



SpringWell

WATER FILTRATION SYSTEMS



Installation Instructions

pH Neutralizer

MODELS: SCN1-6

SpringWell Calcite pH Neutralizer raises the pH of the water to alleviate the harsh effects of acidic water. Best if used for water in the 6-6.5 pH range.

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



800-589-5592

WWW.SPRINGWELLWATER.COM

pH Neutralizer

Scan for Installation video



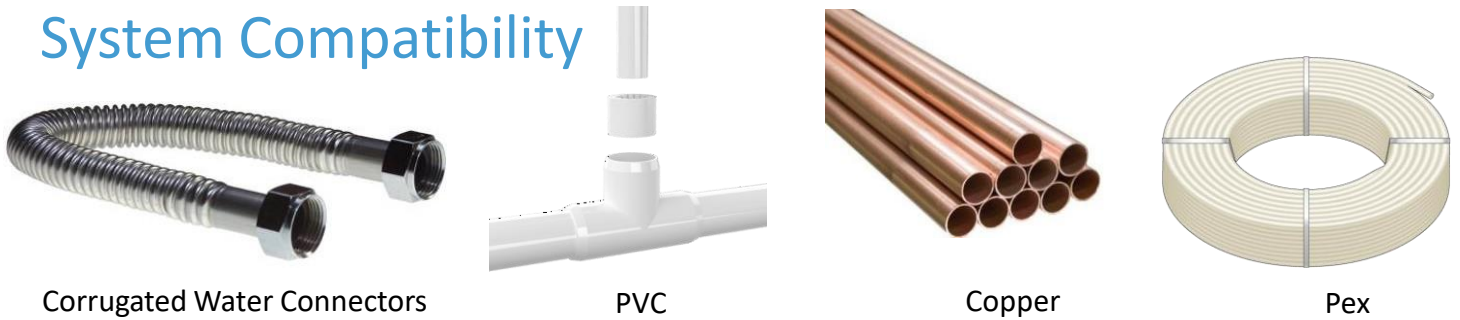
Scan for Installation video

Or click [HERE](#)

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

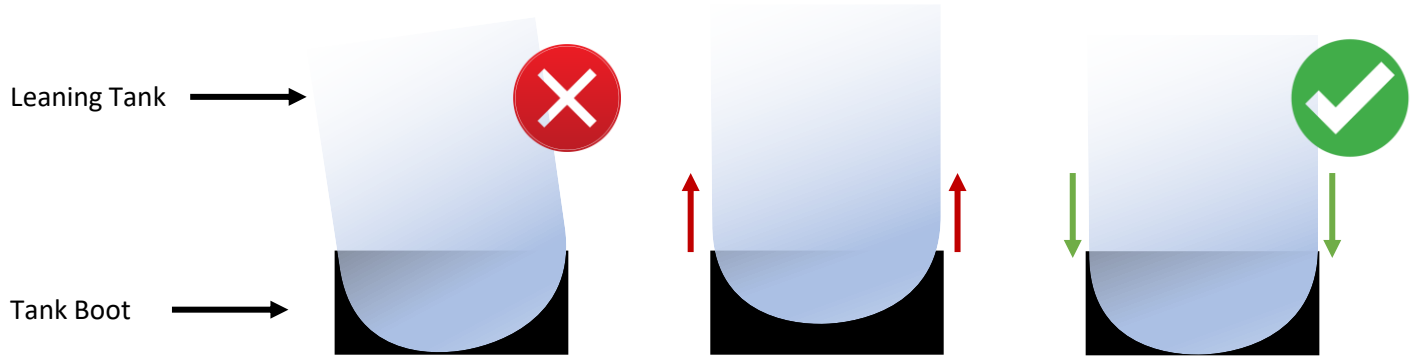


pH Neutralizer



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



System Specifications



SCN1-6	
Tank Width	13"
Tank Height	54" (63" with Head)
Flow Rate	12 GPM Service
Connection Size	1"
Backwash Rate	7 GPM
Operating Pressure	25-80 PSI
Operating Temperatures	36 – 120 F
pH Range	6 – 6.5

pH Neutralizer

Prepping the Install Area



IMPORTANT! Be sure to turn off the water main to your home before proceeding to prepping the pre-plumb!



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



1) 1" threaded adapters are featured in this guide to prep the pre-plumb though the system is compatible with copper, Pex, and corrugated connectors.



2) The electronic head will require a power outlet. The outlet should not be controlled by a wall switch.



3) The electronic head has a drain line that will be used for backwashing. It will require a drainage area near by.



NOTE: Plumber's tape or pipe dope will need to be applied to any threaded connectors.



4) It is suggested to connect a shut off valve onto the incoming water supply.



5) In this example corrugated water connectors are being used so the shut off valve is being prepped with a threaded connector.



6) A corrugated water connector is then connected to the other end of the shut off valve.

pH Neutralizer

Filling the Calcite Tank

This step will require the materials listed below



Calcite Tank



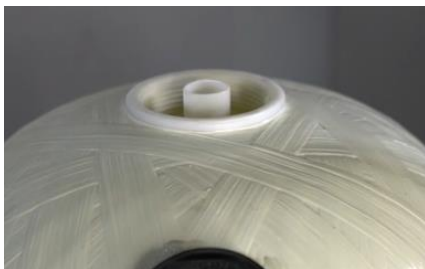
Riser Tube
Cap



Funnel



50lb Bag
Calcite (x3)



7) The riser tube inside the tank will need to be protected from any calcite getting into it.



8) The provided riser tube cap will be inserted temporarily while the tank is filled with calcite.



9) The provided funnel will then be placed into the opening at the top of the tank.



10) Due to the weight of the calcite, it is recommended to pour small amounts into a container instead of attempting to fill directly from the 50lb bags.



11) You will use in 2 ½ bags only. **DO NOT POUR ALL THREE BAGS INTO THE TANK.**



12) Fill the tank with the 2 ½ bags of calcite.

pH Neutralizer

Filling the Calcite Tank



13) The remaining half bag of calcite will need to be stored in a dry area.



14) Remove the funnel from the top of the tank.



15) The blue cap will also need to be removed.

Installing the Softener Electronic Head

This step will require the materials listed below



Calcite Tank



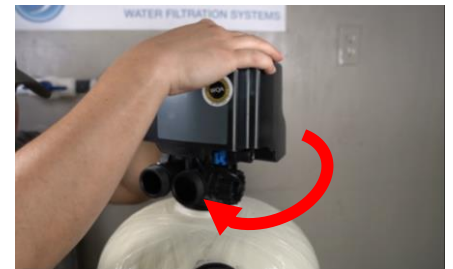
Electronic Head



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



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



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

pH Neutralizer

Prepping the Calcite Tank

This step will require the materials listed below



MNPT Fittings
(x2)



Bypass Valve



Plumbers Tape



19) Wrap the neoprene jacket around the calcite tank.



20) Zip the jacket up to secure it.



21) Insert the rubberized ends of the bypass valve into the connections on the back of the tank head. Press the valve in place.



22) Tighten the fasteners on the bypass valve to secure it in place.



23) The MNPT fittings have a rubberized connector that will be inserted into the bypass valve connections. Press them in place.



24) Fully tighten the fasteners on the MNPT fittings to secure them in place.

pH Neutralizer

Prepping the Calcite Tank



25) The MNPT fittings are designed to pivot once installed.



26) Apply plumber's tape to the threads on both MNPT fittings.



27) Position the tank so the connections are pointing towards the pre-plumb.

Installing the Calcite Tank

This step will require the materials listed below



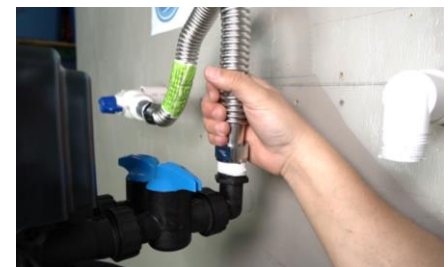
Calcite Tank



28) Before connecting the calcite tank to your plumbing make note of the inlet and outlet arrows stamped onto the bypass valve.



29) A connection will now be installed from the incoming water from your well towards the inlet of the calcite tank.



30) Connect the line from the well water to the inlet of the calcite tank. Be sure to fully tighten the connection.

pH Neutralizer

Installing the Calcite Tank



31) Install another connector to the outlet of the calcite tank. Be sure it is fully tightened.



32) Connect the connector from the outlet to the pre-plumb connection leading into the home.

Prepping The Tank Head

This step will require the materials listed below



Calcite Tank



50' Drain Line



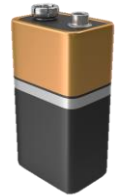
Drain Connector



Hose Clamp



Power Supply



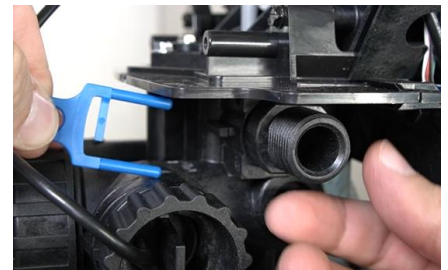
9v Battery



33) Lift off the cover to the electronic head.



34) Locate the drain connection on the left side of the tank head.



35) Remove the blue lock tab from behind the drain connection.

pH Neutralizer

Prepping The Tank Head



36) Pull out the drain connector.



37) Thread the drain connector into the push connector and fully tighten.



38) Once tightened, it should look like this.



39) Slide the provided hose clamp over one end of the 50" drain line.



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



41) Align the hose clamp over the connection and align as shown here.



42) Tighten the hose clamp with a flat head screwdriver.



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



44) Press the drain line in place while inserting the blue tab to lock it in place.

pH Neutralizer

Prepping The Tank Head



45) Thread the other end of the drain line towards the drain. Leave a little slack and trim away the rest.



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.



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



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



49) The power cord will be connected to the connection on the far left. It is labeled as "P."



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



51) Locate the battery connection beneath the display.



52) Connect a 9v battery and store it in the tray beneath the display.



53) Replace the tank head cover.

pH Neutralizer

Testing the System



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



55) If you installed a shut off valve, place it in the OFF position.



56) Set the valves on the tank head to BYPASS.



Turn On Water To Home

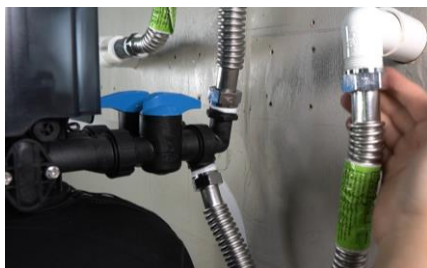
57) Restore water to the home.



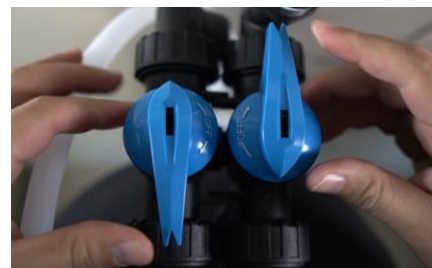
58) Inspect the shut off valve and connection for leaks.



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



60) Inspect all of the other connections for leaks.



61) If no leaks are detected open the bypass to the tank to allow water to flow through it.



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

pH Neutralizer

Setting Backwash Values

This step will require the materials listed below



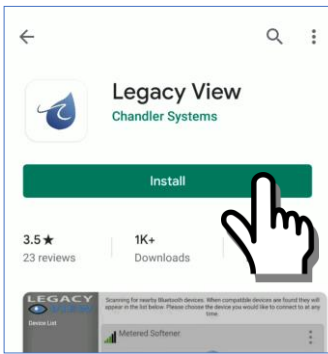
Calcite Tank
(Already Installed)



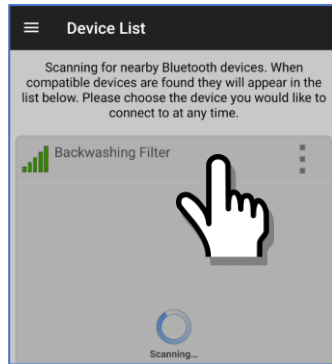
Mobile
Device



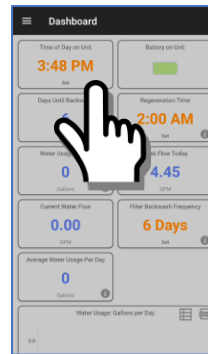
Note: The electronic tank head must be powered and installed prior to setting the tank values.



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



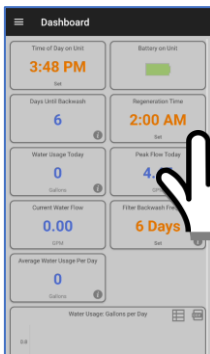
64) Open the app and select the backwashing filter from the list.



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



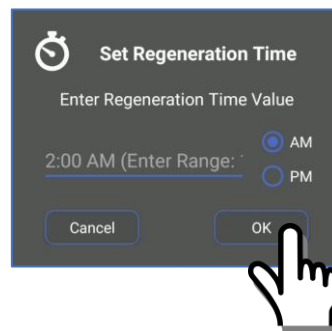
66) Select "OK" to set the time on to the same time as your device.



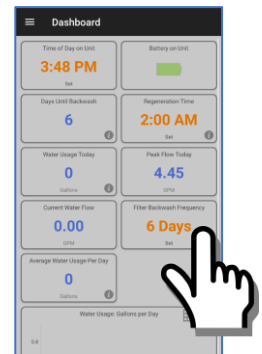
67) To modify the regen time tap on that tile.



Note: If your system has multiple electronic heads you will need to stagger their regeneration.



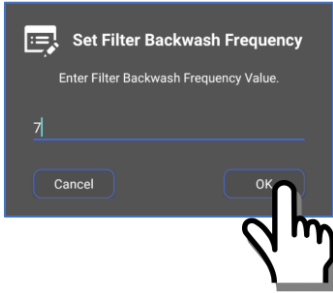
68) You want the system to regen while water is not being used. The default is usually 2:00am



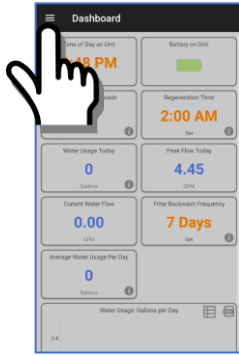
69) Tap on "filter backwash frequency."

pH Neutralizer

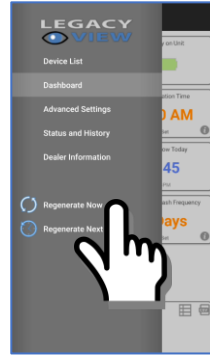
Setting Backwash Values



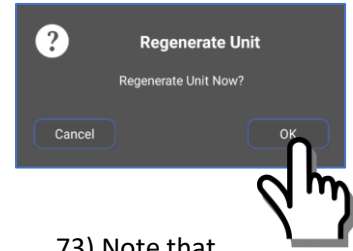
70) Change the value to 7 days.



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



72) Select "Regenerate Now."



73) Note that regeneration will take 45 minutes. You will not be able to use water during this time. If OK, tap "OK."

74) Once the regeneration is complete your system is ready to use.



pH Neutralizer

Replenishing System Calcite

This step will require the materials listed below



Calcite Tank
(Already Installed)



Calcite



Funnel



Flashlight



Note: The water pressure must be purged prior to opening the tank for refilling.



75) To check the Calcite level, remove the neoprene jacket.



76) Place a flashlight behind the tank to check the calcite level. If 10" or less, you will need to add calcite.



77) The goal is to have the calcite reach approx. 25" up the tank. This is roughly 1 ½ bags, or 75lbs of Calcite from the 10" measurement.



Turn On Water To Home

78) Shut off the water to the home.



79) If you installed a shut off valve water can be shut off that way.



80) Turn on the cold water to a tub or shower and wait for the water to stop flowing.

pH Neutralizer

Replenishing System Calcite



81) Once pressure has been released set the tank to BYPASS.



82) Locate the capped opening on the side of the tank.



83) Unscrew the cap to open the tank. Note: Water will seep out of the opening.



84) Insert a funnel into the opening.



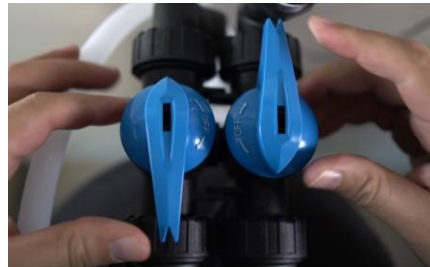
85) Add the calcite to the tank using the funnel. Note: Calcite will displace water and cause water to exit the tank opening during refill.



86) Replace the cap and fully tighten it.



87) Replace the neoprene jacket and zip it into place.



88) Turn off the bypass to the tank head.



89) Turn the water to the home back on.



90) If a shut off valve was installed, it can be opened.



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