



# SpringWell

WATER FILTRATION SYSTEMS



## Installation Instructions

### WELL WATER FILTER SYSTEM

MODELS: WS1, WS4

SpringWell Water Systems has once again taken the latest technologies in water filtration and designed a more economical and environmentally friendly well water system.

Scan here to see  
installation video walk-thru



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



**800-589-5592**

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

# Well Water Filter System Setup and Installation

## System Contents



Well Water  
Filter Tank



Electronic  
Head for Well  
Water Filter  
(Tank 1)



MNPT Fittings



Power  
Supply



50' Drain Line



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



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



1-Inch PVC Shut Off Valve



Zip Ties

## System Configuration

Water Source  
From Your Well



The Well Water Filter uses an air  
injecting oxidation filter to  
remove iron, sulfur, and  
manganese from your water

# Well Water Filter System



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

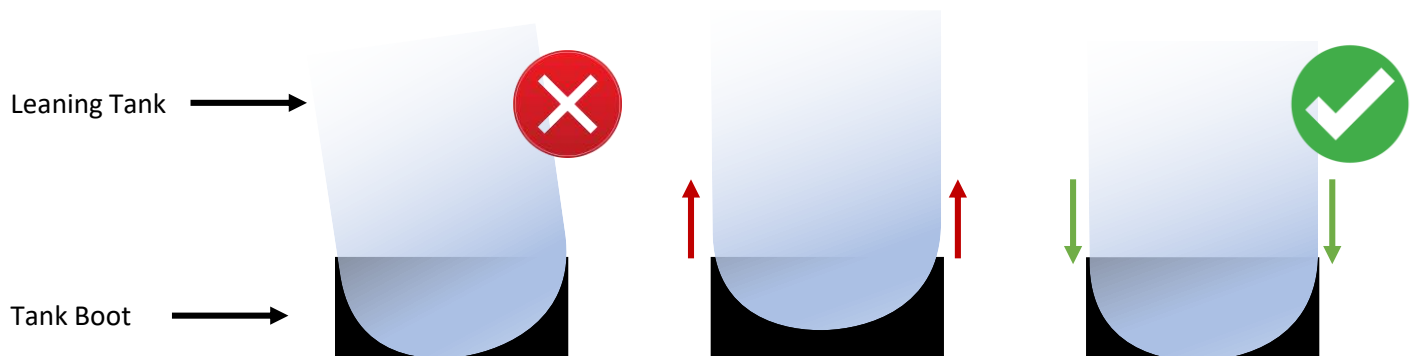
## System Specifications



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

## Level Tank



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.

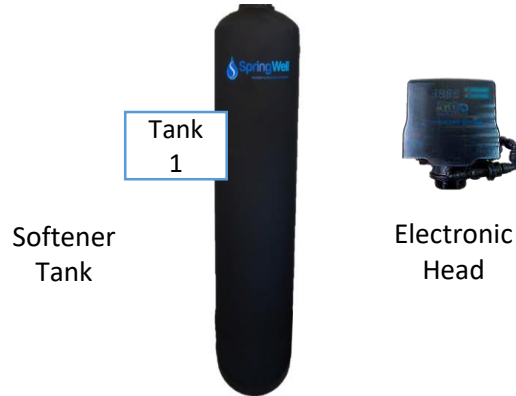
# Well Water Filter System



Note: If you purchased a neoprene 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 System

## 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 System

## Installing the Tank – Part 1

This step will require the materials listed below



Well Water  
Filter Tank



1-Inch PVC  
Shut Off Valve



Plumbers Tape



1-inch (3-inch long) PVC  
Nipple



Wrench



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



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



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



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



14) 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.



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



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



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

# Well Water Filter System



18) Connect a water connector to the other side of the pre-plumb. The side leading back into the home. Ensure it is fully tightened.



19) Connect the other end of the corrugated pipe to the outgoing side from the well water filter. Ensure it is fully tightened.

## Installing the Drain Line

**This step will require the materials listed below**



50' Drain Line



Hose  
Clamp



Zip Ties



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



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



22) Pull the drain valve straight out.



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

# Well Water Filter System



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



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



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



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



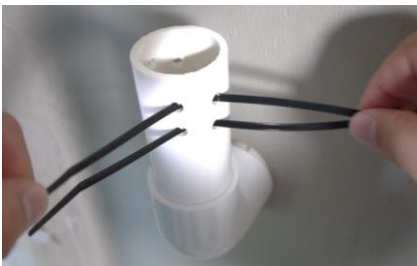
28) Insert the blue tab to lock the drain valve back in position.



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



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



30) 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.



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



32) 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 System

## Powering the Tank Head

This step will require the materials listed below



Well Water Filter Tank  
(Already Installed)



Power  
Supply



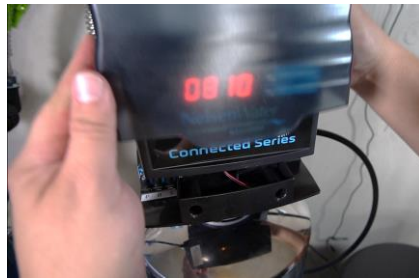
9v Battery



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



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



35) Lift off the cover on the electronic head.



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



37) Replace the tank head cover.



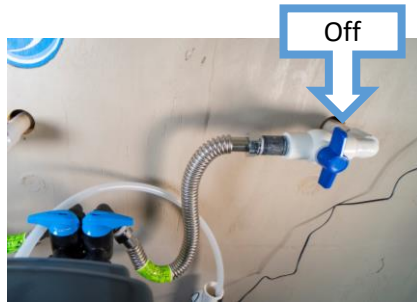
You are ready to test the system

# Well Water Filter System

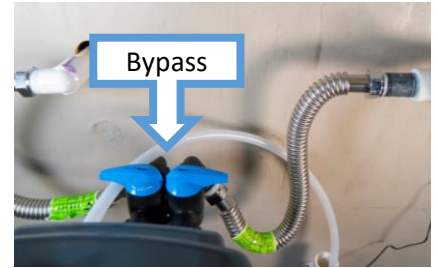
## Testing the System



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



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



40) Ensure that the valves on the tank is set to bypass.



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



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



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



44) 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 System

## Setting Well Water Head Values

This step will require the materials listed below



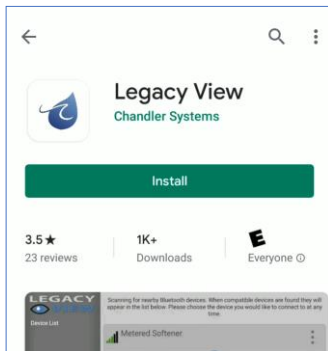
Well Water Filter Tank  
(Already Installed)



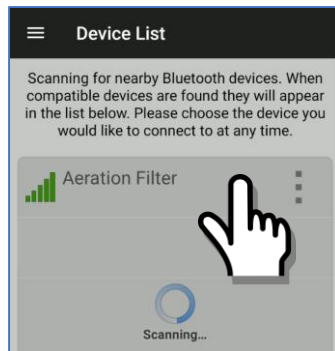
Mobile  
Device



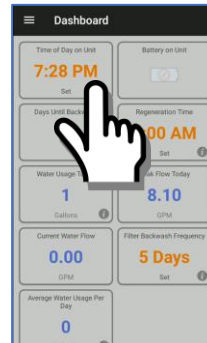
Note: The electronic tank heads must be powered and installed prior to setting the tank values.



45) Look up "Legacy View" in the app store and install it.



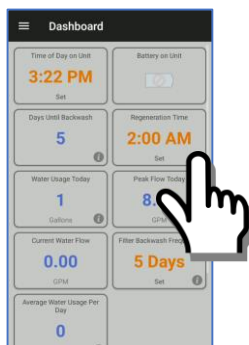
46) Open the app and select the Aeration Filter.



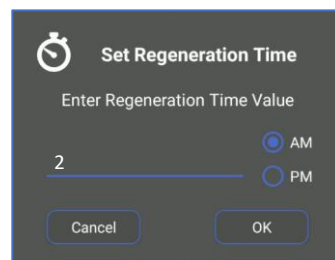
47) Tap "Time of Day on Unit" to change the time.



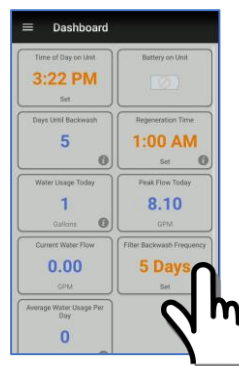
48) Select "OK" to set the time on to the same time as your mobile device.



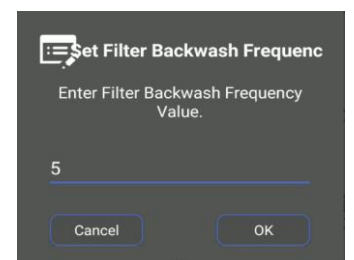
49) The tank should regen while water is not used in the home..



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



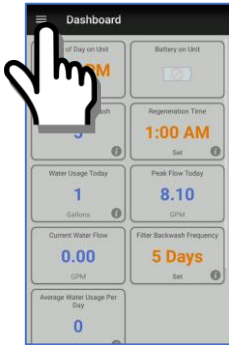
51) Tap "Filter Backwash Frequency."



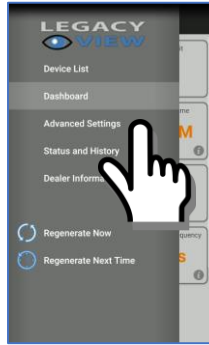
52) Change the frequency to 5 days. Hit OK.

# Well Water Filter System

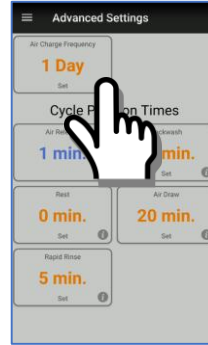
## Setting Well Water Filter Values



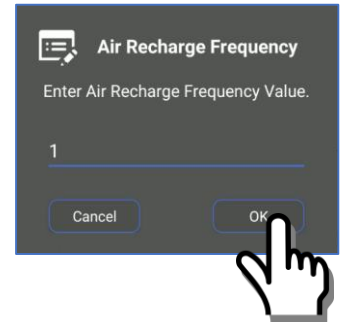
53) Select the menu icon in the upper left-hand corner.



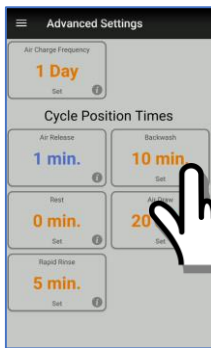
54) Select "Advanced Settings."



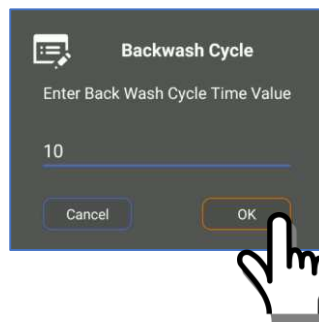
55) Tap "Air Charge Frequency."



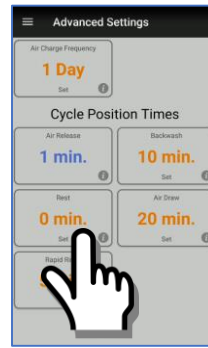
56) Change the value to 1 day.



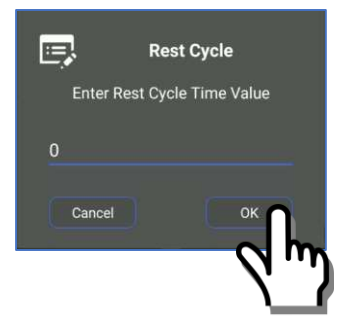
57) Tap "Backwash."



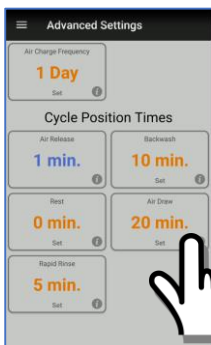
58) Change the value to 10 min.



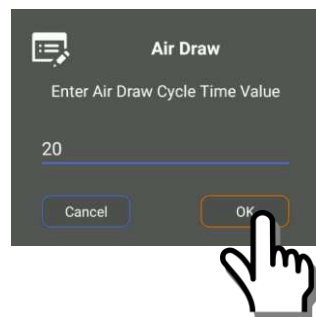
59) Tap "Rest."



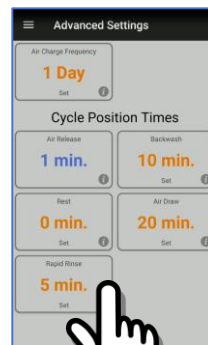
60) Set the value to 0 min.



61) Select "Air Draw."



62) Set the value to 20 min.



63) Select "Rapid Rinse."



64) Set the value to 5 min.

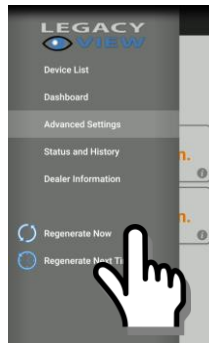


# Well Water Filter System

## Setting Softener Values



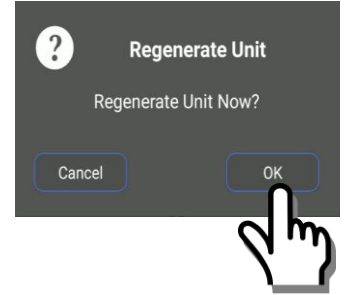
65) Tap the Menu Icon.



66) 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.



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

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

