



Owner's Manual

Chlorine Injection System

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Product Operation and Specifications

Specification Description	Chlorine Injection System
Max Flow Rate	14 GPM
Minimum Working Pressure	4 PSI
Maximum Working Pressure	85 PSI
Maximum Vacuum	5 inch/127 mm Hg
Operating Temperatures	36°F - 104°F
pH Range	6.5 - 11

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. Some homes may have been built in accordance with building codes, 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.

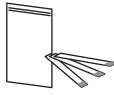
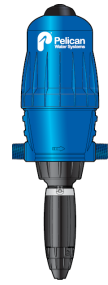


CAUTION:

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.
	Chlorine Test Strips	1		Chemical Injector Pump	1
	Solution Tank	1			
	Chemical Injector Pump Tubing	1			

Note: Drawings are not to scale.

Additional fittings will be needed to adapt to your plumbing.

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 1/2" 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. Determine the length of Chemical Injector Pump Tubing required for the foot valve to reach 1" from the bottom of the Solution Tank and cut tubing.
6. 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.
7. Fill the Solution Tank with 17 gallons of bottled water and proper cups of bleach. (see chart below)

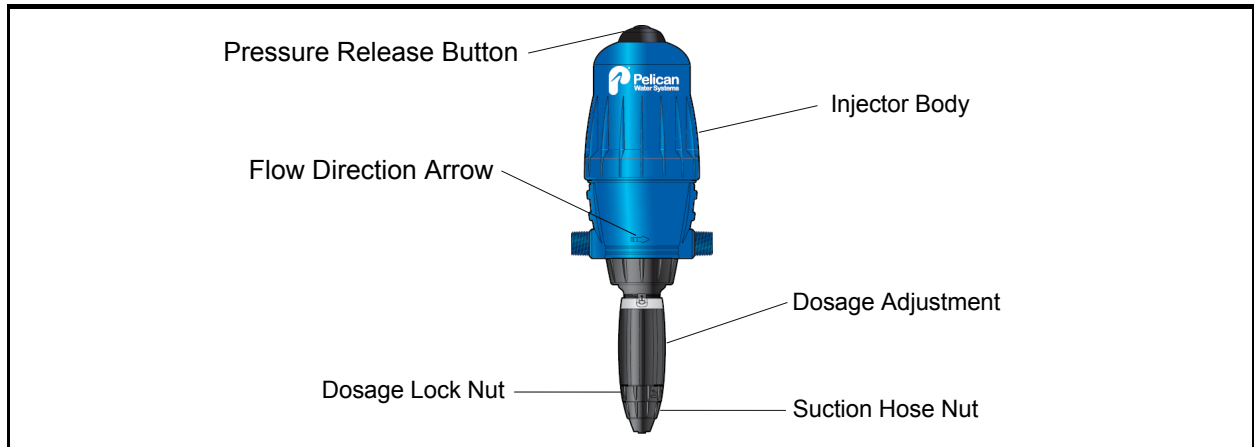
Concentration of Bleach (% Sodium Hypochlorite)	Number of Cups	Gallons of Water
3.00%	12	17
5.25%	7	17
6.00%	6	17
8.25%	4.5	17

!IMPORTANT! Ensure the Chemical Injector Pump Tubing is free of kinks and the Solution Tank is not directly on concrete

Complete the Installation

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

Testing Chlorine Levels in Water - Dialing In



1. Put the Carbon tank and NaturSoft tank in bypass.
2. Turn on the nearest cold water faucet to the system.
3. Listen and watch the pump to make sure it is pumping. The pump should pulse and not run continuously. If the water is off, the pump will stop.
4. Let the water run for 15 minutes.
5. After 15 minutes, use a chlorine test strip to test a sample of water from the cold water faucet.
 - a. The optimum chlorine level reading is 2.6ppm on the test strip.
 - b. If you do not have a reading of chlorine you will need to add 3 more cups of bleach to the solution tank and mix. Note the new total or bleach to 17 gallons water. Repeat steps 4 & 5 to achieve a new sample for testing. Double check to make sure the Carbon Tank and NaturSoft Tank are in bypass.
 - c. If your reading is close to 2.6ppm then you will unlock the dosage adjustment on the injector pump and rotate up two full turns. Re-lock the dosage adjustment and repeat steps 4 & 5 to achieve a new sample for testing.
 - d. Once you have tested another sample, if you still do not have a reading of chlorine add another 3 cups of bleach and mix. Note the new total of bleach to 17 gallons of water. Repeat steps 4 & 5 to achieve a new sample for testing.
 - e. If your reading is close to 2.6ppm then you will unlock the dosage adjustment on the injector pump and rotate up two full turns. Re-lock the dosage adjustment and repeat steps 4 & 5 to achieve a new sample for testing.

*If after testing again there is still no reading of chlorine we recommend calling in to speak with a Technical Support representative.

Concentration of Bleach (% Sodium Hypochlorite)	Number of Cups	Gallons of Bottled Water
3.00%	12	17
5.25%	7	17
6.00%	6	17
8.25%	4.5	17

Maintenance

Chemical Injector Pump:

1. Change once a year (Injector Pump Seal Kit - 3 O-Rings & Check Valve)

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

Solution Tank Refill — Bleach & Water

1. Check the level of the Solution Tank twice per month. Do not let the liquid in the tank fall below $\frac{1}{4}$ full.
2. Fill the Solution Tank with bleach and treated water as needed. (Water that has gone through your filtration system).

Warranty

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.

Pelican **Dosatron** Professional Chemical Injector Pump Warranty

Pelican Water ("Pelican") warrants to the end user ("customer") that its Dosatron 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 Dosatron Professional Chemical Injector Pump Dosage Adjustment Slide (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.

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