



# SpringWell

WATER FILTRATION SYSTEMS

## Installation Instructions

### Well Water Filter and Salt Free Water Softener

Model: WSSF1, WSSF4

This SpringWell Water System combo is what you need. If you have a private well and have Iron, Manganese, Sulfur as well as hard water that is causing limescale/calcium build up on your plumbing, pipes, and fixtures. This is the maintenance free solution to give you and your plumbing/appliances a happy healthier life.



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



**800-589-5592**

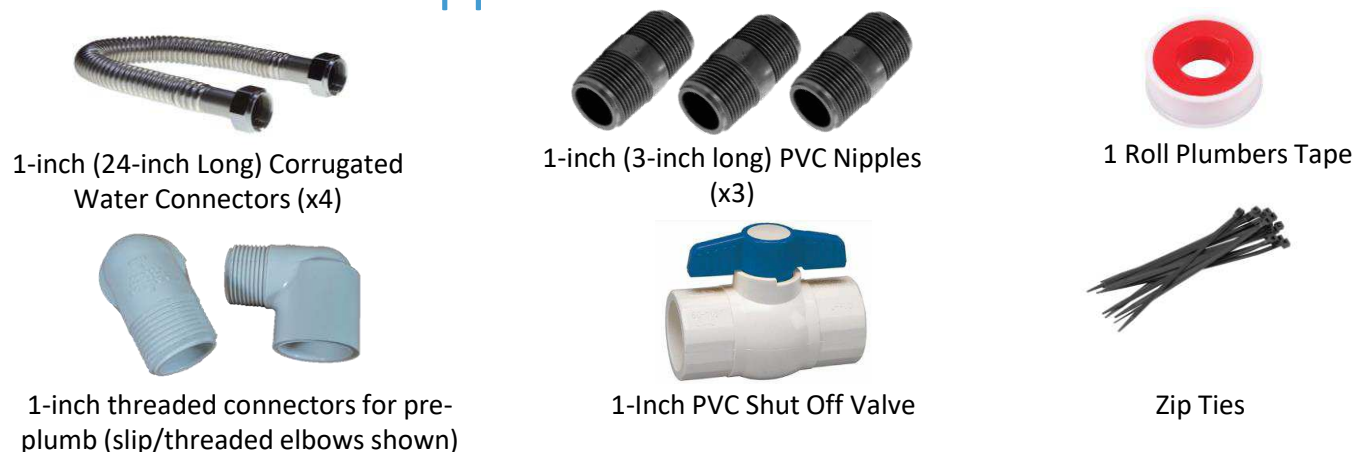
[WWW.SPRINGWELLWATER.COM](http://WWW.SPRINGWELLWATER.COM)

# Well Water Filter and Salt-Free Water Softener Setup And Installation

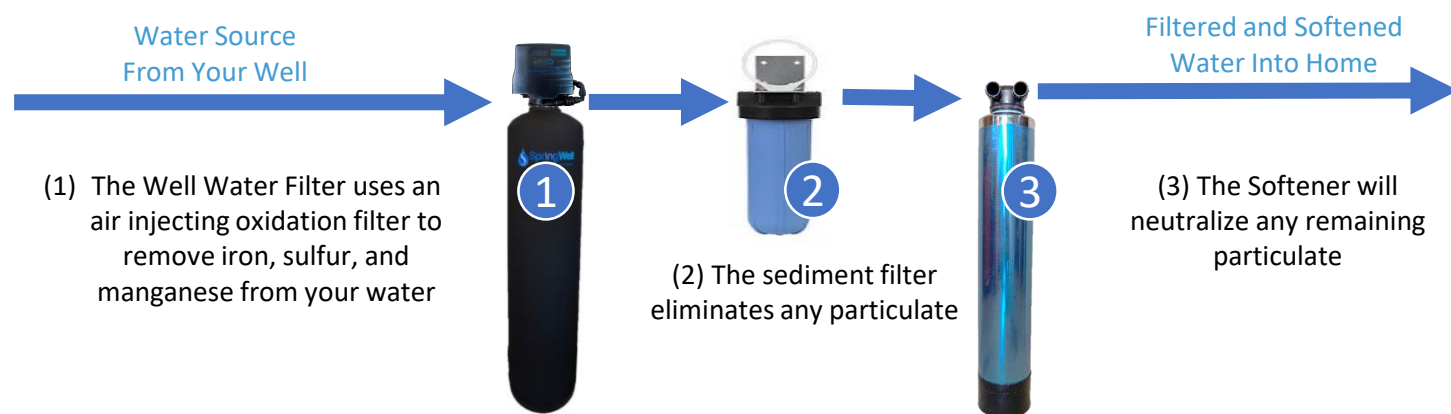
## System Contents



## Recommended Supplies



## System Configuration

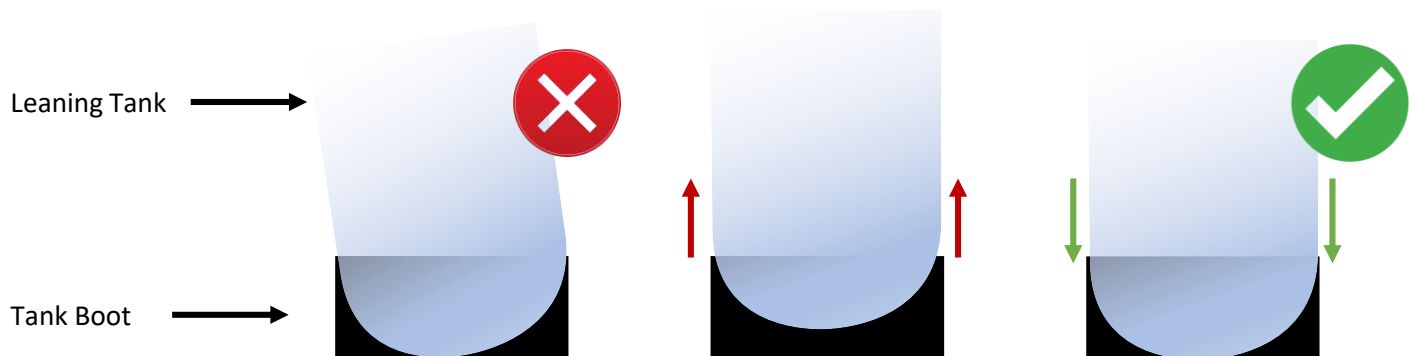


# Well Water Filter and Salt-Free Water Softener



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

## 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.

# Well Water Filter and Salt-Free Water Softener

## System Specifications



WS1	
Tank Width	10"
Tank Height	54" (64" with Head)
Flow Rate	12 GPM Service
Connection Size	3/4"
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	3/4"
Backwash Rate	7 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6.8 – 10



FS1	
Tank Width	6"
Tank Height	35" (39" with Head)
Flow Rate	12 GPM Service
Connection Size	1"
Max Pressure	75 PSI
Operating Temperatures	35 – 110 F

FS4	
Tank Width	9"
Tank Height	48" (52" with Head)
Flow Rate	15 GPM Service
Connection Size	1"
Max Pressure	75 PSI
Operating Temperatures	35 – 110 F

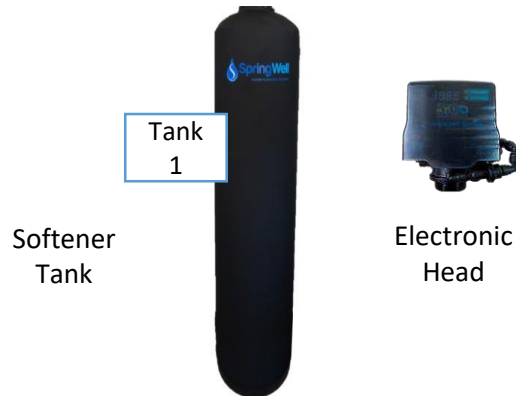
# Well Water Filter and Salt-Free Water Softener



Note: If your tank was shipped with a jacket, it can be zipped around the tank prior to or after the installation is completed.

## Installing the Well Water Filter Electronic Head

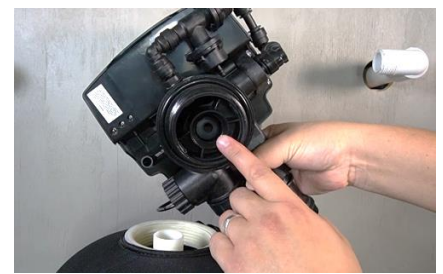
This step will require the materials listed below



1) Unscrew the cap on top of the well water filter 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 well water filter 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.



# Well Water Filter and Salt-Free Water Softener

## Installing the Well Water Filter Electronic Head



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



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 valve.



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



11) Apply plumbers' tape to both MNPT Fittings.

# Well Water Filter and Salt-Free Water Softener

## Installing Bypass of Softener Tank

This step will require the materials listed below

Tank  
2



Softener Tank  
(CF)



Red Bypass Valve



MNPT Fittings  
(x2)

### Bypass Operation



Bypass on, water does not flow through tank



Bypass off, water flows through tank



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



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



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



Note: Plumbers tape will also need to be applied to the threads on the softening tank.

# Well Water Filter and Salt-Free Water Softener

## Prepping the Pre-Filter

This step will require the materials listed below



Pre-Filter Housing



Sediment Filter



O-Ring w/Lube



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



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



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



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



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



20) Replace the lid and fully tighten it



# Well Water Filter and Salt-Free Water Softener

## Installing the Pre-Filter

This step will require the materials listed below



21) Plumbers tape will need to be applied to all PVC threads during the installation.



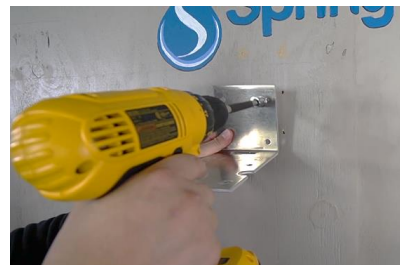
22) Install a PVC nipple onto each the inlet and outlet of the pre-filter housing. Fully tighten using pliers avoiding damage to the threads on the PVC nipples.



23) 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.



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



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



26) 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.

# Well Water Filter and Salt-Free Water Softener

## Installing the Tanks Part 1



27) Use the remaining 4 bolts to secure the pre-filter to the mounting bracket.



Well Water Filter Tank

This step will require the materials listed below



Wrench



Plumbers Tape



1-inch (24-inch Long) Corrugated Water Connectors (x1)



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



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



29) Install a 1" threaded adapter on both ends of the pre-plumb



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



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



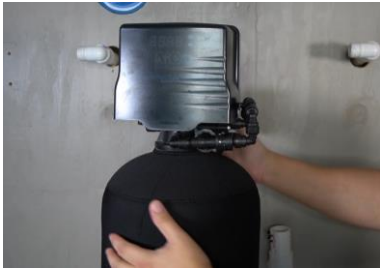
31) Apply plumbers' tape to the third PVC nipple.



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

# Well Water Filter and Salt-Free Water Softener

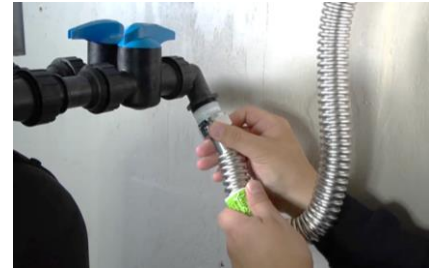
## Installing the Tanks – Part 1



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



34) Connect a water connector to the PVC nipple coming out from the shut off valve.



35) 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 require the materials listed below



50' Drain Line



Hose Clamp



Zip Ties



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



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



38) Pull the drain valve straight out.



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



# Well Water Filter and Salt-Free Water Softener



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



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



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



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



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



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



46) 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.



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



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

# Well Water Filter and Salt-Free Water Softener

## Installing the Tanks – Part 2



Note: Ensure there are no kinks or pinches on the drain line to avoid issues with drainage.

This step will require the materials listed below



Softener Tank



Wrench



Plumbers Tape



1-inch (24-inch Long) Corrugated Water Connectors (x3)



49) Connect a corrugated water connector to the incoming side of the pre-filter.



50) Connect the other end of the connector to the outgoing side from the well water filter.



51) Connect a water connector to the outgoing side of the pre-filter.



52) Connect the other end to the inlet on the softening tank.  
**Note: The inlet and outlet on this tank are opposite the well water filter.**



53) Connect the fourth water connector to the outgoing side of the softening tank.



54) Connect the other end of the connector to the other end of the pre-plumb. The end leading into the home.



# Well Water Filter and Salt-Free Water Softener

## Powering the Tank Head

This step will require the materials listed below



Well Water Filter Tank  
(Already Installed)



Power  
Supply



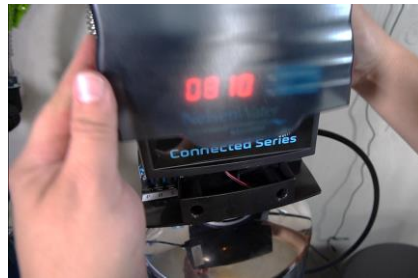
9v Battery



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



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



57) Lift off the cover on the electronic head.



58) Locate the batter connection beneath the display. Connect a 9v battery then store it in the tray.



59) Replace the tank head cover.



You are ready to test the system

# Well Water Filter and Salt-Free Water Softener

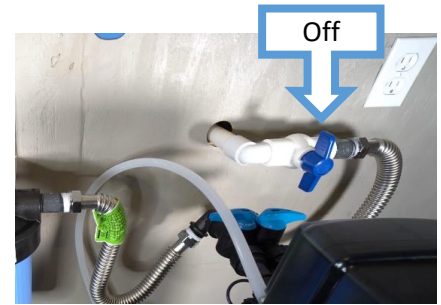
## Testing the System



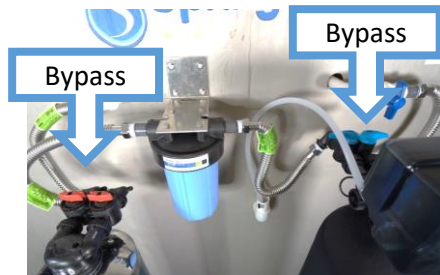
60) Before turning the water back on to the home, use the provided spanner wrench to fully tighten the pre-filter housing.



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



62) Before turning on the water to the home ensure the shut off valve to the system is in the off position.



63) Ensure that the valves on both tanks are set to bypass.



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



65) If no leaks are detected, open the shut off valve to allow water flow through the tank bypasses.



66) If no leaks are detected from the bypass, turn off the bypass to the well water filter tank and allow water to flow through it.



67) Turn off the bypass to the softener tank and allow water to flow through it.



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

# Well Water Filter and Salt-Free Water Softener

## Setting Well Water Head Values

This step will require the materials listed below



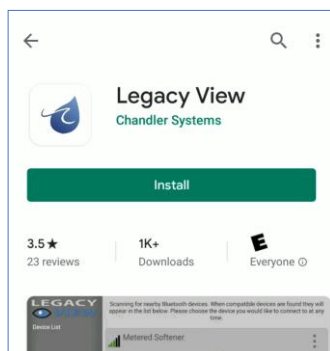
Well Water Filter Tank  
(Already Installed)



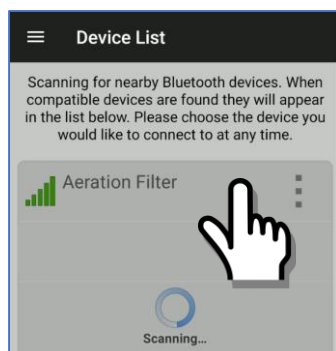
Mobile  
Device



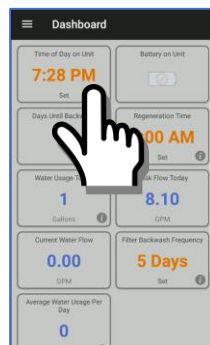
Note: The electronic tank heads must be powered and installed prior to setting the tank values.



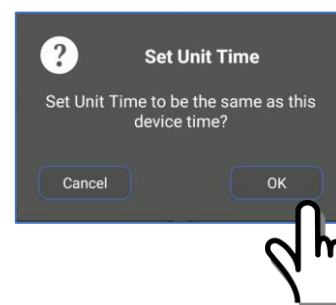
69) Look up “Legacy View” in the app store and install it.



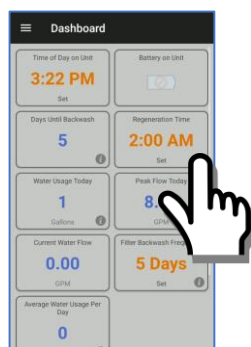
70) Open the app and select the Aeration Filter.



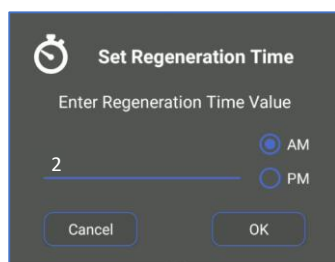
71) Tap “Time of Day on Unit” to change the time.



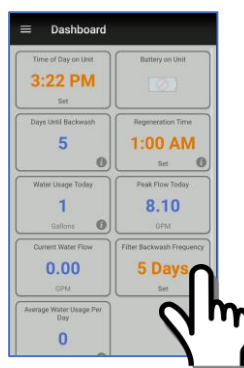
72) Select “OK” to set the time on to the same time as your mobile device.



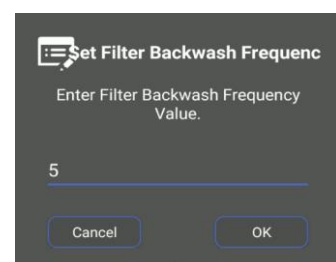
73) The tank should regen while water is not used in the home..



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



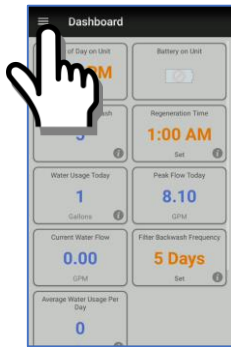
75) Tap “Filter Backwash Frequency.”



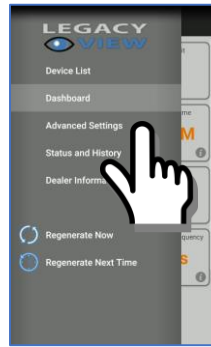
76) Change the frequency to 5 days. Hit OK.

# Well Water Filter and Salt-Free Water Softener

## Setting Well Water Filter Values



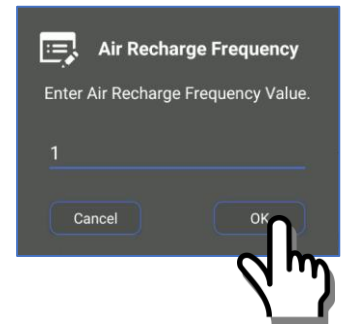
77) Select the menu icon in the upper left-hand corner.



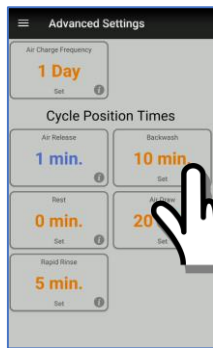
78) Select "Advanced Settings."



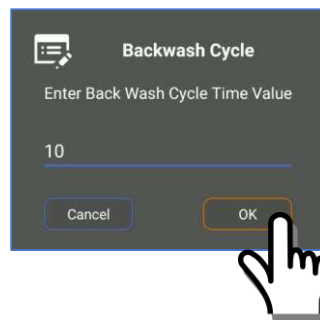
79) Tap "Air Charge Frequency."



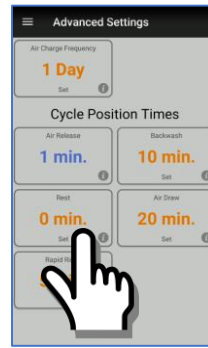
80) Change the value to 1 day.



81) Tap "Backwash."



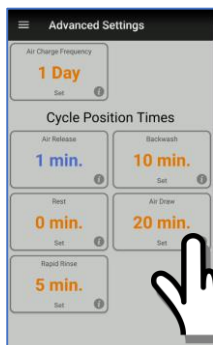
82) Change the value to 10 min.



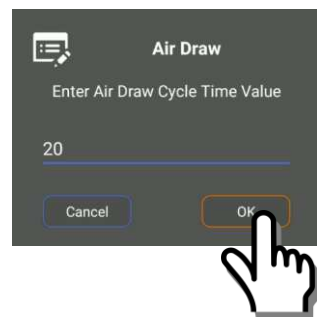
83) Tap "Rest."



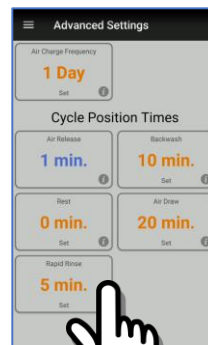
84) Set the value to 0 min.



85) Select "Air Draw."



86) Set the value to 20 min.



87) Select "Rapid Rinse."



88) Set the value to 5 min.

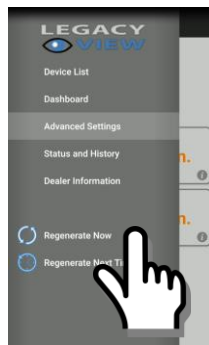


# Well Water Filter and Salt-Free Water Softener

## Setting Softener Values



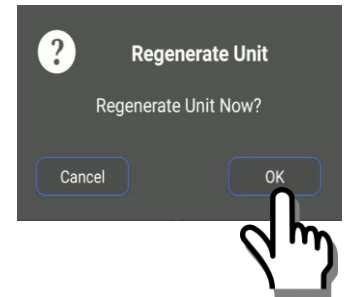
89) Tap the Menu Icon.



90) 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.



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

**Once the regenerations on the tank is completed, the system is ready to use.**

