



# **Owner's Manual**

**Soda Ash pH Neutralizer System**

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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.




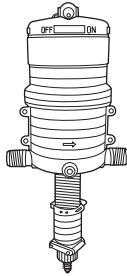


### **Private Well:**

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

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

**Table 1: Parts List**

Part	Description	Qty.	Part	Description	Qty.
	Solution Tank	1		Chemical Injector Pump	1
	50 lb. Bag of Soda Ash	1			
	Chemical Injector Pump Tubing	1			

**Note:** Drawings are not to scale.

## Installation

### Chemical Injector Pump and Solution Tank Installation

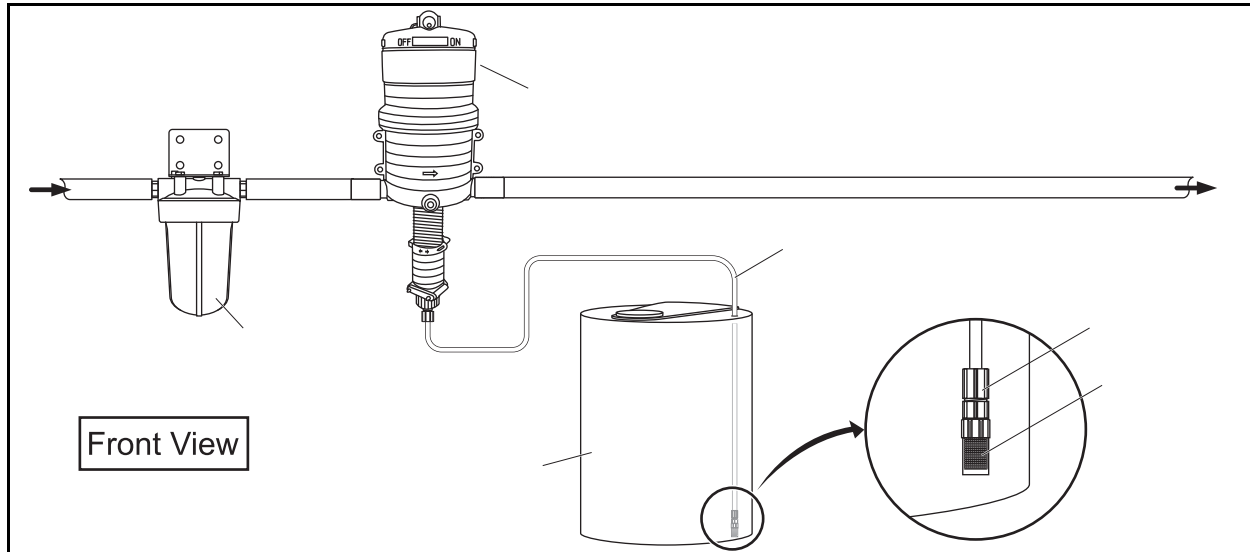


Figure 1

#### Chemical Injector Pump Installation

##### !!IMPORTANT!

Install the Chemical Injector Pump into the water supply after the Pre-Filter and before any other filtration or softening system.

1. Determine the size and material of your incoming water supply line from the Pre-Filter System.
2. Mount the Chemical Injector Pump to the wall using the provided brackets. Line up the inflow and outflow connections with the current water line.
3. Plumb the Chemical Injector Pump into your water line. The arrow on the body of the Chemical Injector Pump shows the correct water flow direction. The water should enter and exit the pump following the direction of the arrow.

#### Solution Tank Installation

1. Remove the black cap from the opening on the Solution Tank.
2. Drill one 3/8" hole into the top of the Solution Tank.
3. 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.
4. Feed and pull the other end of the tubing through the drilled opening on the top of the Solution Tank.
5. Fill the Solution Tank using 6 oz of soda ash to each 1 gallon of water. Ensure tank is full. Thoroughly mix the solution to avoid spikes in pH.
6. Determine the length of Chemical Injector Pump Tubing required to reach the bottom connection point of the Chemical Injector Pump and then cut the Chemical Injector Pump Tubing to the appropriate length.
7. Connect the Chemical Injector Pump Tubing to the suction valve on the Chemical Injector Pump.

##### IMPORTANT!

Ensure the Chemical Injector Pump Tubing is free of kinks. Additional soda ash may be required for desired pH results.

## Complete the Installation

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

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

### 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. 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, remove the black clip from the ratio adjustment slide. Turn the ratio adjustment slide 2 full revolutions in the positive direction. Repeat steps 3 and 4 until the pH is at or just above 7.0. Replace the black clip.
6. If it is higher than 7.5, remove the black clip from the ratio adjustment slide. Turn the ratio adjustment slide 2 full revolutions in the negative direction. Repeat steps 3 and 4 until you achieve a pH reading at or just above 7.0. Replace the black clip.

### **⚠ CAUTION:**

Do not remove the silver clip from the ratio adjustment slide when the system is under pressure.

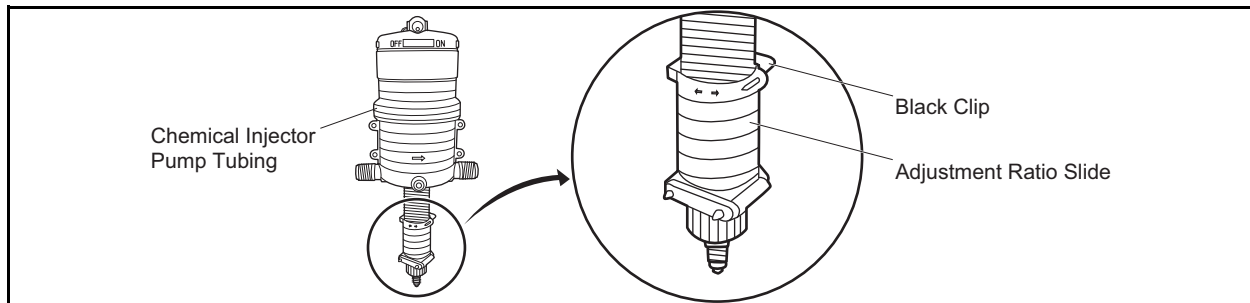


Figure 2

### Chemical Injector Pump:

1. Change every 6 months (Kit A - part number P-SDP-A) - 2 o-rings and dosage piston. One extra Kit A is included with your original purchase.
2. Change yearly (Kit C - part number P-SDP-C) - 2 o-rings, dosage piston, and inner cylinder.

**Note:** Spare kits for replacement purposes can be obtained by calling your customer service representative at Pelican Water.

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## Warranty

### **Pelican Professional Chemical Injector Pump Warranty**

Pelican Water ("Pelican") warrants to the end user ("customer") that its Professional Chemical Injector Pump Motor (upper half of unit) will be free from defects in material and workmanship under normal use and service for a period of 1 year. The Professional Chemical Injector Pump Adjustment Ratio Side (lower half of unit) will be free from defects in material and workmanship under normal use and service for a period of 90 days. The Chemical Injector Pump tubing is not covered as part of this warranty.

### **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 Pelican's 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.

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## Warranty Registration Form

Send in this Warranty Registration Form to validate your warranty or visit [www.PelicanWater.com](http://www.PelicanWater.com) to complete warranty registration form online.

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### Pelican Warranty Registration Form

<b>Date Item(s) were Received:</b>	<b>Order ID#:</b>	<b>Model:</b>
_____	_____	_____
<b>Dealer Purchased From:</b>		
_____		
<b>Model/Serial Number:</b>		
_____		
<b>Name:</b>	_____	
<b>Address:</b>	_____	
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
_____	_____	_____

#### Send To:

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

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#### 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.

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**Name of Plumbing Company used to install system:** \_\_\_\_\_

**Phone #:** (\_\_\_\_) - \_\_\_\_\_ of the Plumbing installer