



Pelican Water Systems

Owner's Manual

Calcite pH Neutralizer

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Product Operation and Specifications

Specification Description	1-3 Bath Tank	4-6 Bath Tank
Max Flow Rate	10 GPM *	15 GPM **
Minimum Working Pressure	25 PSI	
Maximum Working Pressure	100 PSI	
Maximum Vacuum	5 inch/127 mm Hg	
Operating Temperatures	36°F – 120°F	
pH Range	6 – 7	

*Minimum Rated Service Flow must be at least 3 GPM.

**Minimum Rated Service Flow must be at least 5 GPM.

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.

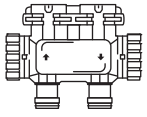
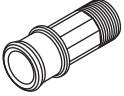

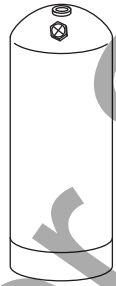

CAUTION:

When adding a filtration/softening system to homes/buildings supplied by well water, the system should be installed following the pressure tank. **DO NOT USE this system for pneumatic or hydro pneumatic applications. If you are using a booster pump, then install this system following the booster pump.** If you have questions, please call customer service.

Complete Parts List

Note: Pelican supplies the parts below to accommodate a variety of water supply lines.

Table 1: Parts List

Part	Description	Qty.	Part	Description	Qty.
	Bypass Valve for Electronic Head	1		1" PVC Tail Adaptor for Electronic Head Bypass	2
	PVC Tubing Drain Line (50 ft.)	1		Calcite Tank	1
	Electronic Head	1			

Note: Drawings are not to scale.

Additional fittings will be needed to adapt to your plumbing.

Installation Overview

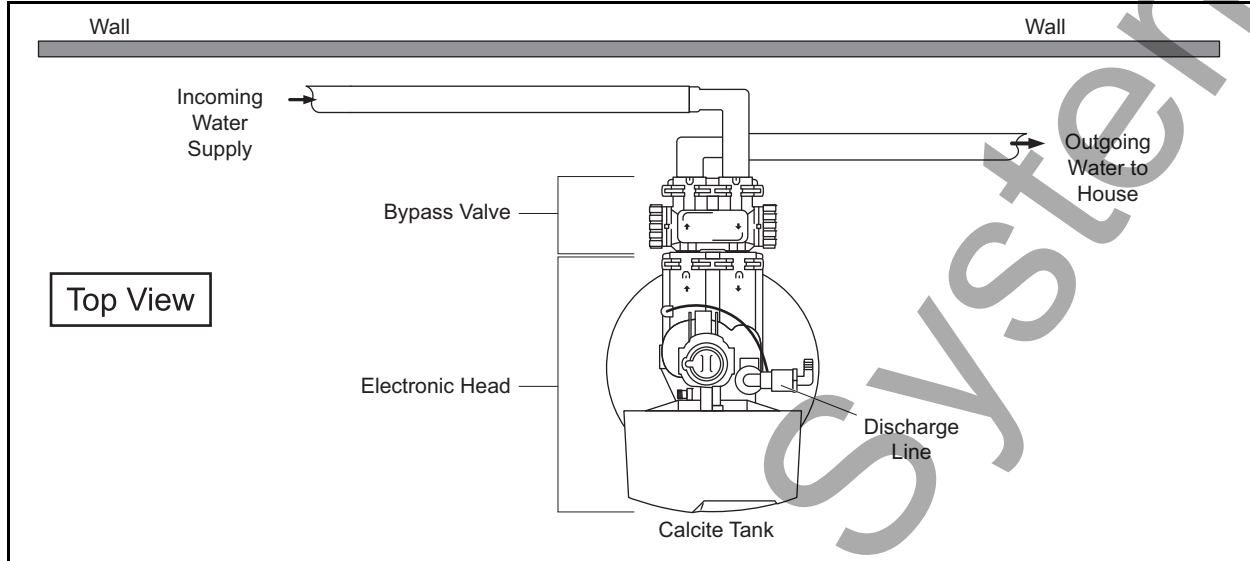


Figure 1

Pre-Installation

Bypass Valve Installation

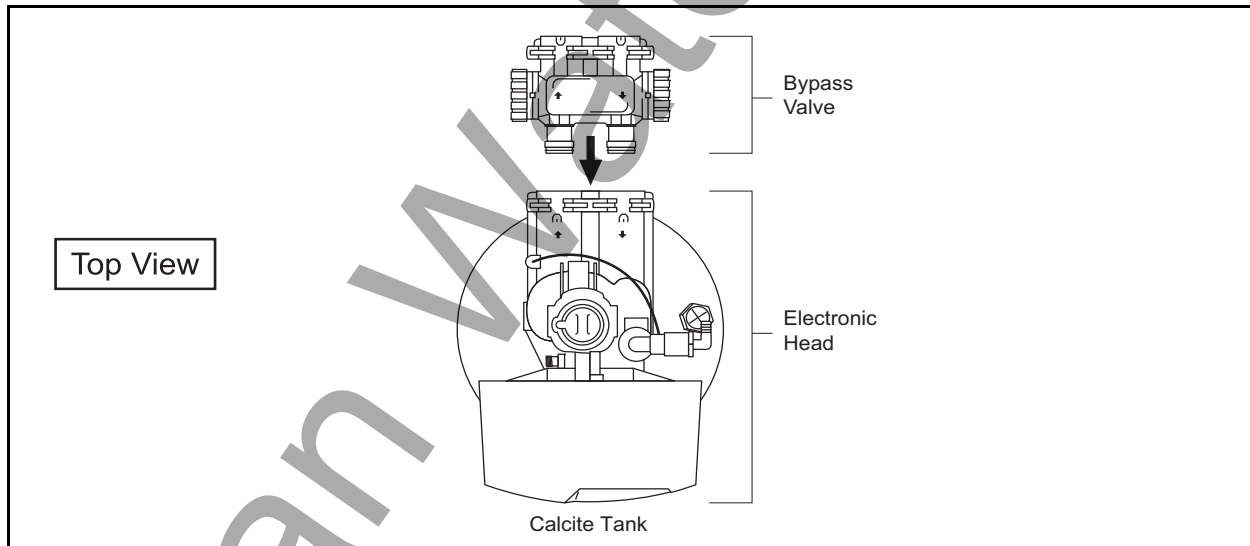


Figure 2

If the Red Clips are in the slots (female opening of Electronic Head) remove them. Push the male O-Ring side of the Bypass Valve into the female opening of the Electronic Head. Push the Red Clips back into the slots to tighten.



Notice:

The Bypass Valve on the Electronic Head can be set to Bypass or Service by turning the knobs on the side of the valve. If the holes are up and down then the tank is in the Bypass Mode. If the holes are side to side then the tank is in the Service Mode. Do not remove the red clips from the Bypass Valve after connecting to main water supply.

Installation

Calcite Tank Installation

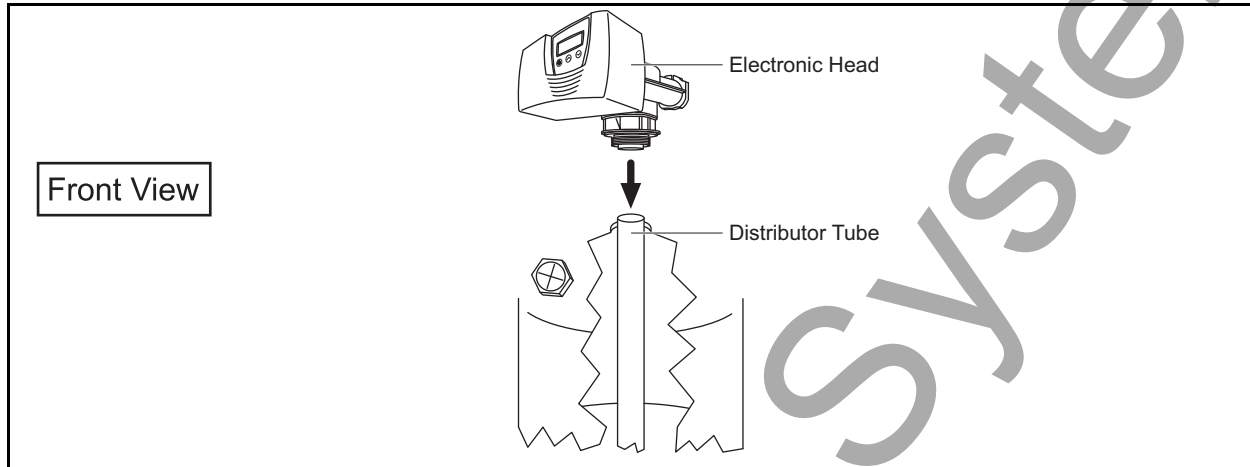


Figure 3

When Leveling the Calcite Tank:



Notice:

If the tank is not level, lift the tank straight up 6 inches and tap it on the ground until the tank stands vertical. The bottom of the tank is round and the boot allows the tank to stand upright.

For a 1-3 Bathroom Tank:

1. Remove the gray cap from the top of the Calcite Tank.
2. Push Electronic Head onto Distributor Tube and screw it onto the Calcite Tank hand-tight.
3. Level the Calcite Tank if needed.

For a 4-6 Bath Tank:

1. Remove the gray cap from the top of the Calcite Tank.
2. Push Electronic Head onto Distributor Tube and screw it onto the Calcite Tank hand-tight.
3. Level the Calcite Tank if needed.

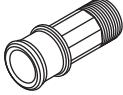
Tank Installation

1. Determine the size and material of your incoming water supply line from the incoming water supply and choose the appropriate fittings required to connect it to the Bypass Valve.

⚠ CAUTION:

Do not over-tighten any of the fittings during installation.

Table 2: Bypass Valve Fittings

Part	Description	Qty.
	1" PVC Tail Adaptor for Electronic Head Bypass	2

Note: The fitting above is designed with a ¼" give to allow for proper pipe alignment. It will not leak and is intended to have some flexibility.

2. Install the fittings onto the inlet and outlet, following the arrows on the Bypass Valve and head.
3. Connect the incoming water supply to the fitting on the inlet side of the Bypass Valve.
4. Connect the outgoing water supply to the outlet side of the Bypass Valve.

Complete the Installation

1. Turn on the main water supply.
2. Check for leaks.
3. Plug in the Electronic Head.

Programming the Electronic Head

Note: These settings are specific to this system. Do not make changes to the settings unless instructed by customer service. All settings have to be set by first setting the clock to 12:01 PM. To restart programming, you must start over at step 1. Do not go to a previous step, you must start over at step 1.

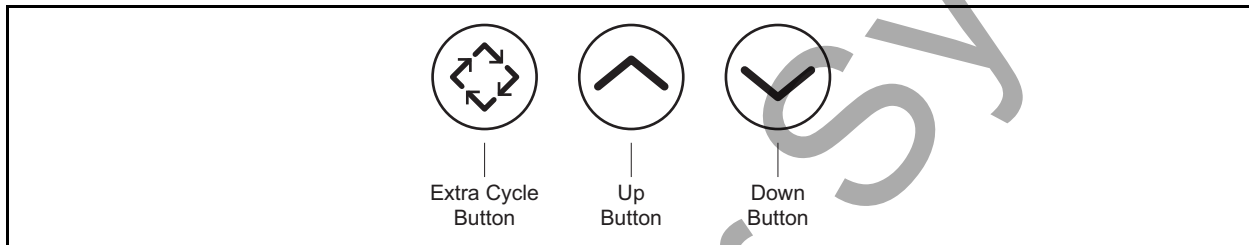


Figure 4

Step 1: Setting the Valve

1. Press and hold the UP or DOWN button to change the clock to 12:01 PM.
2. Press the EXTRA CYCLE button once.
3. Press and hold the UP and DOWN buttons together, until DF is displayed in the left corner. Scroll using the UP and DOWN arrows until "GAL" is selected. Press EXTRA CYCLE.
4. Follow the steps in the table below to finish setting the valve. When each setting is displayed, use the UP and DOWN buttons to scroll to the appropriate data setting displayed in the table. Press EXTRA CYCLE to select the data setting and go to the next setting.

Table 3: Setting the Valve

Parameter Display (Left Corner)	Data Display Set To
VT (Valve Type)	Fltr
CT (Control Type)	tc
DO (Day Override)	3
RT (Regeneration Time)	2:00
BW (Backwash)	10
RR (Rapid Rinse)	10

Step 2: Set Time

1. Press and hold down the UP button to change the clock.
2. Press the EXTRA CYCLE button when the time is set. The water valve displayed will stop flashing when the time is set.

Testing pH Levels in Water

1. Ensure your system is not in bypass mode.
2. Turn on the nearest faucet to the system (cold water only).
3. Let water run for 10 minutes.
4. After 10 minutes test the pH of the water at the same sink.
5. If pH test is lower than 7.0 let the system sit for 30 minutes and then go to the same sink and run cold water for 10 minutes again and re-test.

Note: If you have a Natursoft system after the Calcite Tank, you must keep the Natursoft system in bypass mode until the pH test is showing a pH level of the water to be between 7-11.

Care and Cleaning

Calcite Tank Refill

When the tank is 1/3 full, consider replacing media.

How to refill calcite tank:

1. Turn main water supply OFF.
2. Bypass all other tanks except the calcite tank.
3. Turn on the closest cold water faucet to relieve pressure. Wait until the faucet runs dry.
4. Open side port on the calcite tank.
5. Siphon out water down to calcite level.
6. Use funnel provided with new calcite to add calcite.
7. DO NOT OVERFILL WITH CALCITE. Leave 12" from top of tank empty.

Troubleshooting

Problem	Solution
Water leaking at the top of the tank around the head.	You may need to turn the head to tighten it. The tank head is pre-installed hand-tight, do not overtighten the head (just turn it snug).
The tank leans to one side or is not level.	If the tank is not level, lift the tank straight up 6 inches and tap it on the ground until the tank stands vertical. The bottom of the tank is round and the boot allows the tank to stand upright.
<p>The diagrams illustrate the process of leveling the tank. The top row shows a tank tilted to the right. An arrow points up, indicating the tank is lifted. A second arrow points down, indicating it is tapped. The final diagram shows the tank level. The bottom row shows a tank tilted to the left. An arrow points up, indicating the tank is lifted. A second arrow points down, indicating it is tapped. The final diagram shows the tank level. Labels include 'Unlevel Tank', 'Boot', 'Level Tank', and 'Unlevel Boot'.</p>	
How do I know how full the tank is?	Use a flash light and shine it at the tank to determine how full the tank is.

Warranty

Pelicans Limited Lifetime Warranty

Pelican Water ("Pelican") warrants to the end user ("customer") that its tanks (13" & smaller), valves, in/out non-electric heads, bypass's, fittings and housings ("Covered Items") will be free from defects in material and workmanship under normal use and service for the life of the system**.

Pelican 5 Year Limited Warranty

Pelican Water ("Pelican") warrants to the end user ("customer") that its retention tanks and solid-state electronic heads ("Covered Items") will be free from defects in material and workmanship under normal use and service for a period of 5 years.

Limitations and Responsibilities

Pelican's obligation to the customer under these warranties shall be limited, at its option, to replacement or repair of Covered Items by these warranties, labor is not covered. Prior to return or repair of Covered Items, the customer must obtain a return goods authorization number from Pelican and at Pelicans option, return the Covered Items freight prepaid. Any Covered Item repaired or replaced under these warranties will be returned prepaid standard freight to the original point of shipment. Expedited freight options are available at customer expense.

No warranty is made with respect to defects or damaged due to neglect, misuse, alterations, accident, misapplication, physical damage, or damaged caused by fire, acts of God, or freezing. These warranties apply only to the original registered owner so long as the owner owns the home in which the unit was originally installed. Customer must register their system with Pelican within 90 days of purchase* in order to obtain a warranty. Warranty will discontinue after the unit is removed from the location where it was originally installed. Warranty begins on the date of delivery of product to the customer. Improper maintenance of system (i.e. not replacing filters or media) on time will be considered "neglect". Installation of any system on water conditions outside of or beyond the recommended specs of any system voids any warranty.

Pelican gives this warranty to the customer in lieu of all other warranties, express or implied, including without limitation any implied warranties of merchantability or fitness for a particular purpose or treatment of certain water and hereby expressly disclaims all other such warranties. Pelican's liability hereunder shall not exceed the cost of the product. Under no circumstances will Pelican be liable for any incidental or consequential damages or for any other loss, damage or expense of any kind, including loss of use, arising in connection with the installation or use or inability to use the Covered Items or any water treatment system the Covered Items are incorporated into. These warranties are governed by the laws of the state of Florida and may change at any time without notice.

*Failure by California and Quebec residents to complete the product registration form does not diminish their warranty rights.

**For all orders placed on or after June 3rd, 2011.

Warranty Registration Form

Send in this Warranty Registration Form to validate your warranty or visit www.PelicanWater.com to complete warranty registration form online.

Pelican Warranty Registration Form

Date Item(s) were Received:	Order ID#:	Model:
_____	_____	_____
Dealer Purchased From:		

Model/Serial Number:		

Name:	_____	
Address:	_____	
City:	State:	Zip:
_____	_____	_____

Send To:

Pelican Water Systems
3060 Performance Circle, Suite 2
DeLand, FL 32724
Phone: 1-(877) 842-1635

Plumber's Information (optional)

We like to recommend good plumbers throughout the USA and if you were happy with your installer please give us their information so we can pass it on as a courtesy. Thank you for your time.

Name of Plumbing Company used to install system: _____

Phone #: (____) - _____ of the Plumbing installer

!!IMPORTANT!

Do not use where water is microbiologically unsafe or with water of unknown quality without proper disinfection before or after the filter/softener system.