



# SpringWell

WATER FILTRATION SYSTEMS

## Installation Instructions

### ULTRA Whole House Well Water Filter Salt Based System Combo

Model MWS1, MWS4

This is the ultimate combo system for anyone who has high levels of iron, manganese, and hydrogen sulfide. We've combined our whole house well system, with our whole house carbon filtration system and salt-based water softener to give you a powerful system that not only removes contaminants but also prevents limescale/calcium build up on your pipes, faucets, fixtures, and more.



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



**800-589-5592**

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# Ultra Whole House Well Water Filter Salt Based System Combo

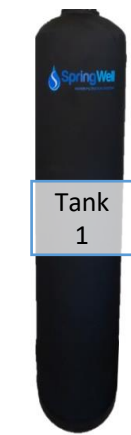
Scan for Installation video



Scan for Installation video

Or click [HERE](#)

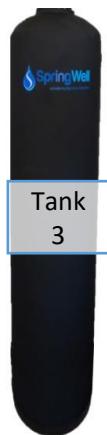
## System Contents



Well Water Filter Tank (WS)



Carbon Filter Tank (CF)



Softening Tank (SS)



Sediment Filter Housing



Sediment Filter



Spanner Wrench



Mounting Bracket



Gasket and Lube



Power Supplies (x2)



Brine Tank



Tank Head for Carbon Filter Tank (Tank 2)



Hose Bib Assembly



50' Drain Line (x2)



Hose Clamps (x2)



Spindown filter



MNPT Fittings for Electronic Heads (x4)



MNPT Fittings for Carbon Filter Head (x2)



Electronic Head for Well Water Filter (Tank 1)



Electronic Head for Softener Tank

## System Compatibility



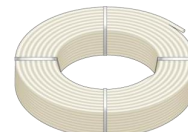
Corrugated Water Connectors



PVC



Copper



Pex



Red Bypass Valve



Blue Bypass Valves (x2)

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

# Ultra Whole House Well Water Filter Salt Based System Combo

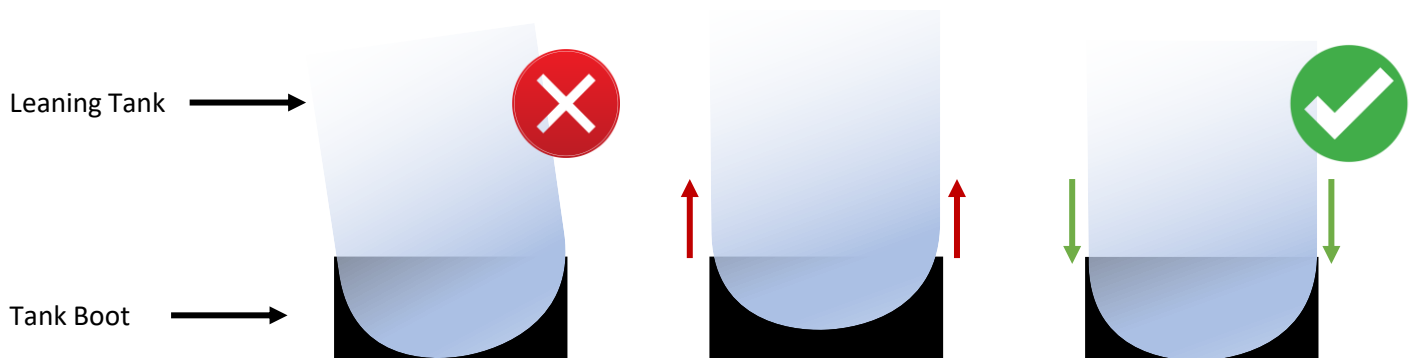


PLEASE READ INSTRUCTIONS FULLY PRIOR TO ATTEMPTING INSTALLATION. Be sure to follow all applicable plumbing codes. The system must be installed on a main water supply line

## System Configuration



## 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.

# Ultra Whole House Well Water Filter Salt Based System Combo

## System Specifications



WS1	
Tank Width	10"
Tank Height	54" (64" with Head)
Flow Rate	12 GPM Service
Connection Size	1"
Backwash Rate	5 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6.5 - 10

WS4	
Tank Width	13"
Tank Height	54" (64" with Head)
Flow Rate	18 GPM Service
Connection Size	1"
Backwash Rate	7 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6.8 – 10



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



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

**Note: The Carbon Filter Tank (CF1 or CF4) requires a pre-soak 48 hours prior to installation.**

# Ultra Whole House Well Water Filter Salt Based System Combo

## 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)



# Ultra Whole House Well Water Filter Salt Based System Combo

**Note: The Carbon Filter Tank (CF1 or CF4) requires a pre-soak 48 hours prior to installation.**

## Installing the Head on the CF (Carbon Filter) Tank

This step will require the materials listed below

Carbon Filter  
Tank  
(Tank 2)



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. Note the label discussing the necessary 48-hour pre-soak.



4) Align the opening on the bottom of the tank head with the riser tube 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.



Note: Do Not Unscrew head once it has been placed. See below.



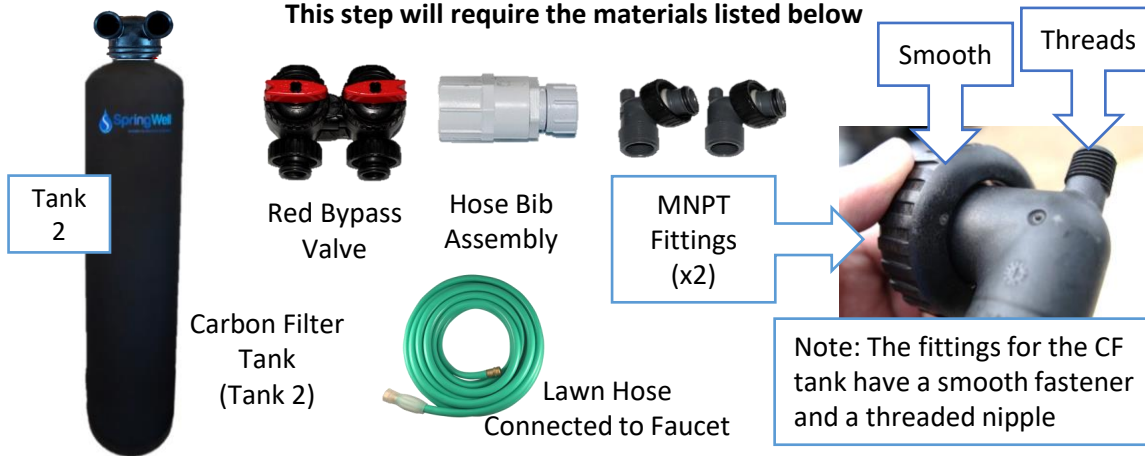
**ONCE THE HEAD ATTACHES TO THE PIPE INSIDE THE TANK IT IS PERMANENT. Do not attempt to unscrew or remove the head from the tank or it will cause the components within the tank to separate causing damage and potentially cause resin to seep from the tank into your home plumbing.**

# Ultra Whole House Well Water Filter Salt Based System Combo



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

## Media Soak Instructions (48 Hours Prior)



## Bypass Operation



Bypass on, water does not flow through tank



Bypass off, water flows through tank



10) Insert the bypass valves onto the tank head connections of both of the tanks 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 on both tanks.



13) Use the hose bib to attach a lawn hose to the inlet on the carbon filter 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 and adapter.



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

# Ultra Whole House Well Water Filter Salt Based System Combo



**IMPORTANT!** 48 hours after Carbon Filter tank soak. The carbon media in the Carbon Filter tank must be flushed prior to installation

## Carbon / Media Flush

This step will require the materials listed below



Carbon Filter Tank (Tank 2)



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 48-hour soak connect the hose bib assembly to the inlet of the carbon filter (CF) Tank.



17) Turn off the tank bypass. Some water will escape the tank.



18) Run the water to flush the tank until the water runs clear. Approx. 5 min.



19) Relocate the hose bib adapter and hose to the outlet side of the tank.



20) Flush with water in the opposite direction until the water runs clear. Approx. 5 min.



21) The hose and hose bib assembly can be removed from the carbon filter tank. Zip the provided neoprene jacket onto the tank.



# Ultra Whole House Well Water Filter Salt Based System Combo

## Prepping the Sediment Filter

This step will require the materials listed below



Sediment Filter Housing



Sediment Filter



O-Ring w/Lube



22) Unscrew the lid from the sediment filter Housing.



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



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



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



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



27) Replace the lid and fully tighten it

# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Sediment Filter

This step will feature the materials listed below



Prepped sediment  
Filter Housing



Spanner  
Wrench



Mounting  
Bracket



Pliers



Drill with 3/16" drill bit



1-inch (3-inch long)  
PVC Nipples (x2)



Plumbers Tape



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 well water filter and carbon filter tank ahead of the sediment filter. 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.

# Ultra Whole House Well Water Filter Salt Based System Combo



Note: If you purchased a jacket, it can be zipped around the tank prior to or after the installation of the electronic head is completed.

## Installing the Well Water Filter Electronic Head

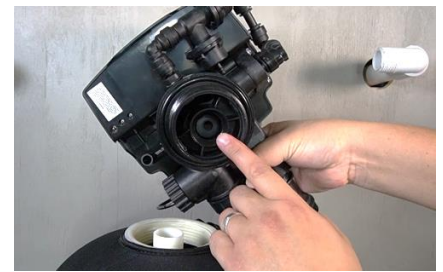
This step will require the materials listed below



33) Unscrew the cap on top of the well water filter tank.



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



35) Locate the opening at the bottom of the well water filter electronic head.



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



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



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

# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Well Water Filter Electronic Head



39) Install a bypass valve onto the connections on the electronic head.



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



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



42) Attach and tighten a MNPT Fitting onto each of the connections on the bypass valve.



43) Apply plumbers' tape to both MNPT Fittings.



# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Softener Electronic Head

This step will require the materials listed below



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



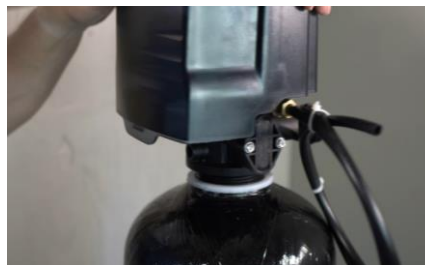
45) There is a blue cap inside that also needs to be removed. Both caps can be discarded.



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



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



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



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

# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Softener Electronic Head



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



51) Insert the rubberized connections into the electronic head openings and press it them place.



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



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



54) Apply plumbers' tape to both MNPT Fittings.



55) The neoprene tank jacket can now be zipped around the tank.

# Ultra Whole House Well Water Filter Salt Based System Combo

## 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 PVC Shut Off Valve\*



1-inch Corrugated Water Connector (x1)



1-inch (3-inch long) PVC Nipple



Wrench and Pliers



Plumbers Tape

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



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



57) 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.



58) 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.



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



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



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

# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Tanks Part 1

This step will require the materials listed below

Tank  
1



Well Water  
Filter Tank  
(Tank 1)



62) Position the well water tank next to incoming pre-plumb with its connections facing back



63) Connected the corrugated pipe to the incoming side on the back of the well water filter. Ensure it is fully tightened.

## Installing the Drain Line (Well Water Filter)

This step will feature the materials listed below



50' Drain Line



Hose  
Clamp



Zip Ties



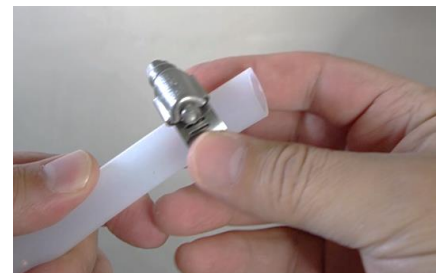
64) Locate the drain valve on the left side of the well water filter head. It is a compression connection.



65) Remove the blue lock tab securing the drain valve in place.



66) Pull the drain valve straight out.



67) Slide a hose clamp over an end of one of the provided drain lines.



# Ultra Whole House Well Water Filter Salt Based System Combo



68) Press the barbed connector on the valve onto the end of that drain line until it is fully seated.



69) Slide the hose clamp over the connection and begin to tighten it.



70) Prior to fully tightening, position the hose clamp to align as shown here. Now, fully tighten.



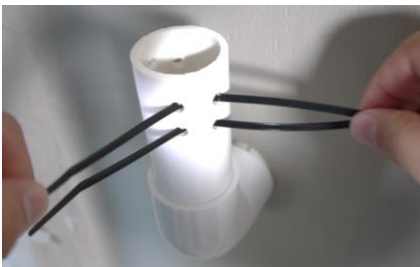
71) Insert the drain valve back into the tank head. Ensure the drain line isn't pinched.



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



73) Thread the drain line towards your drain and cut away the excess leaving some slack.



74) 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.



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

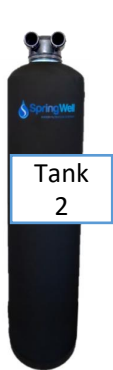


76) Insert the drain line into the zip tie loops and secure in place. The excess can then be trimmed off the zip ties.

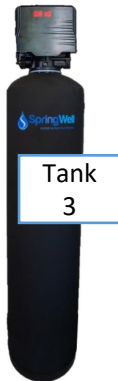
# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Tanks – Part 2

This step will feature the materials listed below



Carbon Filter (CF) (Tank 2)



Softening Tank (Tank 3)



Wrench



Plumbers Tape



1-inch Corrugated Water Connectors (x4)



77) Connect a corrugated water connector to the outlet side of the well water filter. Ensure it is fully tightened.



78) Connect the other end of the connector to the inlet side of the carbon filter tank. Ensure it is fully tightened.

**Note: The inlet and outlet on this tank are opposite the well water filter.**



79) Connect a water connector to the outlet side of carbon filter tank. Ensure it is fully tightened.



80) Connect the other end to the inlet on the sediment filter. Ensure it is fully tightened.



81) Connect another connector to the outlet side of the sediment filter. Ensure it is fully tightened.



82) Connect the other end of that connector to the inlet side of the softening tank. Ensure it is fully tightened.

**Note: The inlet and outlet on this tank are opposite the carbon filter tank.**

# Ultra Whole House Well Water Filter Salt Based System Combo



83) Connect another water connector to the outlet side of the softening tank. Ensure it is fully tightened.



84) Prep the pre-plumb connection leading back into the home.



85) Connect the other end of the connector to the pre-plumb leading back into the home. Ensure it is fully tightened.

## Installing the Drain Line (Softener Tank Head)

This step will feature the materials listed below



50' Drain Line



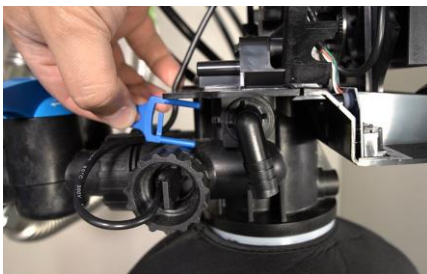
Hose Clamp



Zip Ties



86) Locate the drain valve on the left side of the softener head. It is a compression connection.



87) Remove the blue lock tab securing the drain valve in place.



88) Pull the drain valve straight out.



89) Slide a hose clamp over an end of one of the provided drain lines.



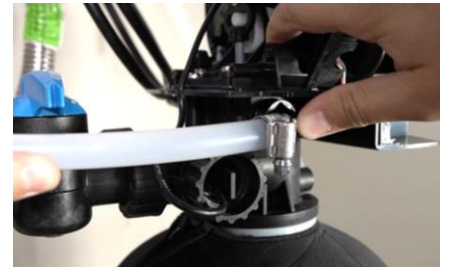
# Ultra Whole House Well Water Filter Salt Based System Combo



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



91) Position the hose clamp over the connection and align as shown here. Tighten with a flat head screwdriver.



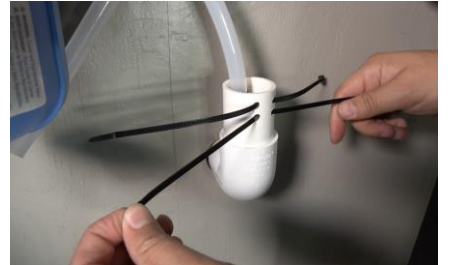
92) Insert the drain valve back into the tank head. Ensure the drain line isn't pinched.



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



94) Lead the line towards the drain near your pre-plumb and trim away the excess.



95) Zip ties will once again be used to secure the drain line. Insert two zip ties into 4 holes drilled high up on the drain.



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



96) Push the zip ties inward to create a loop.



97) Insert the drain line into the loops and secure the ties anchoring it in place. Trim away the excess from the zip ties.



# Ultra Whole House Well Water Filter Salt Based System Combo

## Installing the Brine Tank

This step will feature the materials listed below



Softener Tank  
(Already Installed)



Brine Tank



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



99) Remove the lid from the brine tank.



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



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



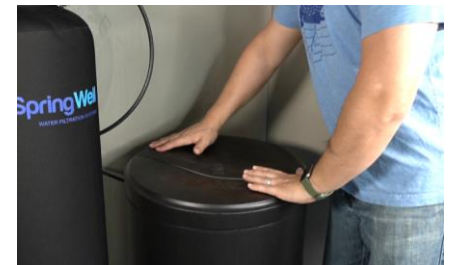
102) The regen line will be inserted to the connection just inside the brine well. Push the line all the way in. Once inserted it will be secure.



103) Replace the lid to the brine well.



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



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

# Ultra Whole House Well Water Filter Salt Based System Combo

## Powering the Tank Heads

This step will require the materials listed below



Well Water Filter Tank (Already Installed)



Softener Tank (Already Installed)



Power Supplies (x2)



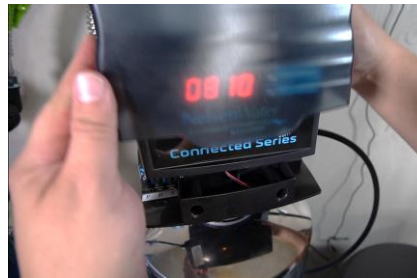
9v Batteries (x2)



106) On both tanks, the power cord will be connected to the connection on the far left beneath the electronic tank head.



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



108) Lift off the cover on each of the the electronic heads.



109) Locate the battery connection beneath the display. Connect a 9v battery then store it in the tray. Repeat on both heads.



110) Replace the tank head cover for each head.



You are ready to test the system

# Ultra Whole House Well Water Filter Salt Based System Combo

## Testing the System

111) Before restoring water to the home, you must first double check your system to ensure it is configured as shown in the image below.



112) While the water to the home is still turned off open the cold-water valve to a shower or faucet all the way.



113) If you installed a system shut off valve, please turn it to the off position.



114) Set the valves on both electronic tank heads into the bypass position.



# Ultra Whole House Well Water Filter Salt Based System Combo

## Testing the System



115) Set the valves on the carbon filter tank into bypass as well.



116) Use the provided spanner wrench to fully tighten the sediment filter housing.



117) The water to the home can now be restored.



118) With the shut off valve in the off position, inspect it for any leaks.



119) If no leaks are detected, open the shut off valve to allow water flow through the tank bypasses. Check all connections for leaks.



120) If no leaks are detected from the tank connections, turn off the bypass for both electronic heads allowing them to fill with water.



121) After 3 to 5 minutes, slowly turn off the bypass to the carbon filter tank.



**Note: If you see water seeping out from beneath the tank head on the Carbon Filter (CF), please proceed page 31 for the solution.**



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



# Ultra Whole House Well Water Filter Salt Based System Combo

## Setting Well Water Filter Head Values

This step will require the materials listed below



Well Water Filter Tank  
(Already Installed)

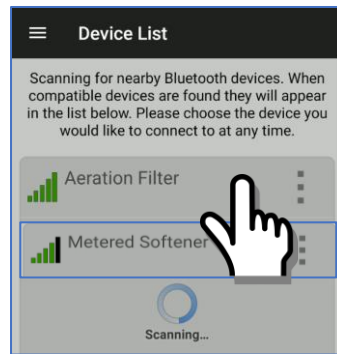


Mobile  
Device



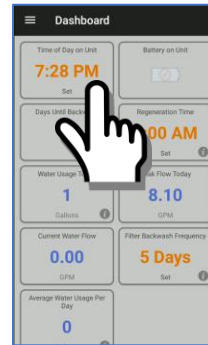
Note: The electronic tank heads must be powered and installed prior to setting the tank values.

The Well Water Filter will require a manual regen for 45 min prior to system use.

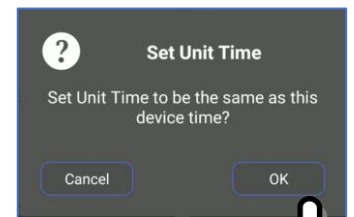


123) Look up "SpringWell" in the app store and install it.

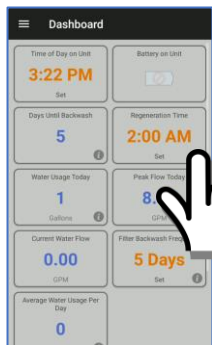
124) Open the app and select the Aeration Filter.



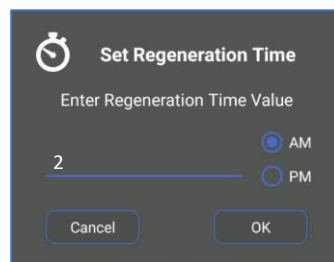
125) Tap "Time of Day on Unit" to change the time.



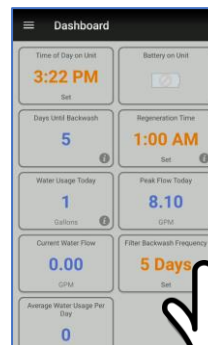
126) Select "OK" to set the time on to the same time as your mobile device.



127) The well water filter should regen while water is not used in the home.



128) Tap on the time tile then change the value to 2:00 am. Hit OK.



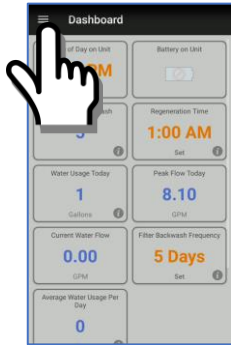
129) Tap "Filter Backwash Frequency."



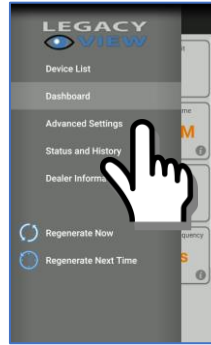
130) Change the frequency to 5 days. Hit OK.

# Ultra Whole House Well Water Filter Salt Based System Combo

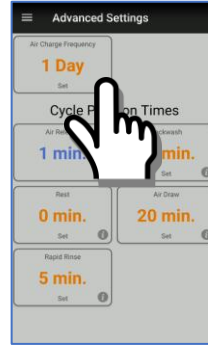
## Setting Well Water Filter Values



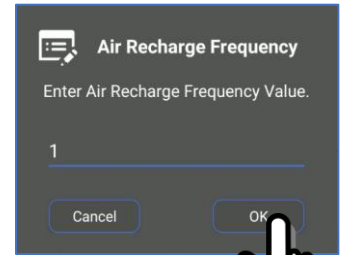
131) Select the menu icon in the upper left-hand corner.



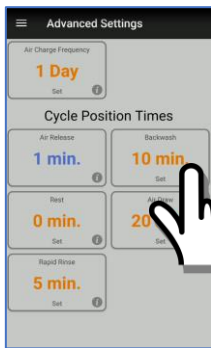
132) Select "Advanced Settings."



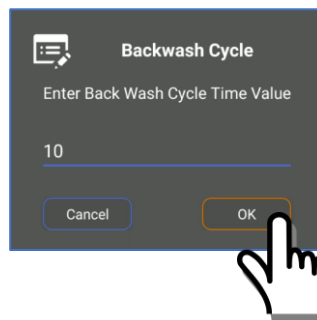
133) Tap "Air Charge Frequency."



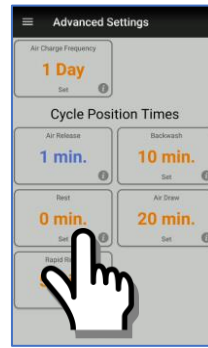
134) Change the value to 1 day.



135) Tap "Backwash."



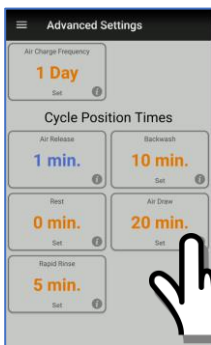
136) Change the value to 10 min.



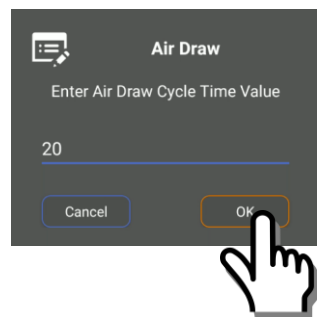
137) Tap "Rest."



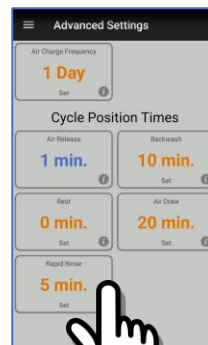
138) Set the value to 0 min.



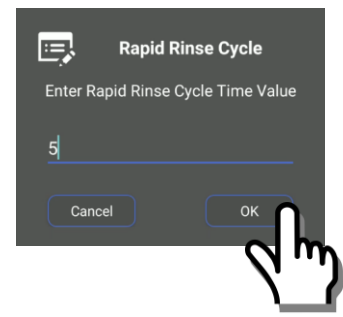
139) Select "Air Draw."



140) Set the value to 20 min.



141) Select "Rapid Rinse."



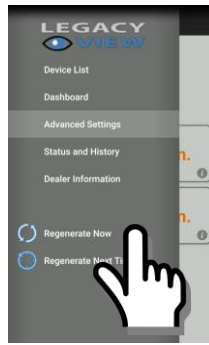
142) Set the value to 5 min.

# Ultra Whole House Well Water Filter Salt Based System Combo

## Setting Softener Values



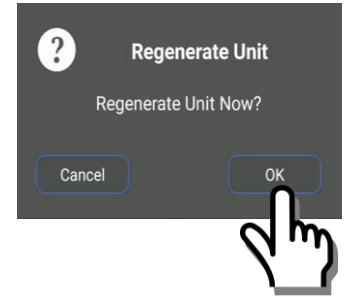
143) Tap the Menu Icon.



144) Select "Regenerate Now."



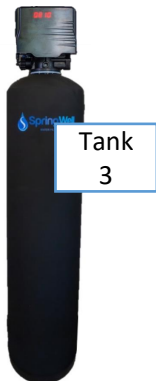
Note: The well water filter will run approx. 45 minutes. You will not be able to use water to the home during this time.



145) If you are ready, select OK on the regenerate confirmation

## Setting Water Softener Head Values

This step will require the materials listed below



Softener Tank  
(Already Installed)

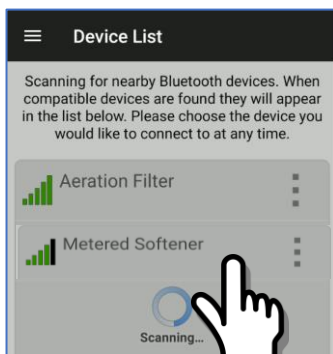


Mobile  
Device

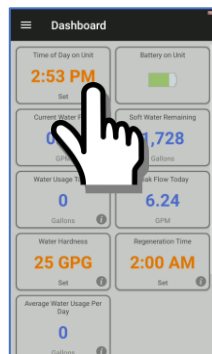
Note: The electronic tank head must be powered and installed prior to setting the tank values.

The Softener will require a manual regen for 90 min prior to system use.

The Well Water Filter regen must be completed prior to manually regening the softening system.



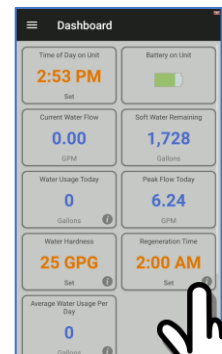
146) Navigate back to the Device list and select Metered Softener.



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

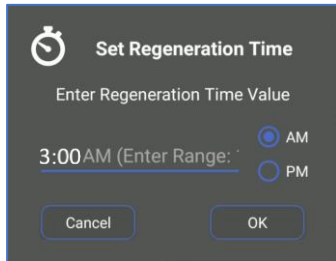


148) Select "OK" to set the time on to the same time as your device.

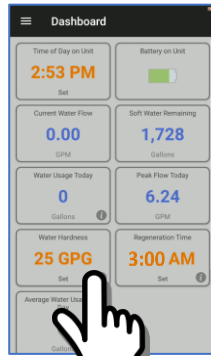


149) To modify the regen time tap on that tile. You will need to change the default time of 2:00am.

# Ultra Whole House Well Water Filter Salt Based System Combo



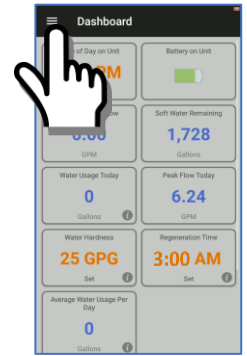
150) You don't want to softening system to regenerate at the same time as the well water filter. Therefore 3:00am is recommended for this step.



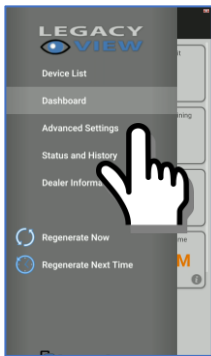
151) Tap "Water Hardness" to correct the value to your conditions.



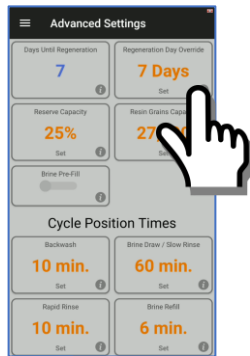
152) Enter the value from your hard water test.



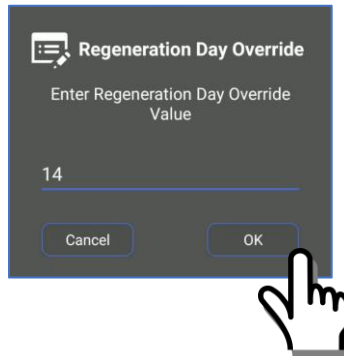
153) Select the menu icon in the upper left-hand corner.



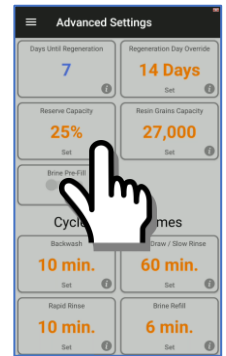
154) Select "Advanced Settings."



155) Tap "Regeneration Day Override."



156) Change the value to 14 days.

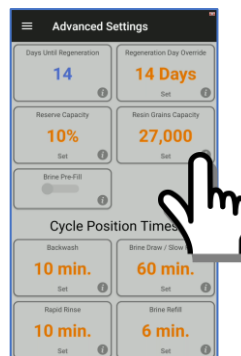


157) Tap "Reserve Capacity."

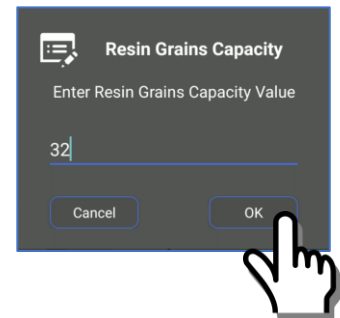


158) Change the value to 10%.

**Next Steps**  
159 to 163  
are for SS1  
Systems.  
Skip to step 164  
for SS4 systems.



159) Tap "Resin Grains Capacity."

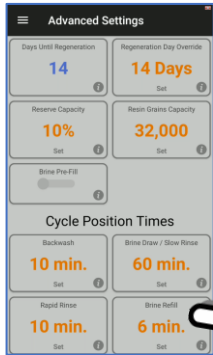


160) Change the value to 32 for 32,000.

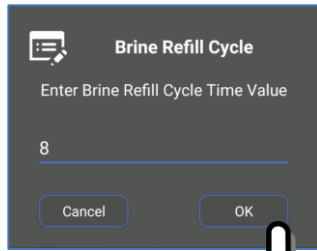


# Ultra Whole House Well Water Filter Salt Based System Combo

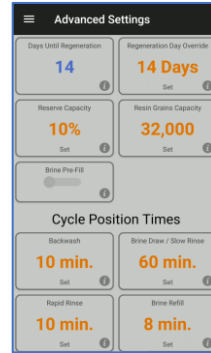
## Setting Softener Values



161) Select “Brine Refill.”

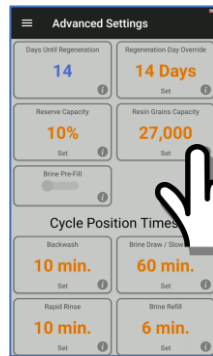


162) Change the value to 8 min.

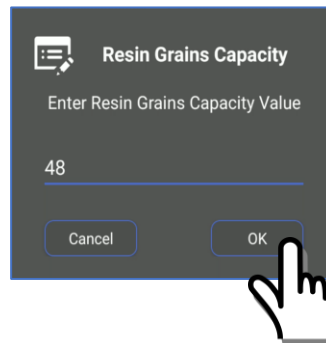


163) Recap of settings for SS1 system.

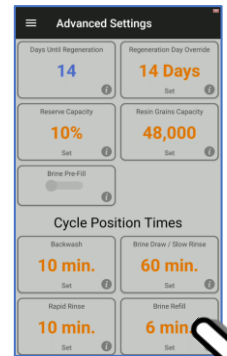
Next Steps  
164 to 167  
are for SS4  
Systems.  
Refer to step 159  
for SS1 systems.



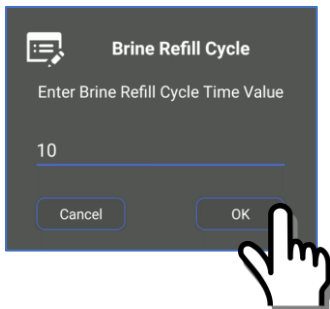
164) Tap “Resin Grains Capacity.”



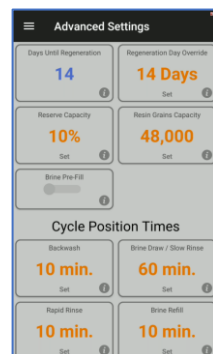
165) Enter 48 for 48,000.



166) Select “Brine Refill.”

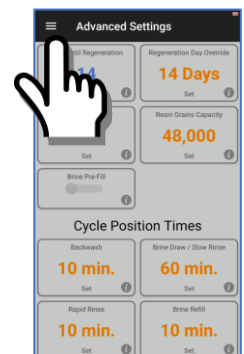


167) Set the value to 10 minutes.



168) Correct values for SS4 system.

Steps  
from here  
apply to  
both  
versions



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

# Ultra Whole House Well Water Filter Salt Based System Combo

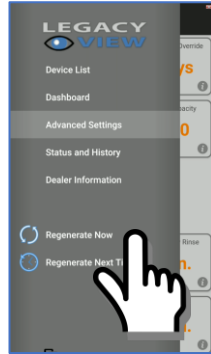
## Setting Softener Values



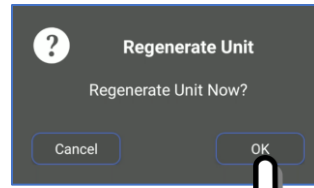
170) The next step will force you to regen your system.

**The Well Water Filter regeneration must be finished prior to launching the softener regeneration.**

During this time, you will not be able to use your water for 90 minutes.



171) Select "Regenerate Now."



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



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

## Water Leak from Carbon Filter 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 reseal.



Reconnect the tank to the system and proceed back to page 23 to test the system again.