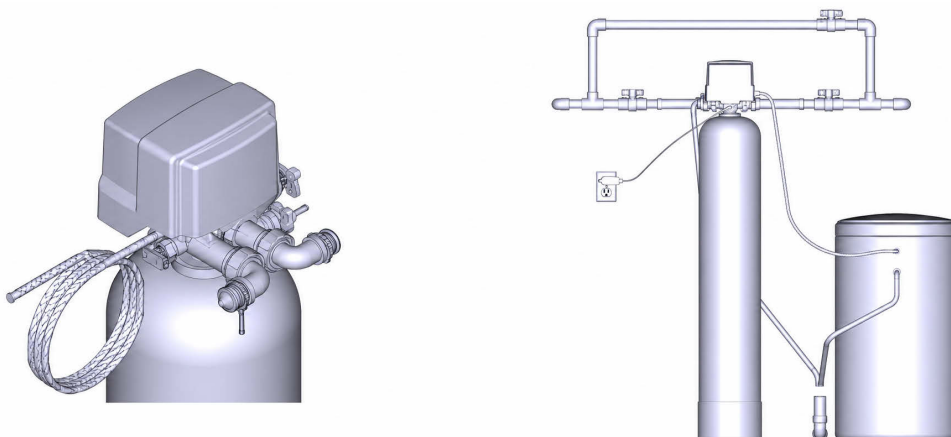


Zip Ties

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

Salt-Based Water Softener Setup And Installation

System Configuration



Note: It is highly recommended to install a 3-valve bypass around the softener system (not included) as shown above if bypass valve was not purchased. A bypass loop allows you to isolate the sediment filter for maintenance, system changes, or servicing without shutting off water to the entire home. Without a bypass, the main water supply must be turned off any time the softener housing is opened or the filter cartridge is replaced. A licensed plumber can install a 3-valve bypass using standard tee fittings and ball valves to match your existing pipe material.

Salt-Based Water Softener



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



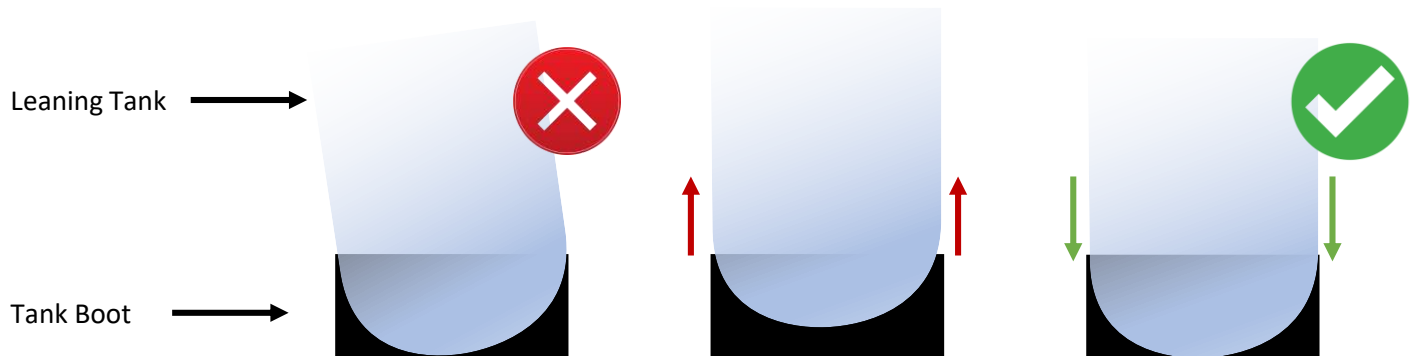
Caution: Do not install on well water unless you have spoken to a customer service representative first.

Product Specs

SS1	
Tank Width	9"
Tank Height	48" (57" with Head)
Flow Rate	11 GPM Service
Connection Size	1"
Backwash Rate	2 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6.5 - 10
Grain	32k
Brine Tank	18"(w) x 33"(h)

SS4	
Tank Width	10"
Tank Height	54" (63" with Head)
Flow Rate	13 GPM Service
Connection Size	1"
Backwash Rate	2.4 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6.5 – 10
Grain	48k
Brine Tank	18"(w) x 33"(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 tank boot.

Salt-Based Water Softener

Installing the Softener Electronic Head

This step will require the materials listed below



1) Unscrew the cap on top of the softener tank.



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



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



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.

Salt-Based Water Softener

Installing the Softener Electronic Head



7) Install the blue bypass valves onto the connections on the electronic head.

If no bypass, skip steps 7-9



8) Insert the rubberized connections into the electronic head openings and press it in place.



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



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

If no bypass, attached MNPT fitting directly onto the inlet and outlet connections.



11) Apply plumbers' tape to both MNPT Fittings.

NOTE: without a bypass valve, you will need to shut off the main water supply any time the softener requires maintenance. A bypass valve is highly recommended.

Salt-Based Water Softener

Installing the Softener



Softener Tank

This step will require the materials listed below



Plumbers Tape



1-inch (3-inch long) PVC Nipple



Wrench



1-inch (24-inch Long) Corrugated Water Connectors (x2)



1-Inch PVC Shut Off Valve



12) Turn off the water to the home and prep the pre-plumb. You will attach a 1-inch threaded adapter to each connection.



13) Position the softener in front of the pre-plumb with its connections facing the pre-plumb connections.



14) Note: All connections will require plumbers' tape to avoid leaks.



15) Install the shut off valve onto the incoming water supply on the pre-plumb.



16) Apply plumbers' tape to the threads on the PVC Nipple then thread it into the other end of the shut off valve. Fully tighten it.



17) Connect a corrugated pipe to the other end of the PVC Nipple and fully tighten it.

Salt-Based Water Softener

Installing the Softener



18) Connect the other end of the corrugated pipe to inlet on the water softener tank.



19) Connect the other corrugated pipe to the opposite outgoing side of the pre-plumb.



20) Connect the other end of the corrugated pipe to the outlet side of the water softener tank.

Salt-Based Water Softener

Additional Softener Head Steps

This step will require the materials listed below



Softener Tank
(Already Installed)



50' Drain Line



Zip Ties



9V Battery



Power Supply



Hose Clamp



21) Locate the drain on the left side of the electronic tank head on the softener tank,



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



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



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



25) 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.



26) Insert the drain valve back into the tank head. Ensure the drain line isn't pinched.



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

Salt-Based Water Softener

Additional Softener Head Steps



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



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



30) 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.



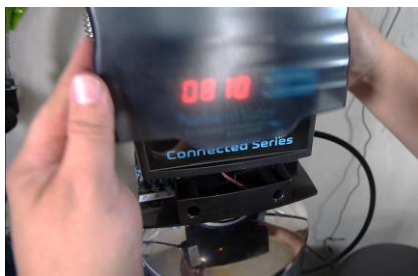
31) Insert the drain line into the zip tie loops and secure in place. The excess can then be trimmed off the zip ties.



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



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



34) Lift off the cover to the electronic head.



35) Locate the batter connection beneath the display.



36) Replace the tank head cover.

Salt-Based Water Softener

Installing the Brine Tank

This step will require the materials listed below



Softener Tank
(Already Installed)



Brine Tank



50' Drain Line



Zip Ties



37) Position the brine tank next to the softener tank with the drain valve pointing towards the softener.



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



39) Thread the drain line into the drainpipe and trim off the excess drain line.



40) Use the previous steps to secure the drain line to the drainpipe.



41) Remove the lid from the brine tank.



42) Remove the white cap from the brine well inside the brine tank.



43) Release the regen line from the softener head by removing the zip ties. Use care not to damage the line.

Salt-Based Water Softener

Installing the Brine Tank



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



45) 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.



46) Replace the lid to the brine tank well.



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



48) The lid to the brine tank can be replaced.



49) The system can now be tested.

Salt-Based Water Softener

Testing the System



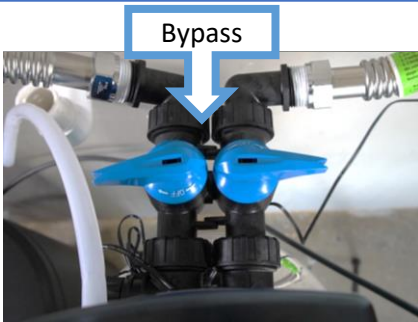
50) Before turning the water back on to the home, use the provided spanner wrench to fully tighten the pre-filter housing.



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



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



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

If no bypass valve, skip this step and proceed to 54.



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



55) If no leaks are detected, open the shut off valve and allow water to flow through the tank bypass. Inspect for leaks.

If no bypass, slowly open the shut off valve until its opened fully. Water will flow directly through the softener.



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

Skip this step if no bypass.



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

Salt-Based Water Softener

Setting Softener Values

This step will require the materials listed below



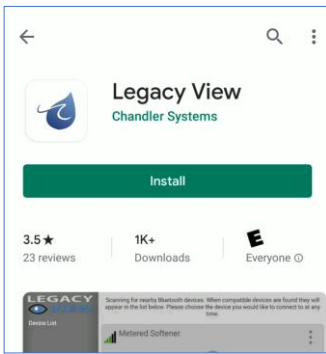
Softener Tank
(Already Installed)



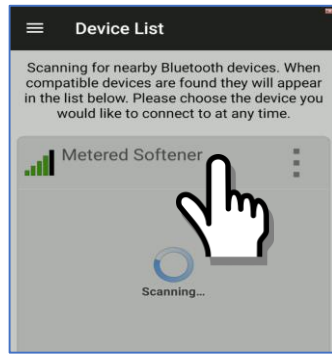
Mobile
Device



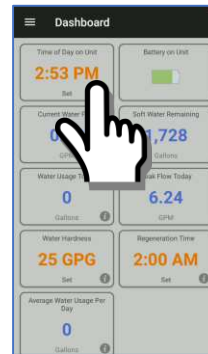
Note: The electronic tank head must be powered and installed prior to setting the tank values.



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



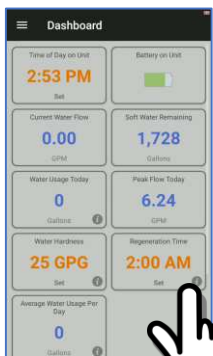
59) Open the app and select your softener from the list.



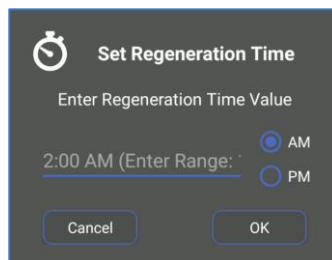
60) Tap "Time of Day on Unit" to change the time.



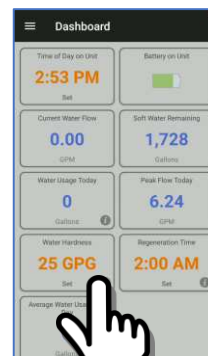
61) Select "OK" to set the time on to the same time as your device.



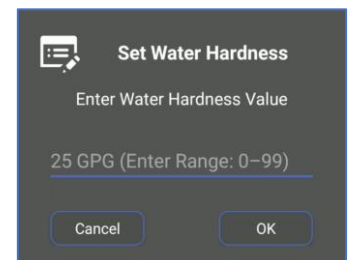
62) To modify the regen time tap on that tile. 2:00am is the default time.



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



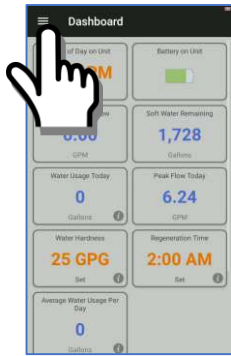
64) Tap "Water Hardness" to correct the value to your conditions.



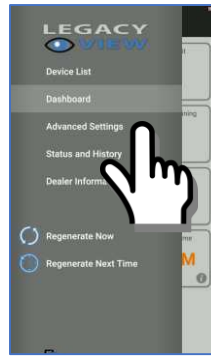
65) Enter the value from your hard water test.

Salt-Based Water Softener

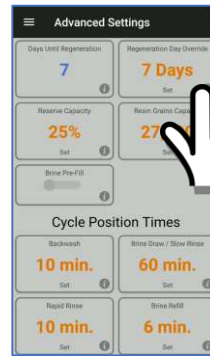
Setting Softener Values



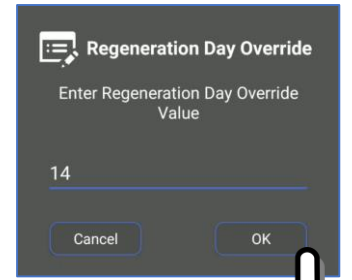
66) Select the menu icon in the upper left-hand corner.



67) Select "Advanced Settings."



68) Tap "Regeneration Day Override."



69) Change the value to 14 days.

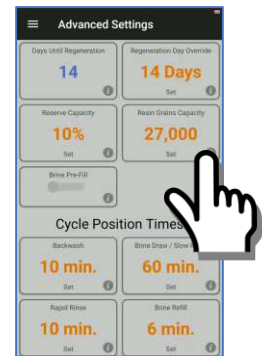


70) Tap "Reserve Capacity."



71) Change the value to 10%.

Next Steps
72 to 76
are for SS1
Systems.
Skip to step 77
for SS4 systems.



72) Tap "Resin Grains Capacity."



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



74) Select "Brine Refill."



75) Change the value to 8 min.



76) Recap of settings for SS1 system.

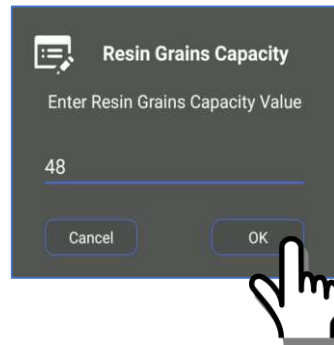
Salt-Based Water Softener

Setting Softener Values

Next Steps
77 to 81
are for SS4
Systems.
Refer to step 72
for SS1 systems.



77) Tap "Resin Grains Capacity."



78) Enter 48 for 48,000.



79) Select "Brine Refill."

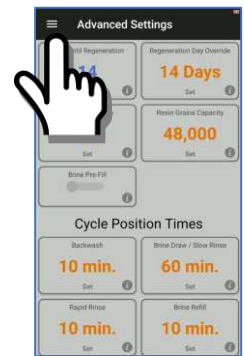


80) Set the value to 10 minutes.



81) Correct values for SS4 system.

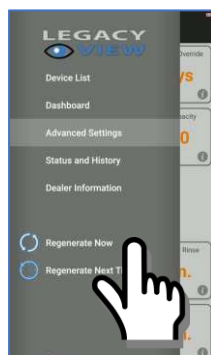
Steps
from here
apply to
both
versions



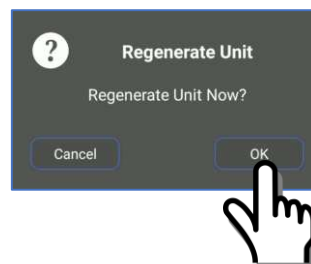
82) Tap the menu icon in the upper left-hand corner.



83) 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.



84) Select "Regenerate Now."



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



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