GENESIS SODA ASH pH NEUTRALIZING FEED SYSTEM





OWNERS MANUAL

REVISION # 1
REVISION DATE 3/18/2022

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Important Information

- Read these instructions carefully and determine the location of all system components before beginning installation.
- Check all applicable plumbing, building, and electrical codes for installation compliance.
- Install the system on the main water supply.
- Systems that contain electronic components cannot be installed outside in uncovered areas.

⚠ WARNING:

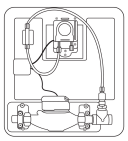
If this or any other system is installed in a metal (conductive) plumbing system, i.e. copper or galvanized metal, the plastic components of the system will interrupt the continuity of the plumbing system. As a result any errant electricity from improperly grounded appliances downstream or potential galvanic activity in the plumbing system can no longer ground through contiguous metal plumbing. Older homes may have been built in accordance with building codes from decades ago, some of which actually encouraged the grounding of electrical appliances through the plumbing system. Consequently, the installation of a bypass consisting of the same material as the existing plumbing, or a grounded "jumper wire" bridging the equipment and re-establishing the contiguous conductive nature of the plumbing system must be installed prior to your systems use.

Private Well:

When adding a filtration/softening system to homes/buildings supplied by well water, the system should be installed following the pressure tank.

Complete Parts List

Table 1: Parts List

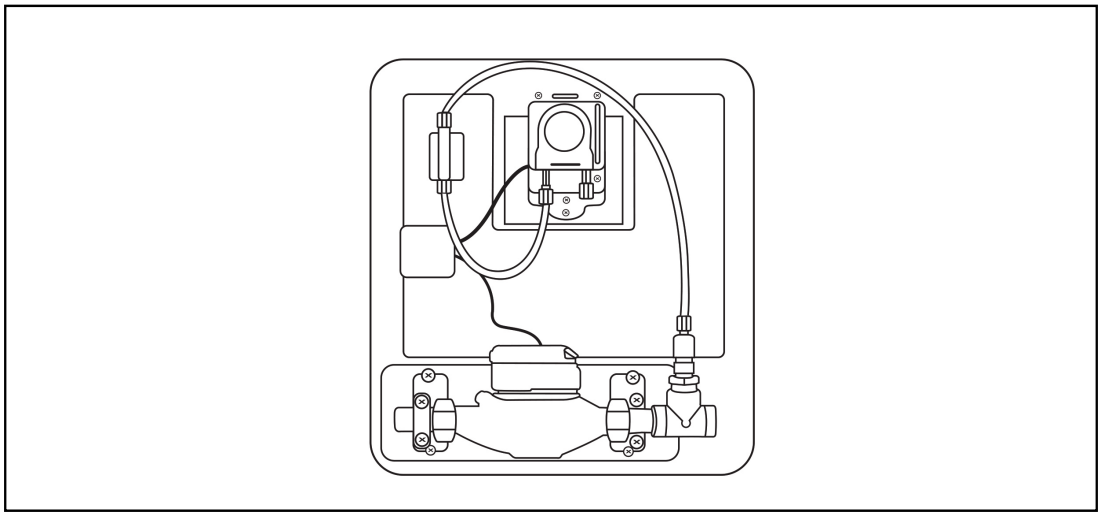
Part	Description	Qty.
	**Solution Tank**	1
	**Feed Panel**	1
	**Chemical Injector Pump Tubing**	1

Note: Drawings are not to scale.

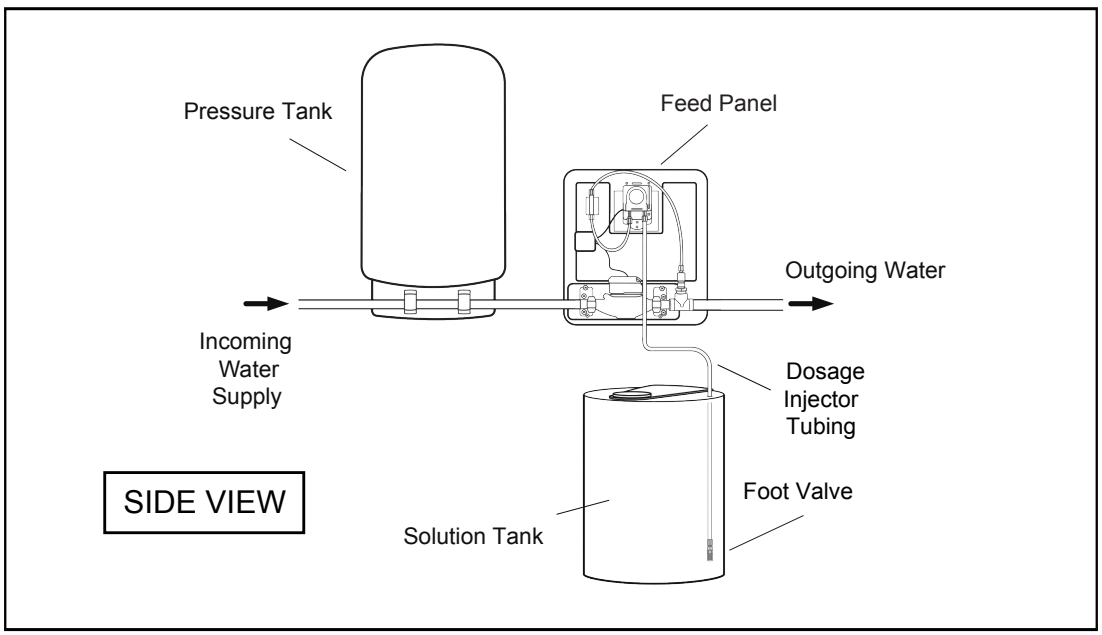
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Installation

Proportional Feed Panel



Chemical Injector Pump Installation

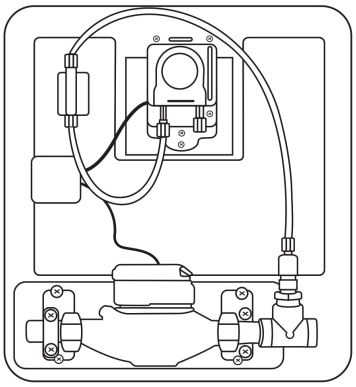


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Complete the Installation

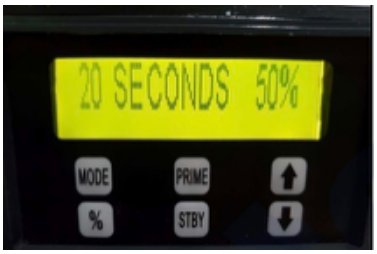
1. Turn on the main water supply.
2. Check for leaks.

Feed Panel



Chemical Injection Pump Start-up Instructions

1. Plug the chemical pump power cord into a continuously energized 110v outlet. The chemical pump should be set when the unit is shipped. It should be set to "20 SECONDS" and the percentage should be set on 50%.



2. If changes need to be made, the pump must be unlocked. If the pump is locked, push and hold the mode and the percentage "%" buttons at the same time and hold them for 3-5 seconds. The pump locked sentence will disappear. If "STANDBY" is on the screen, push and hold the "MODE" and "STBY" buttons and "STANDBY" will disappear.
3. To change the "mode" to "20 SECONDS", hold the mode button while using the up or down arrows to change the setting.
4. To change the percentage, press and hold the "%" button while using the up or down arrows to change the percentage to the desired rate. The pump is now programmed.
5. Once the pump is programmed, add water and soda ash into the tank at 3oz to every gallon. Or follow instructions on the soda ash container.

NOTE: If the pump is showing "STANDBY", hold the "MODE" button and push the "STBY" button to take the pump out of the standby mode. The display will not show "STANDBY" if it is in normal operation. BE SURE to check that the pump is not in the "STANDBY" mode. If the pump is left in "STANDBY", it will not operate during regeneration as intended. If the pump is "LOCKED", it will need to be unlocked to make changes. If the valve is "LOCKED", press and hold the "MODE" and "%" buttons at the same time for 3-5 seconds to unlock.

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Solution Tank Installation

1. Remove the black cap from the opening on the Solution Tank.
2. Insert the end of the Chemical Injector Pump Tubing with the pump foot valve connected into the hole, which was covered by the black cap on the top of the Solution Tank.
3. Feed and pull the other end of the tubing through the drilled opening on the top of the Solution Tank.
4. Determine the length of the Chemical Injector Pump Tubing required for the foot valve to reach 1" from the bottom of the Solution Tank and cut tubing.
5. Connect the Chemical Injector Pump Tubing to the suction valve on the Chemical Injector Pump by removing the suction hose nut, place nut over tubing, push tubing onto suction valve and tighten nut.
6. Fill the Solution Tank using 3 oz of soda ash to each 1 gallon of water. Ensure tank is full. Thoroughly mix the solution to avoid spikes in pH.

Testing pH Levels in Water

1. Turn on the nearest faucet to the system (cold water only).
2. Listen and watch the pump to make sure it is pumping soda ash solution. Pump should pulse and not run continuously. If water is off pump will stop.
3. After 15 minutes test the pH of the water at the same sink.
4. If the pH is too high reduce the seconds by 5 seconds.
5. If too low increase by 5 seconds and re-test until you achieve the desired result of 7.0 to 7.2.

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Maintenance

Chemical Injector Pump

- Change pump tube once a year. Replacement tubes are available from www.Discountwatersofteners.com

Solution Tank Refill

- Check the level of the Solution Tank twice per month. Do not let the liquid in the tank fall below 1/4 full.
- Fill the Solution Tank with soda ash and treated water as needed. (Water that has gone through your filtration system).

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