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.
System Contents

Calcite Tank, Neoprene Jacket, 50’ Drain Line, Riser Tube Cap, Electronic Head, Drain Connector, Hose Clamp, Power Supply, MNPT Fittings (x2), Bypass Valve, Funnel, 50lb Bag Calcite (x3)

System Compatibility

Corrugated Water Connectors, PVC, Copper, Pex

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

Water Source From Well
If installing with other components, install Spin Down Filters ahead of the Calcite pH Neutralizer

1) Calcite pH Neutralizer

Neutralized Water Into Home
Other Systems
Other tanks such as Carbon Filters or Softeners will be installed after the Calcite pH Neutralizer

Questions? Call (800)-589-5592
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

<table>
<thead>
<tr>
<th>SCN1-6</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Tank Width</td>
<td>13”</td>
</tr>
<tr>
<td>Tank Height</td>
<td>54” (63” with Head)</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>12 GPM Service</td>
</tr>
<tr>
<td>Connection Size</td>
<td>1”</td>
</tr>
<tr>
<td>Backwash Rate</td>
<td>7 GPM</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>25-80 PSI</td>
</tr>
<tr>
<td>Operating Temperatures</td>
<td>36 – 120 F</td>
</tr>
<tr>
<td>pH Range</td>
<td>6 – 6.5</td>
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</table>
Prepping the Install Area

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

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.

*Note: Plumber’s tape or pipe dope will need to be applied to any threaded 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.

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.

Questions? Call (800)-589-5592
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.

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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.

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.
Prepping the Calcite Tank

This step will require the materials listed below:

- Calcite Tank
- Neoprene Jacket
- 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.

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

26) Apply plumbers tape to the threads on both MNPT fittings.

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

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.

Prepping the Calcite Tank

Installing the Calcite Tank

This step will require the materials listed below
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

- 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.

Questions? Call (800) 589-5592
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.

Questions? Call (800)-589-5592
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.

48) Insert the drain line into the zip tie loops and secure in pace. 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.

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

Questions? Call (800) - 589-5592
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.

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.

Questions? Call (800)-589-5592
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 stage 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.”
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.
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.

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.

Questions? Call (800)-589-5592
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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<tbody>
<tr>
<td>81)</td>
<td>Once pressure has been released set the tank to BYPASS.</td>
</tr>
<tr>
<td>82)</td>
<td>Locate the capped opening on the side of the tank.</td>
</tr>
<tr>
<td>83)</td>
<td>Unscrew the cap to open the tank. Note: Water will seep out of the opening.</td>
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<tr>
<td>84)</td>
<td>Insert a funnel into the opening.</td>
</tr>
<tr>
<td>85)</td>
<td>Add the calcite to the tank using the funnel. Note: Calcite will displace water and cause water to exit the tank opening during refill.</td>
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<tr>
<td>86)</td>
<td>Replace the cap and fully tighten it.</td>
</tr>
<tr>
<td>87)</td>
<td>Replace the neoprene jacket and zip it into place.</td>
</tr>
<tr>
<td>88)</td>
<td>Turn off the bypass to the tank head.</td>
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<tr>
<td>89)</td>
<td>Turn the water to the home back on.</td>
</tr>
<tr>
<td>90)</td>
<td>If a shut off valve was installed, it can be opened.</td>
</tr>
<tr>
<td>91)</td>
<td>Allow water to run through the system for 10 minutes. It is normal to see a small amount of sediment during this time.</td>
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