

Owner's Manual



Pelican PC600/PC1000
Premium Whole House Water Filter

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Table of Contents

Table of Contents	3
Product Operation and Specifications	4
Important Information	4
Complete Parts List	5
Installation Overview	6
Pre-Installation	6
Bypass Valve Installation	6
Water Filter - Carbon Soak	7
Water Filter - Carbon Flush	8
Installation	9
Sediment Filter Assembly	9
Sediment Filter Installation	9
Whole House Water Filter Tank Installation	10
Bypass Valve Operations	11
Complete the Installation	12
Maintenance	13
Premium Whole House Water Filter	13
Sediment Filter	13
Replacing the Sediment Filter	13
Troubleshooting	14
Warranty	15
Warranty Registration Form	16
Product Certifications	17

Product Operation and Specifications

Specification Description	PC600	PC1000
Max Flow Rate	10 GPM	15 GPM
Minimum Working Pressure	25 PSI	
Maximum Working Pressure	80 PSI	
Maximum Vacuum	5 inch/127 mm Hg	
Operating Temperatures	36°F – 120°F	
pH Range	6 – 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.
- The use of Teflon Tape and/or Pipe Thread Seal Paste will be needed on all threaded connections.

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.

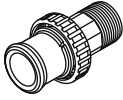
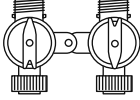
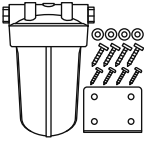
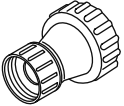

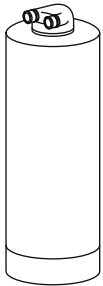


CAUTION:

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

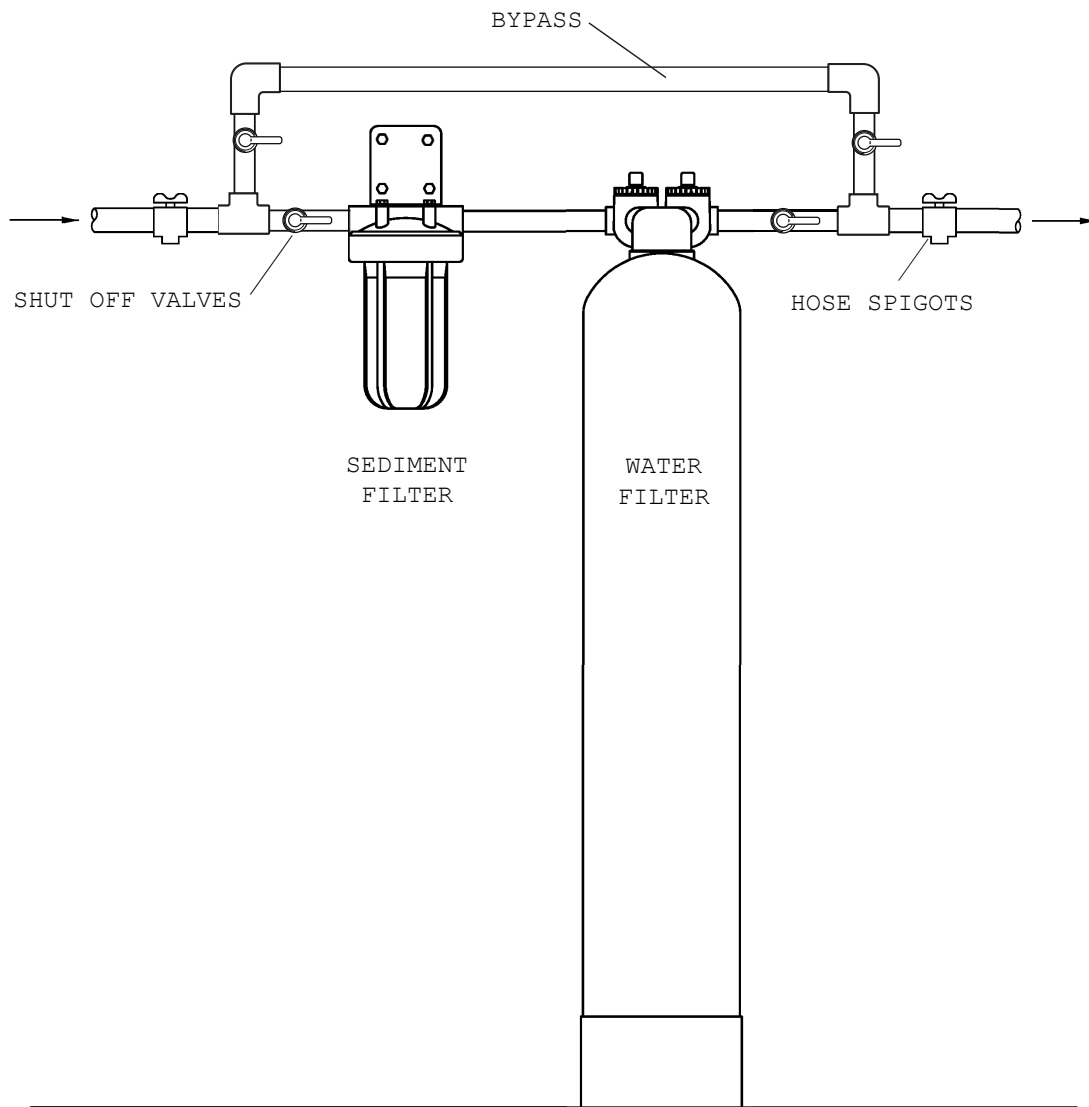
Part	Description	Qty.	Part	Description	Qty.
	1" Plastic Male NPT Assembly: V3007-04 WS1 Fitting 1" Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2)	1		Bypass Valve: In/Out Bypass Valve with Red Arrow Handles	1
	Sediment Filter System: Blue Sediment Filter Housing, Mounting Bracket, Phillips Head Screws (4), Bolt Head Screws (4), and Washers (4)	1		Hose Bib Assembly	1
	Sediment Filter: 5 Micron Poly-Spun Sediment Filter	1		Pelican Whole House Water Filter	1
	Sediment Filter Wrench	1			
	Non-Abrasive Auto Wax 4 oz. Bottle	1			

Note: Drawings are not to scale.

Additional fittings will be needed to adapt to your plumbing.

 **Notice:**

Head may come loose in transit. Please check head by tightening clock-wise, hand tight only, no more than 1/4 turn. Head may not move at all or less than 1/4 turn.



Pelican
Water Systems

3060 PERFORMANCE CR
SUITE 2
DELAND, FL 32724
1-877-842-1635
www.pelicanwater.com

DO NOT SCALE DRAWING

THIS DRAWING IS ISSUED IN CONFIDENCE AND
CANNOT BE REPRODUCED OR USED TO
MANUFACTURE ANYTHING SHOWN OR REFERRED
TO WITHOUT DIRECT WRITTEN PERMISSION FROM
PELICAN WATER SYSTEMS.

CONNECTION SIZE: 1"
MAX PRESSURE OPERATING: 80 PSI
MAX TEMPERATURE: 120°

**INSTALLATION OVERVIEW
SINGLE TANK SYSTEM**

Installation Overview

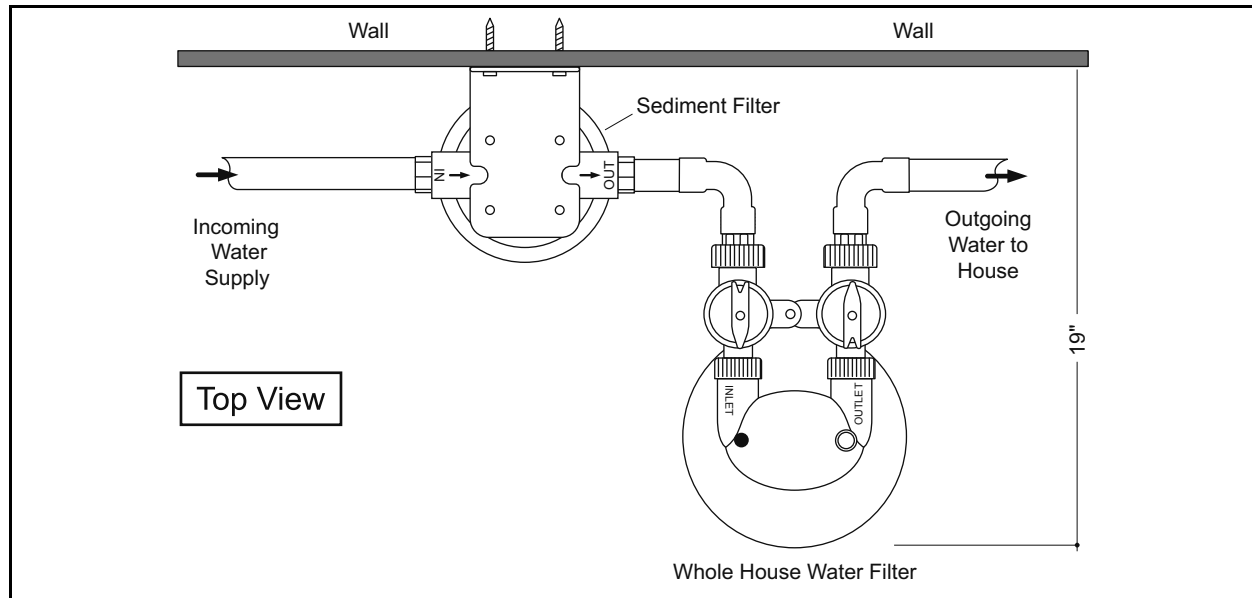


Figure 1

Pre-Installation

Bypass Valve Installation

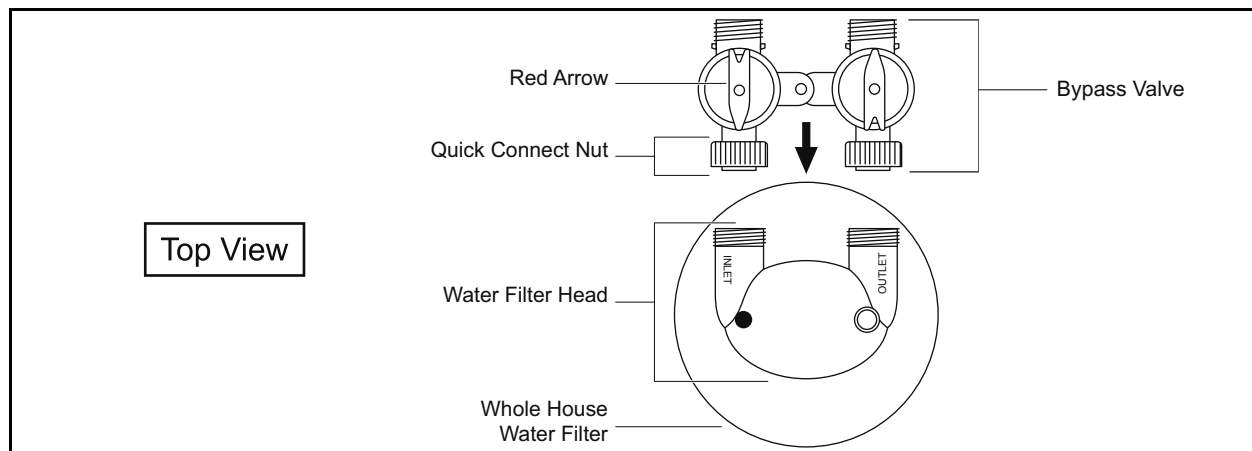


Figure 2

The Bypass Valve comes pre-assembled and ready to install with the O-Rings, Split Rings, and Quick Connect Nuts. Push the Bypass Valve into the head of the Whole House Water Filter with the unthreaded ends oriented toward the tanks and hand-tighten the Quick Connect Nuts.



Notice:

The bypass valve(s) included with this system are designed for multiple Pelican water systems. This may result in the arrows on the bypass valve(s) pointing differently than shown. If the arrows on your bypass valve(s) do not match the diagram, remove the red arrows by pulling them straight up, turn them 180° to match the drawing, and push them back down onto the stem.

Water Filter - Carbon Soak

!!IMPORTANT!

Your system will not be ready for use for a minimum of 48 hours while the Carbon Soak process takes place. Please plan your installation accordingly.



Notice:

Water will flow out of the outlet side of the Bypass Valve during this process. Be sure you perform this series of steps in a location suitable for water flow.

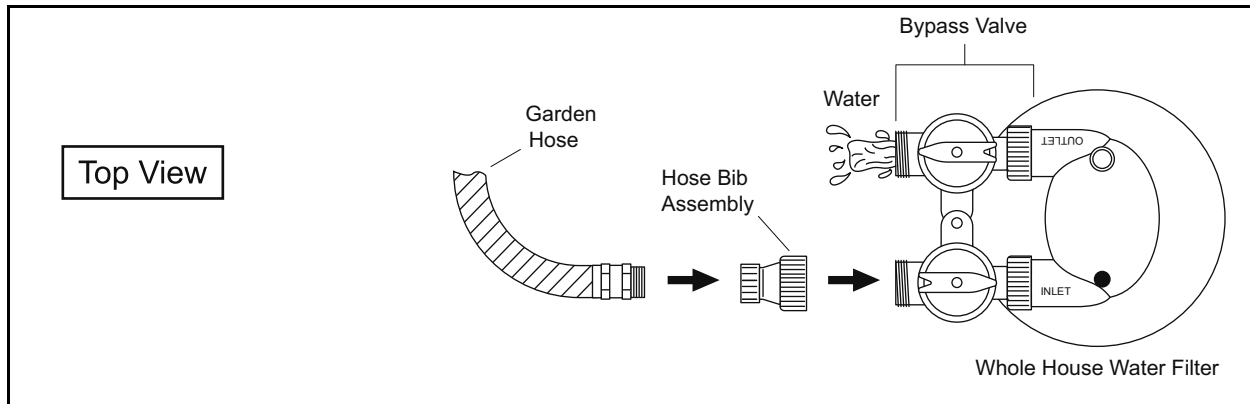


Figure 3

1. Attach a garden hose to the Hose Bib Assembly
2. Connect the Hose Bib Assembly to the inlet side of the Bypass Valve and hand tighten
3. Fill the Whole House Water Filter until water comes out of outlet side of the Bypass Valve.
4. Turn the water off.
5. Remove the garden hose from the Hose Bib Assembly. Do not remove the fitting.
6. Allow the carbon in the Water Filter to soak for a minimum of 48 hours prior to installation.

NOTE: Allowing the Whole House Water Filter to soak longer than 48 hours is completely fine as it will help with further saturation and minimize the break in period.

Water Filter - Carbon Flush

!!IMPORTANT!

Do not perform the Carbon Flush until the Carbon Soak process is complete.



Notice:

Water will flow out of the outlet side of the Bypass Valve during this process. Be sure you perform this series of steps in a location suitable for water flow.

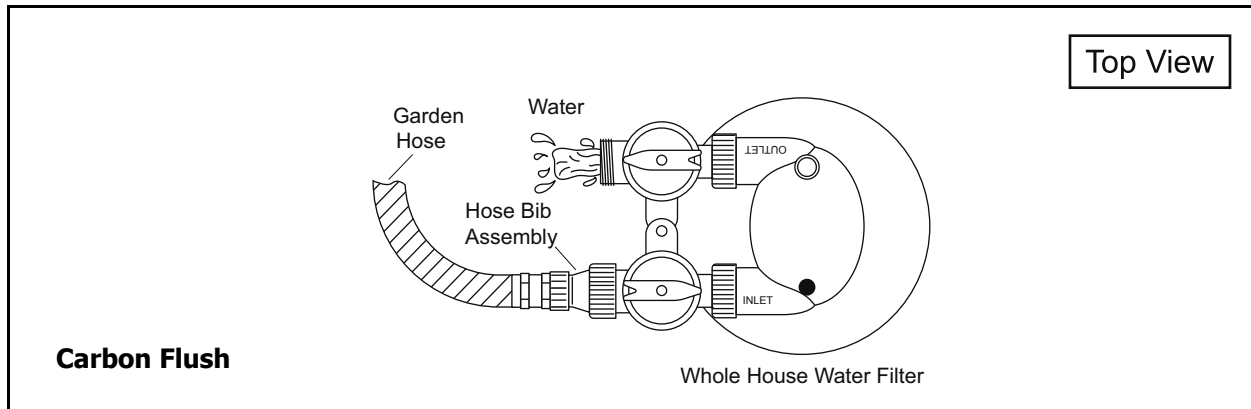
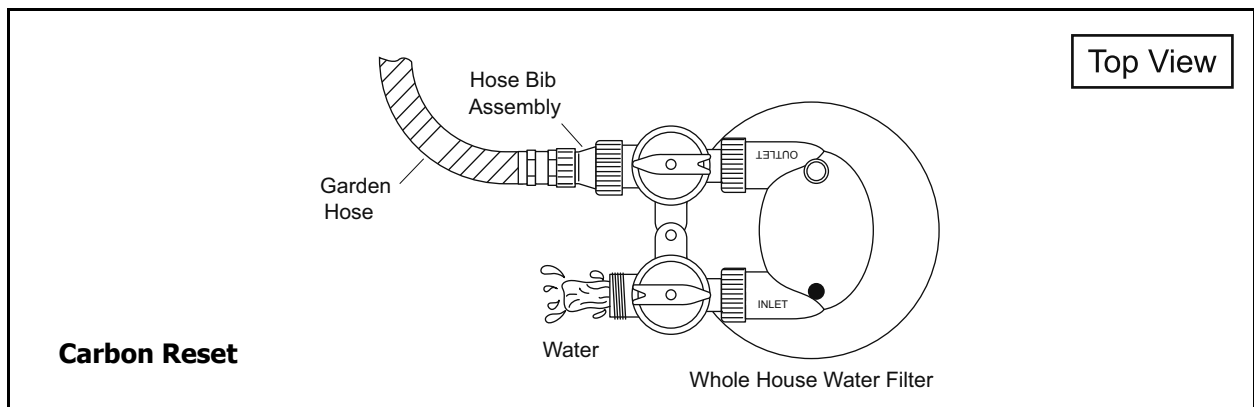


Figure 4

1. Reattach the garden hose to the Hose Bib Assembly.
2. Slowly turn on the water less than a 1/4 turn on the hose spigot.
3. Run water through the inlet side of the Bypass Valve for 30 minutes to expel any carbon fines.
4. Turn off the water.
5. Remove the Hose Bib Assembly from the inlet side and attach it to the outlet side of the Bypass Valve.
6. Slowly, fully open the hose spigot.
7. Run the water through the outlet side for 3 minutes to back-flush and reset the carbon.
8. Turn off the water.
9. Remove the Hose Bib Assembly from the Bypass Valve and disconnect the garden hose.

Note: Please save the Hose Bib Assembly as this will be used in the future for the carbon replacement.



Installation

Sediment Filter Assembly

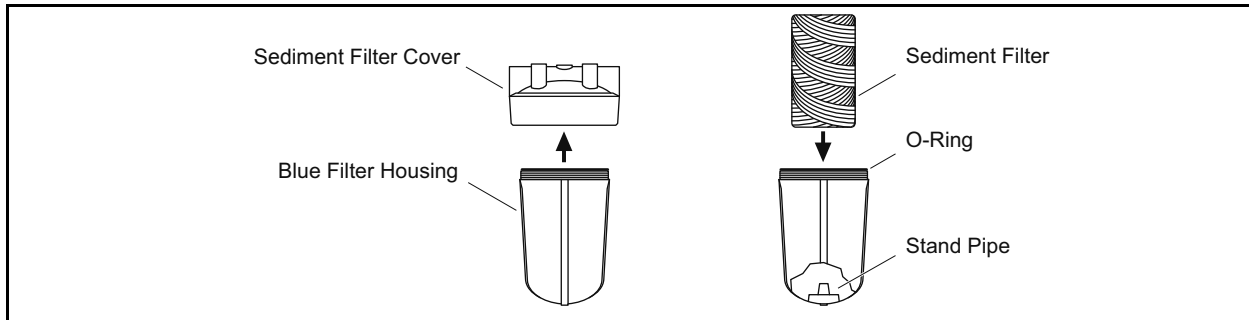


Figure 5

1. Unscrew the cover from the Blue Filter Housing.
2. Remove the plastic covering from the Sediment Filter.
3. Place the Sediment Filter onto the Stand Pipe in the Blue Filter Housing and set aside.

Sediment Filter Installation

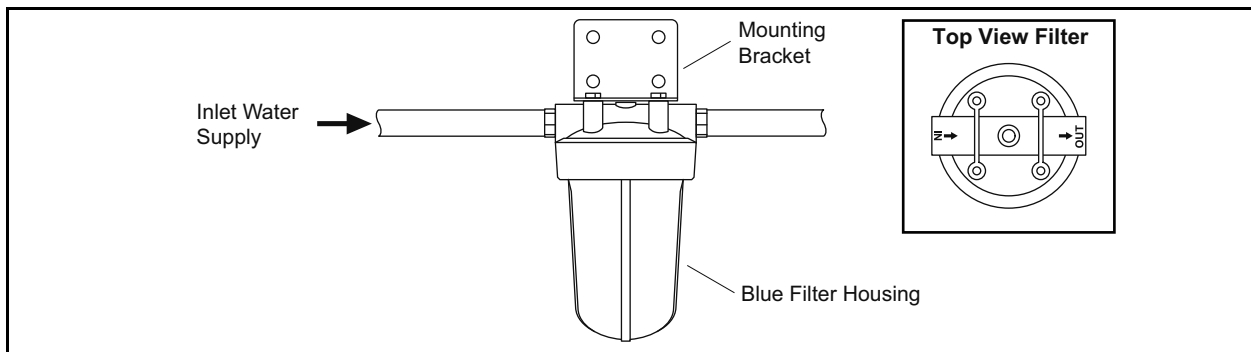


Figure 6

1. Shut off the water.
2. Attach the Filter Cover to the Mounting Bracket using the supplied Bolt Head Screws and Washers. Make sure to properly orientate the IN and OUT to match your flow pattern.
3. Attach the Mounting Bracket to the wall using the supplied Phillips Head Screws.
4. Hand tighten the Blue Filter Housing and then using the supplied Filter Wrench lightly snug the housing making sure not to over-tighten. (counter clockwise).
5. Determine the size of your inlet water supply line.



Notice:

The Sediment Filter Housing comes with a 1" threaded female inlet/outlet and will require additional fittings to adapt to your plumbing. A shut-off valve is recommended prior to the Sediment Filter System.

Whole House Water Filter Tank Installation

1. Level the Pelican Whole House Water Filter.



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.

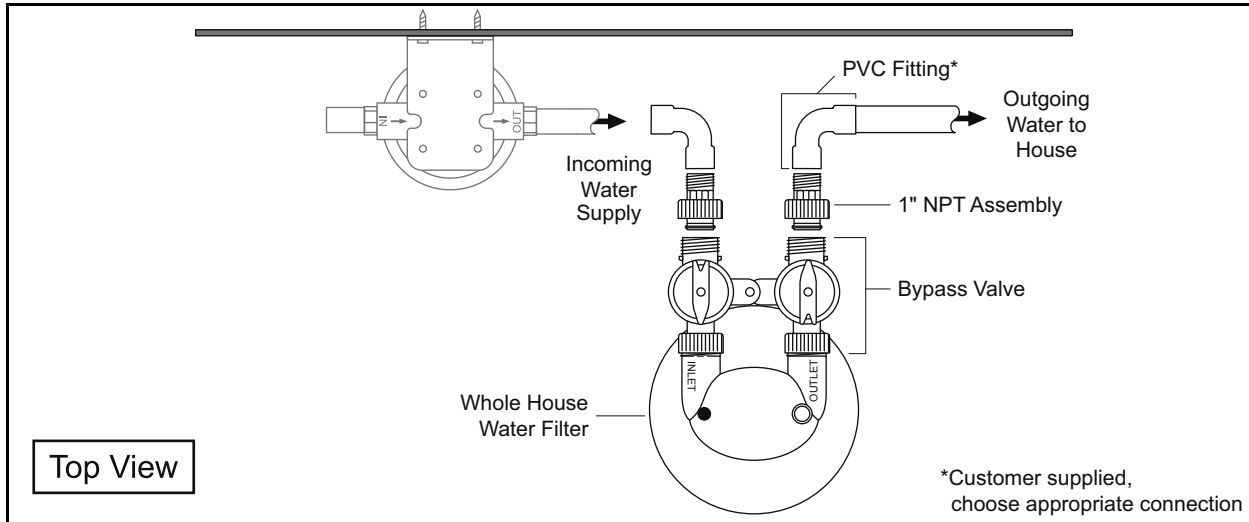


Figure 7

2. Determine the size and material of your incoming water supply line from the Pre-Filter System and choose the appropriate plumbing required to adapt to the 1" Male NPT Assembly.

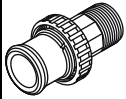


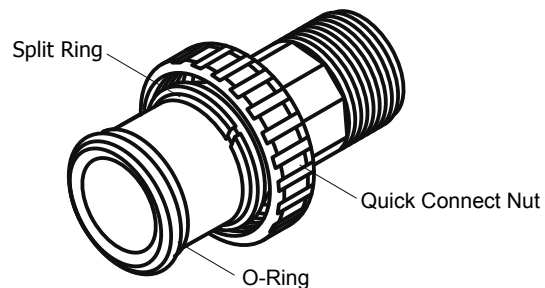
CAUTION:

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

Table 2: Bypass Valve Fittings

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

Part	Description	Qty.
	1" Plastic Male NPT Assembly: V3007-04 WS1 Fitting 1" Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2)	1 bag



3. Install the fitting onto the inlet and outlet sides of the Bypass Valve. Follow the diagram supplied with the fitting.
4. Connect the incoming water supply from the Sediment Filter system to the fitting on the inlet side of the Bypass Valve.
5. Connect the outgoing water supply to the outlet side of the Bypass Valve.

Bypass Valve Operations

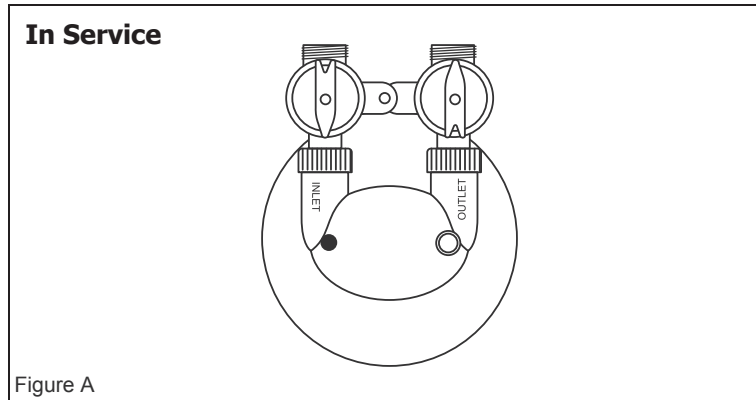


Figure A shows the system "in service" which allows water to flow in and out of the tank. In this position the system would be considered ON.

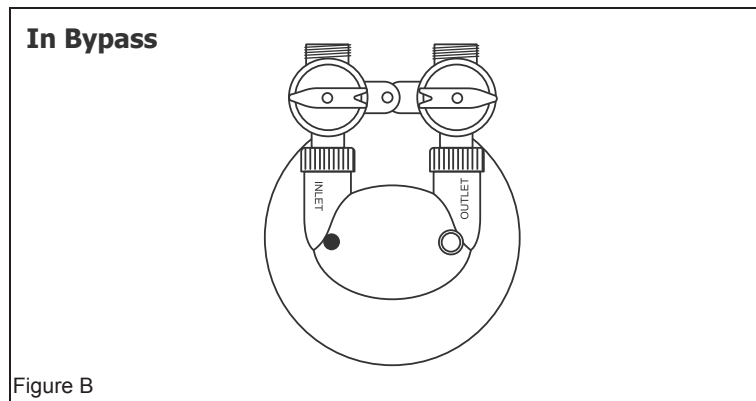
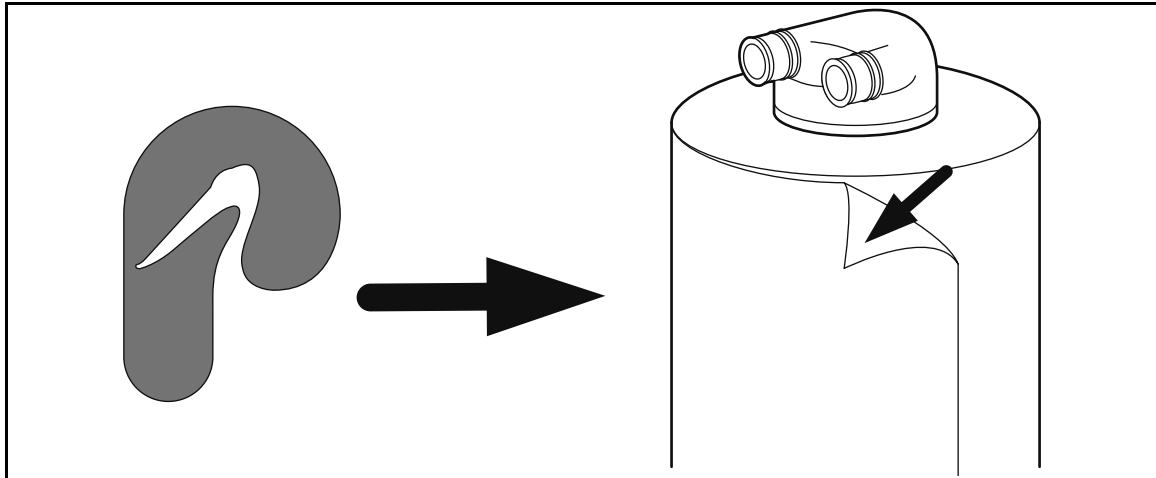


Figure B shows the system "in bypass" which will direct water straight to the home without going in and out of the tank. In this position the system would be considered OFF.

Complete the Installation

1. Turn on the main water supply.
2. Check for leaks.
3. Peel off the protective plastic wrap from the stainless steel tank jackets.
4. Add the Pelican logo sticker in the desired location on the tank.



5. Wax stainless steel tank jacket(s) with wax provided or any other non-abrasive auto wax a minimum of 1-2 times per year or as needed based on the installed environment.

⚠ CAUTION:

Avoid high flow rates such as bathtub, utility sinks, hose bibs, multi-headed showers, body sprayers, or anything that is considered high flow for the first 72 hours to avoid flow restrictions caused by carbon blockage of the top basket inside the carbon tank.

⚠ CAUTION:

Carbon dust may be released into the water lines of the house/building during the first few days of water use after carbon tank installation. The carbon dust is harmless, but may give the water a gray appearance that should diminish within a week or 10 days depending on water use.

Maintenance

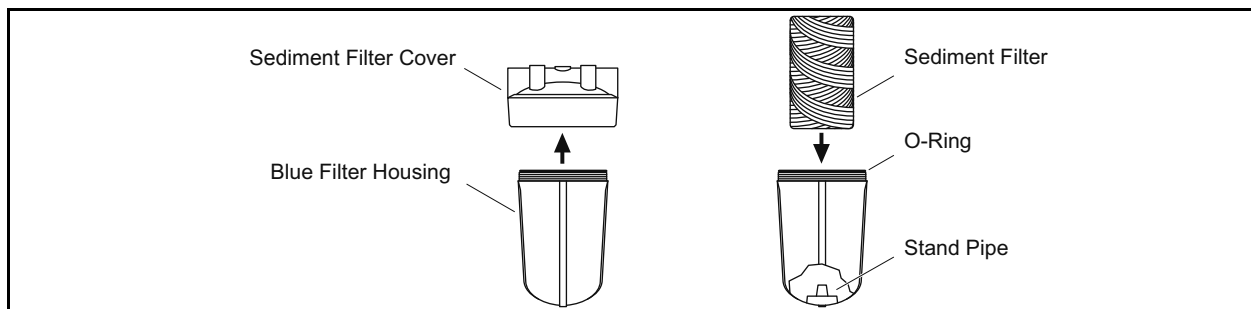
Premium Whole House Water Filter

Your Pelican PC600/PC1000 Premium Whole House Water Filter requires care and cleaning after a period of 5 years. Replacement media and instructions can be ordered on-line at www.pelicanwater.com or by calling 877-842-1635. Model numbers for replacement media are PC600-R or PC1000-R.

Sediment Filter

It is recommended that the Sediment Filter be replaced every 6-9 months depending on the amount of sediment present in the water supply. If the system has been working properly and the pressure is slowing, it may be time to change the Sediment Filter. Check the Sediment Filter and replace if necessary. Replacement sediment filters can be ordered on-line at www.pelicanwater.com or by calling 877-842-1635. Model numbers for sediment filters are PC40 and PC80

Replacing the Sediment Filter



1. Turn off the main water supply to the Sediment Filter System and bypass all tanks.
2. Run a faucet (cold water) inside the house to relieve the pressure. (Leave faucet open)
3. Unscrew the Blue Filter Housing clockwise using the supplied Filter Wrench.
4. Remove the existing Sediment Filter and discard.
5. Remove the O-Ring and wipe the groove clean. Lubricate a new O-Ring with a coating of clean silicone grease. Replace O-Ring and press the O-Ring down into the groove with two fingers.
Note: This step is important to ensure the proper filter seal. Make sure the O-Ring is seated level in the groove. If the O-Ring appears damaged, stretched, or crimped it should be replaced.
6. Place a new Sediment Filter onto the Stand Pipe in the Blue Filter Housing.
7. Screw the Blue Filter Housing onto the Filter Cover hand tight. Lightly snug the housing with the spanner wrench making sure not to over-tighten.
8. Turn on main water supply slowly to allow the Sediment Filter System to fill with water and expel air from lines. Put tanks back in service, out of bypass.
9. Check for leaks.

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.
Water pressure is slowing.	It is recommended that the Sediment Filter be replaced every 6-9 months depending on the amount of sediment present in the water supply. If the system has been working properly and the pressure is slowing, it may be time to change the Sediment Filter. Check the Sediment Filter and replace if necessary.
Water appears grey or cloudy.	Water may appear grey or cloudy for the first seven to ten days after installation due to extra carbon dust.
Water pressure is slowing immediately after installation.	High flow rates such as bathtubs, utility sinks, hose bibs, multi-headed showers, body sprayers, or anything that is considered high flow for the first 72 hours should be avoided. If you suspect a carbon blockage of the top basket due to a high-flow situation within the first 72 hours of installation, turn off any running water for at least 10 minutes. This will clear the blockage and you can resume using water at low or normal flow rates.

Warranty

Pelicans Limited Lifetime Warranty

Pelican Water ("Pelican") warrants to the end user ("customer") that its tanks (13" & smaller), valves, in/out heads, bypass's, fittings, Natursoft media and housings ("Covered Items") will be free from defects in material and workmanship under normal use and service for the life of the system. No warranty is made with respect to defects or damaged due to neglect, misuse, alterations, accident, misapplication, physical damage, installation on water quality outside guidelines for system or damaged caused by fire, acts of God, or freezing.**

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.

Manufacturer's Performance Guarantee

The Pelican PC600 Premium Whole House Water Filter is guaranteed to perform for 600,000 gallons or (5) years whichever comes first. The Pelican PC1000 Premium Whole House Water Filter is guaranteed to perform for 1,000,000 gallons or (5) years whichever comes first. The authorized dealers shall be responsible for the repair or replacement of defective media only, labor to replace the media is the responsibility of the purchaser.

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.

Product Certifications

	<p>Clack V3007-xx Bypass Fittings – WWQA Gold Seal Certified to NSF/ANSI Standard 44 for material safety and structural integrity only</p>
	<p>U.S. Green Building Council</p>