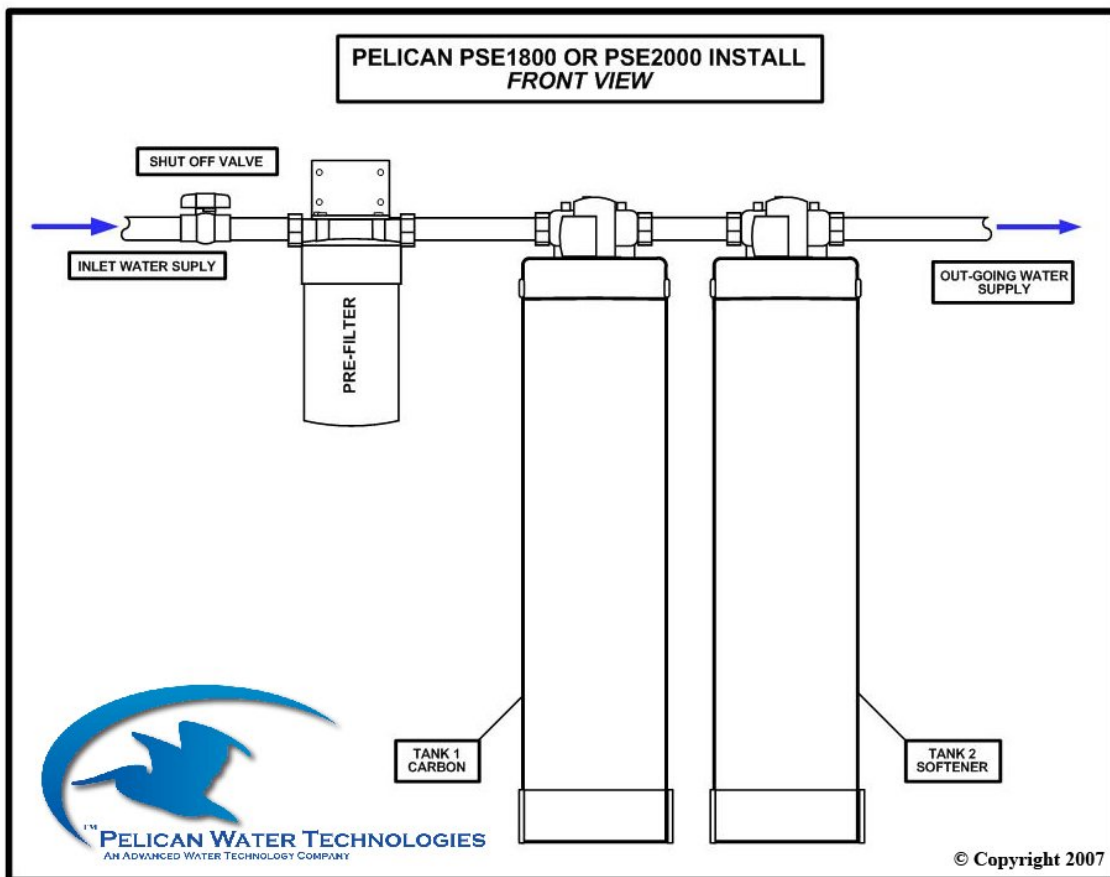


Installation Guide: Pelican PSE1800, PSE2000 Premium Whole House Water Filter & Salt-Free Softener/Conditioner



Please Read First

Step 1: Carbon Soak for Tank 1 & Resin Soak for Tank 2– Brief Description, see instructions for details on page 5

(Tank 1 will be labeled PC600 or PC1000 and Tank 2 will be labeled NaturSoft NS3 or NaturSoft NS6)

Connect the bypass valves to **tank 1**. Attach the threaded 90-degree elbow with the appropriate o-ring and split ring in place to the up-flow side of each bypass valve.(Hand tight) Now screw the backwash assembly to the 90-degree elbow on **tank 1**. Attach your hose to the assembly and turn the water on slowly until the water begins to flow out the down-flow inlet side and turn the water off. Let the media soak in the tank for 48 hours before washing the carbon. This process allows the media bed in the tank to de-aerate. For **tank 2** simply place the hose into the upflow side until water begins to come out of the down flow side and let stand for 1-2 hours. Follow instructions on page 7-9

Step 2: Carbon Wash for Tank 1 - Brief Description, see instructions for details on page 8

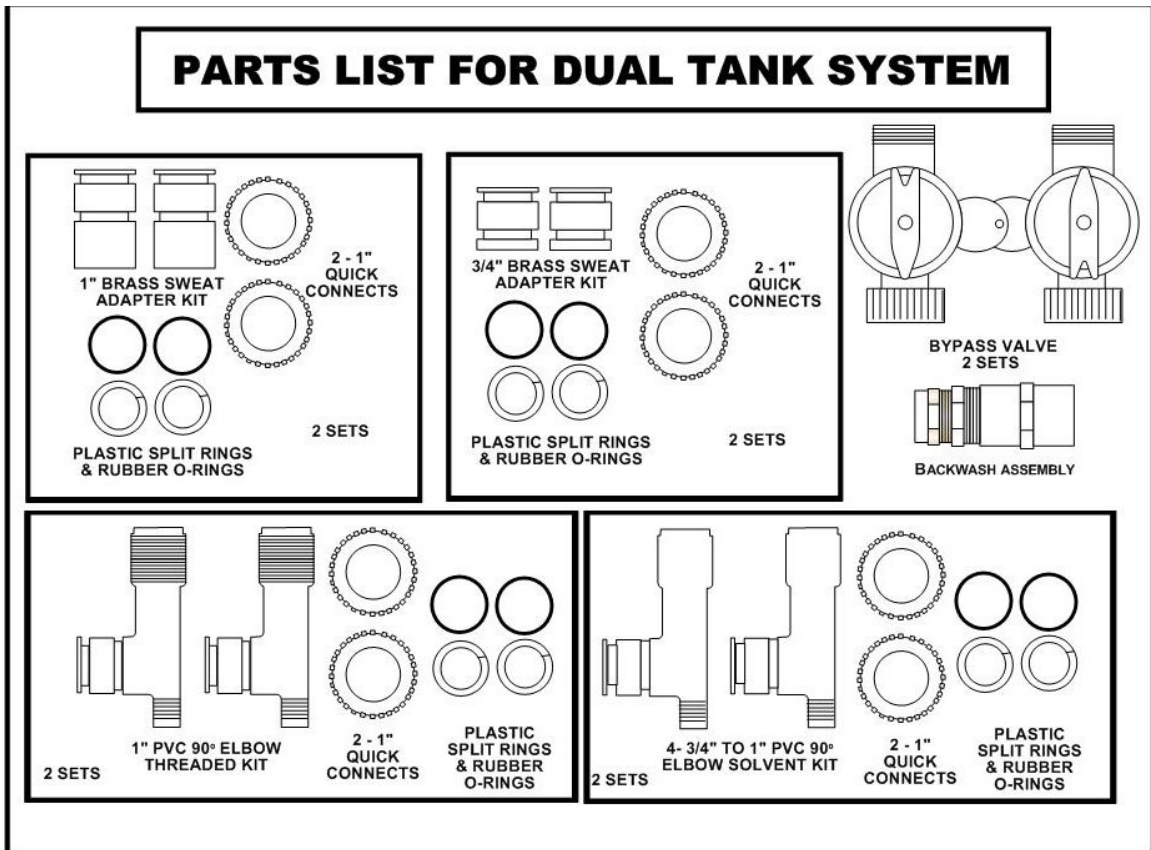
Connect your hose to the backwash assembly and screw it on to the threaded 90-degree elbow on **tank 1**. Turn the water on SLOWLY and allow water to run through the tank until the water runs clear. (Use a clear glass to check clarity) This process allows most of the carbon fines (dust) to be removed from the carbon bed inside the tank before installation. This will remove most of the carbon fines from the tank although it may still be noticeable for a short time once put into service. Follow instructions on page 10-11

Step 3: Installation

The plumbing will start with the shut off valve then the pre-filter followed by the filter. Follow the instructions starting with the pre-filter assembly on page 4. Then follow the directions on page 12-13 along with the diagrams supplied.

Note: After installation the arrows on the bypass valve may be pointing in different direction than the diagram shows, if this is the case simply pull up on the red arrows to take them off and turn them around.

Diagram 1- Parts list for dual tank system PSE1800 or PSE2000



Note: Some of the parts included will not be used. We have included all the parts as a convenience to our customers. You may save the additional parts for the future.

Note: Customer is responsible for all local plumbing codes

Pre-Filter Assembly

Includes:

1. 1ea. 10" blue pre-filter housing
2. 1ea. 5 micron pre-filter
3. 1ea. mounting bracket with mounting screws
4. 1ea. shut off valve
5. 1ea. pre-filter wrench for changing the pre-filters

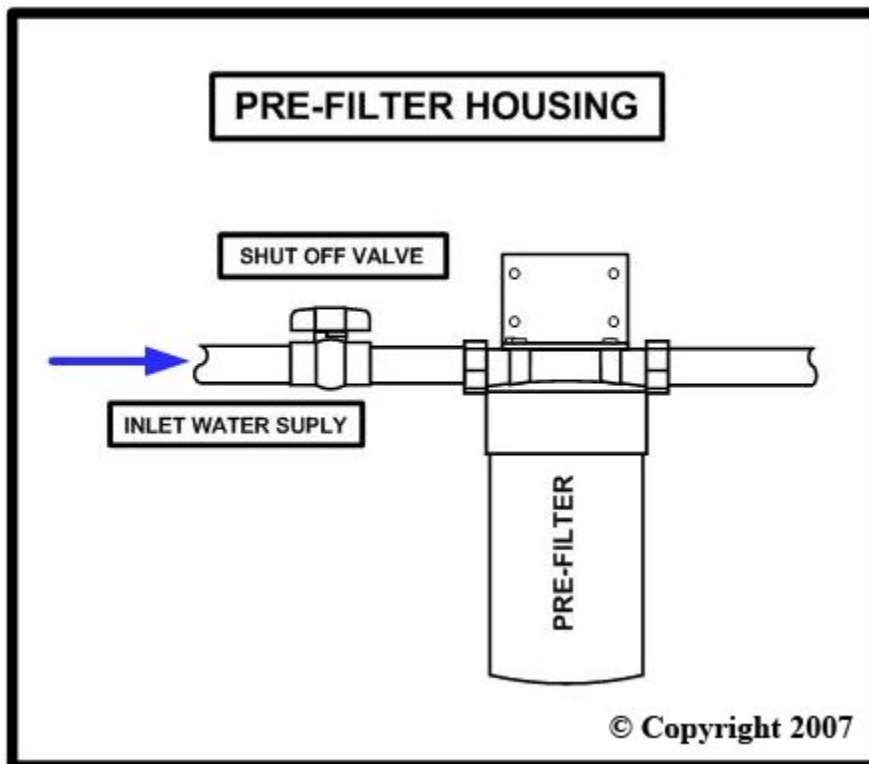
Installation of Pre-Filter

Determine the size of the fittings you will need.

Sequence for plumbing from incoming water supply before connecting to the filter tank(s):

1. Shut off valve
2. Pre-filter housing with pre-filter inside

Diagram - Shows the order of the shut off valve and pre-filter housing



How to change the pre-filter

When it comes time to change the pre-filter, it is an easy operation.

Step 1: Turn the main water supply off by turning the shut-off valve to the off position

Step 2: Push the red button on top of the pre-filter housing to relieve the pressure

Step 3: Use the supplied pre-filter wrench to unscrew the blue housing (turn clockwise)

Step 4: Replace the used pre-filter with a new one and screw the blue housing back onto black cap

Step 5: Turn the water supply back on and you are done

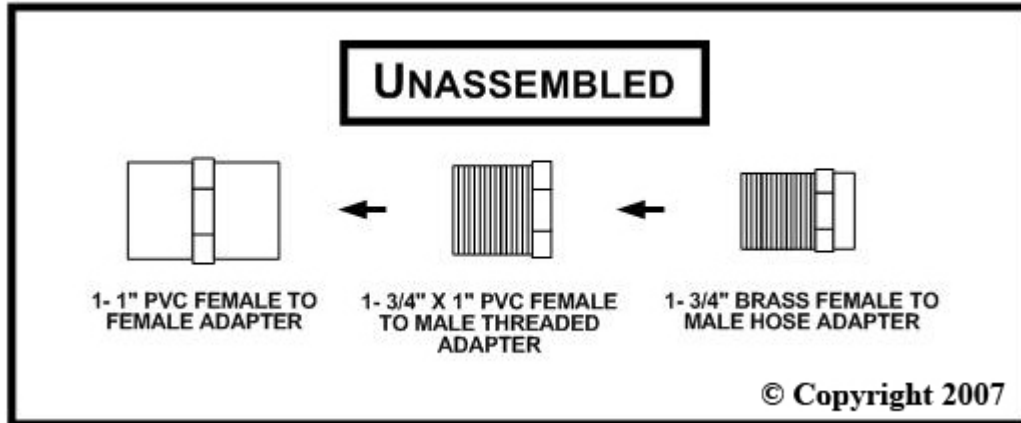
Carbon Soak Instructions

You will need (1) bypass valve (1) threaded gray 90-degree elbow adapter, (1) black rubber o-ring, (1) white plastic split ring, and (1) black 1" quick connects. Then you will need (1) white 1" female-to-female threaded pvc adapter, (1) white pvc female-to-male ¾" to 1" adapter, and (1) brass ¾" male-to-female threaded hose adapter.

NOTE: Hand tighten all fittings. Do not use a wrench for these steps.

1. Bypass valve installation – The bypass valve comes complete and ready to install with o-rings, split rings and black quick connectors. To install simply press the bypass valve onto the head of the tank and hand tighten both black quick connectors.
2. Slide the 1" quick connect threaded side out onto the non-threaded side of the threaded 90-degree elbow.
3. Take the white plastic split ring and slide it on the inner groove on the 90-degree elbow.
4. Take the black rubber o-ring and slide it onto the outer groove on the 90-degree elbow.
5. Take the completed 90-degree elbow threaded assembly and attach it to the up-flow inlet side of the filter. Push the 90-degree elbow until the treads on the quick connect is able to thread onto the valve. Then tighten the 1" quick connect by hand until hand tight.
6. Take the 1" female-to-female treaded pvc adapter and attach it to the threaded end of the 90-degree elbow that is now attached to the tank. **(Seen on Diagram 3)**
7. Attach the ¾" white male-to-female adapter to the open end of the 1" white female-to-female adapter. **(Seen on Diagram 3)**
8. Attach the brass ¾" male-to-female adapter to the open end of the ¾" white female-to-male adapter. **(Seen on Diagram 3)**
9. Now connect your garden hose to the brass female-to-male fitting now attached to end of the 90-degree threaded elbow.
10. Turn water on slowly and increase water pressure a little at a time. Run the water through the up flow inlet side until the tank is full and water begins to flow out of the other side. **(Seen on Diagram 4)** Then turn off the water. Let the water stand in the tank for 48 hours to de-aerate the media bed.
11. You have completed the media soak. Remove the 90-degree elbow assembly with the hose assembly attached, as it will be used in the next step.

**Diagram 3 - Carbon Soak, Carbon Wash, and Resin Soak Assembly
Unassembled**



Assembled

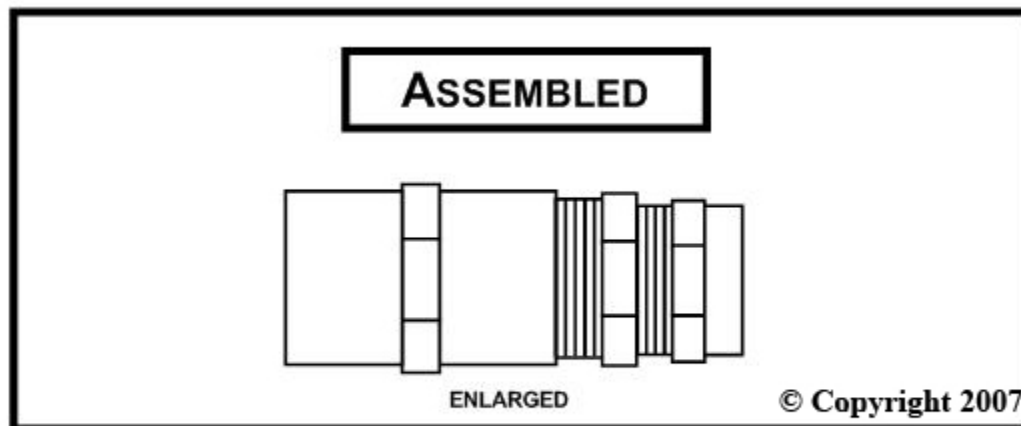
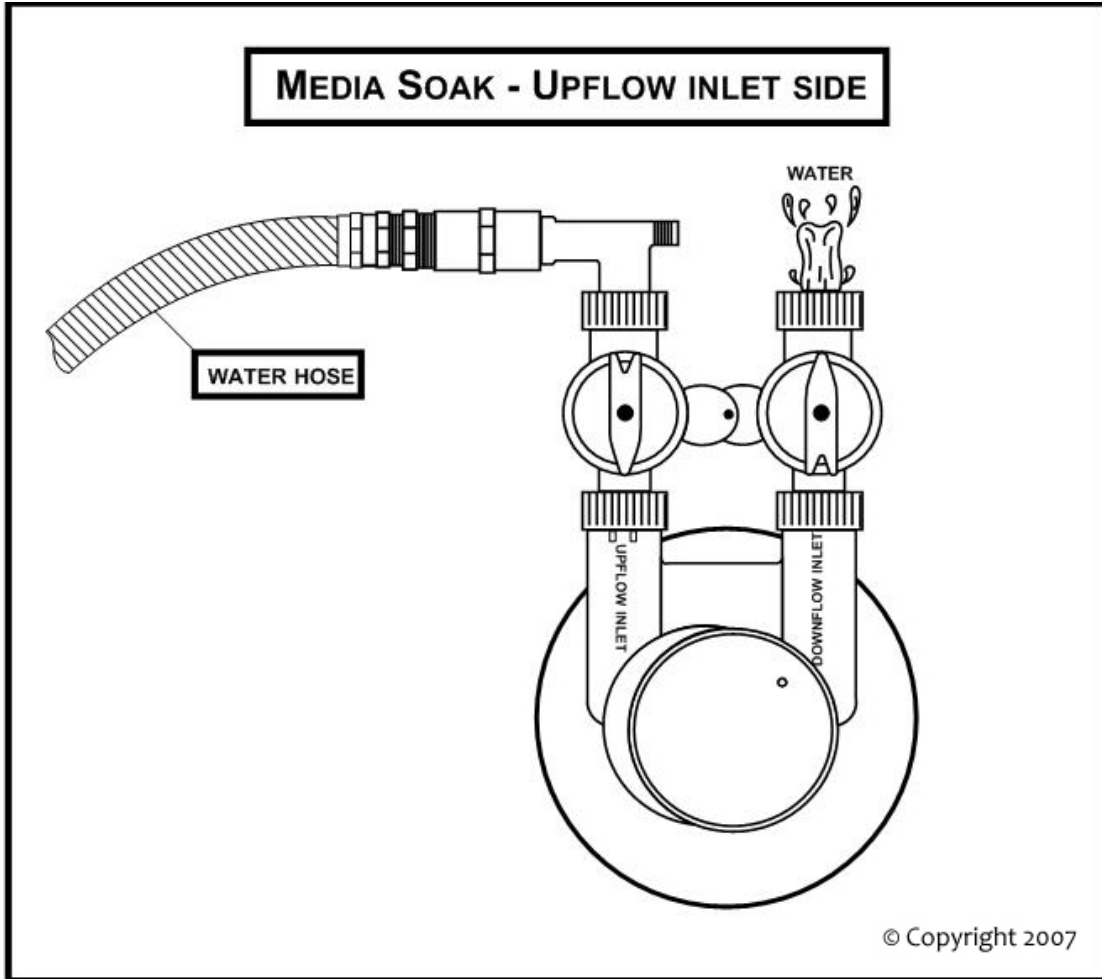


Diagram 4 – Carbon & Resin Soak (top view of tank with hose connected)



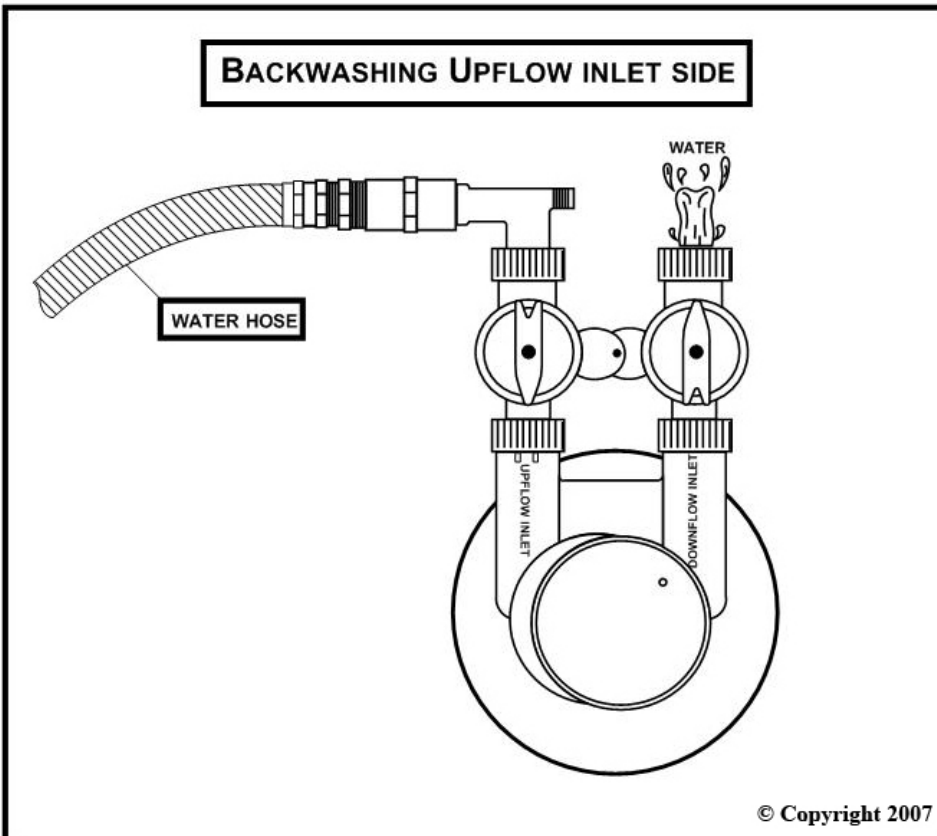
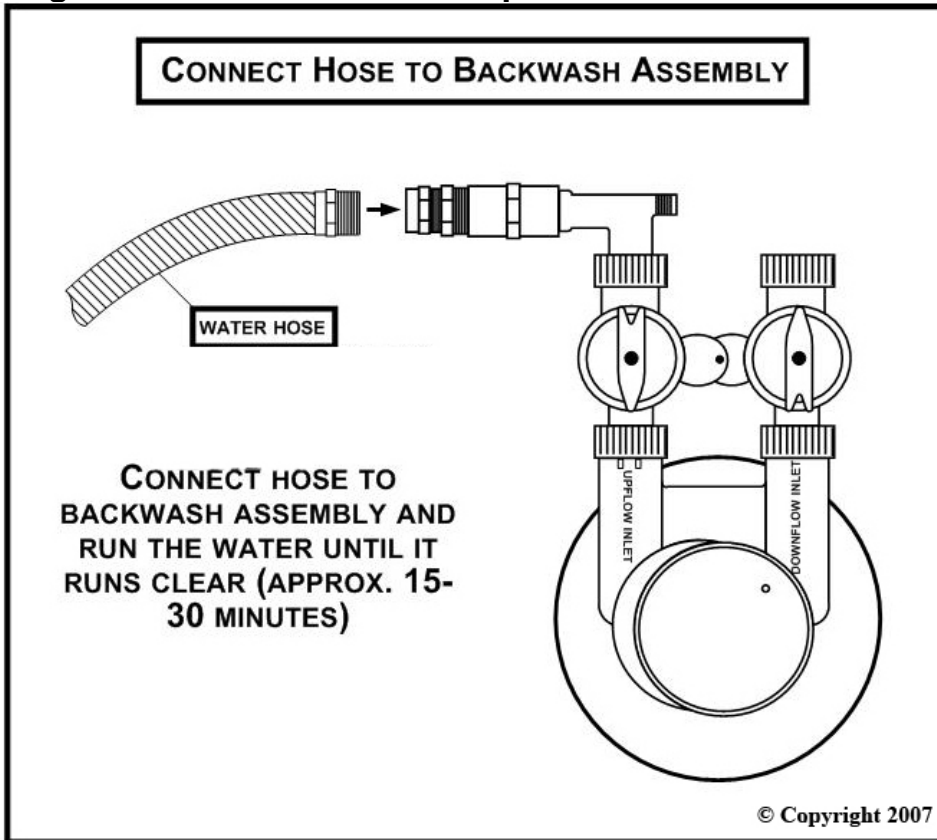
Carbon Wash (labeled PC600 or PC1000) – Diagrams 3, 5, & 6

You will need (1) threaded gray 90-degree elbow adapter, (1) black rubber o-ring, (1) white plastic split ring, and (1) black 1" quick connects. Then you will need (1) white 1" female-to-female threaded pvc adapter, (1) white pvc female-to-male 3/4" to 1" adapter, and (1) brass 3/4" male-to-female threaded hose adapter.

NOTE: Hand tighten all fittings. Do not use a wrench for these steps.

1. Attach the assembled 90-degree threaded elbow with the backwashing assembly attached, to the down-flow side of the bypass valve. **(See Diagram 5)**
2. Now connect your garden hose to the backwashing assembly now attached to the bypass valve. **(See Diagram 5)**
3. Turn water on slowly and increase water pressure a little at a time. Run the water through the down-flow inlet side for 15-30 minutes for the water to run clear. Then turn off the water. **(See Diagram 5)**
4. Unscrew the 1" quick connect from the tank and remove the 90-degree backwash assembly.
5. Now insert the 90-degree elbow into the up-flow inlet side of the bypass valve and then run the water through the up-flow inlet side for 15-30 minutes or until the water runs clear. **(See Diagram 6)** Then turn off the water
6. Your backwashing is now completed.
7. You are now ready to install the filter.

Diagram 6 – Connect hose to up-flow inlet side second



Installation of a Dual Tank System (PSE1800 or PSE2000)

NOTE: Before installing be sure that tank 1 been soaked for 48 hours and tank 1 has been backwashed. Tank 2 has soaked for 2 hours

1. The plumbing will start with the shut off valve then the pre-filter followed by the filter. (See Diagrams 2 & 7)
2. Bypass valve installation – The bypass valve comes complete and ready to install with o-rings, split rings and black quick connectors. To install simply press the bypass valve onto the head of the tank and hand tighten both black quick connectors.
3. Install the appropriate fittings to the bypass valve whether it is pvc or copper. Follow the diagrams supplied with the fittings.
4. Connect the incoming water supply to the up-flow inlet side and the outgoing water supply to the down-flow inlet side.
(Outgoing water supply is the waterline returning to the home)
5. Once the tank is hooked up slowly turn the main water supply back on. Turn the faucet closest to the system to bleed the water lines. Your installation is now complete.
6. Avoid high flow rates such as bath tubs, multi-headed showers and spas for the first 72 hours.

NOTE: As with all carbon filters it is completely normal that you may get some carbon fines or dust turning the water gray coming through the water lines in the house. It is completely harmless and shouldn't last for more than a few days, outside a week. This may or may not happen.

Diagram 7 – Top view of completed installation

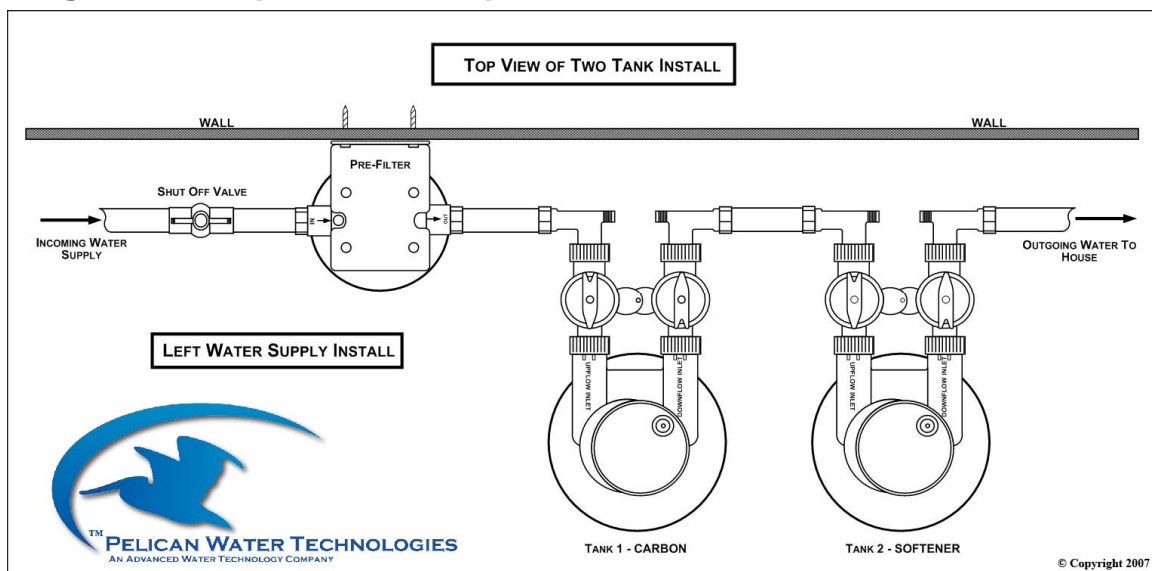
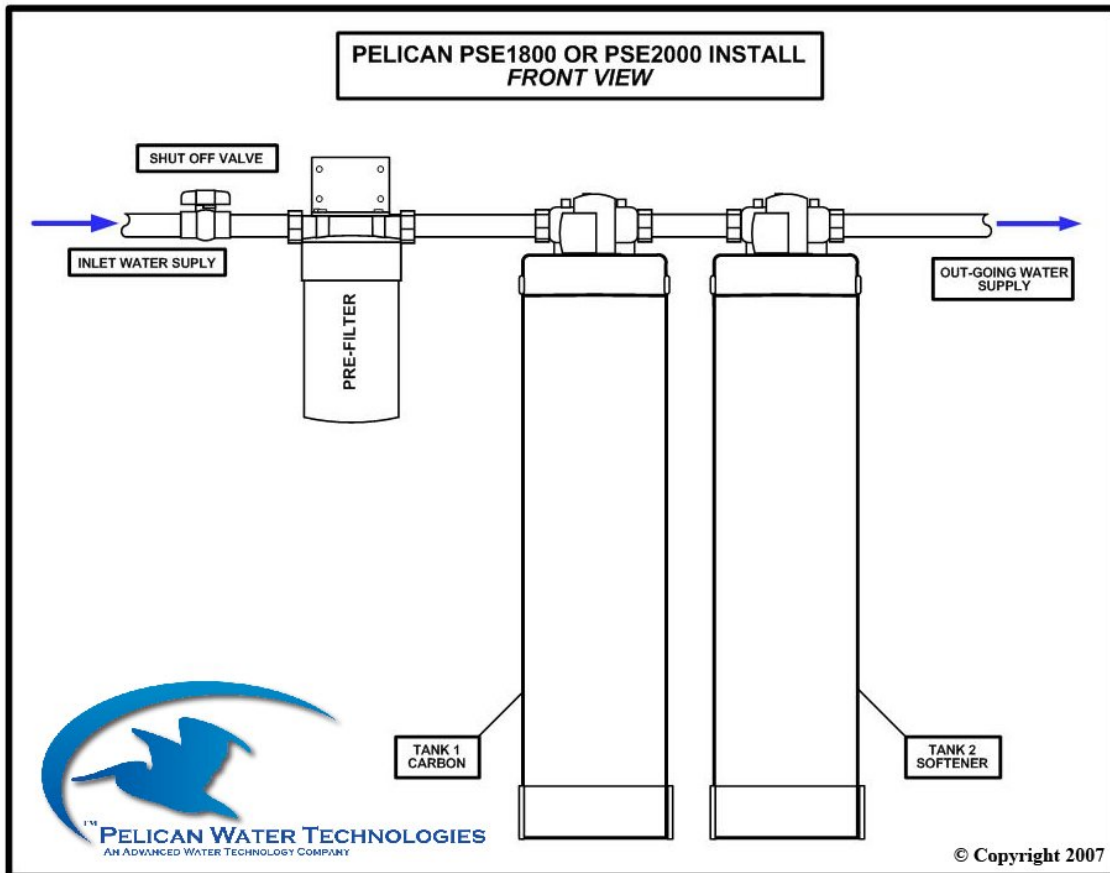


Diagram 8 - Front view of completed installation

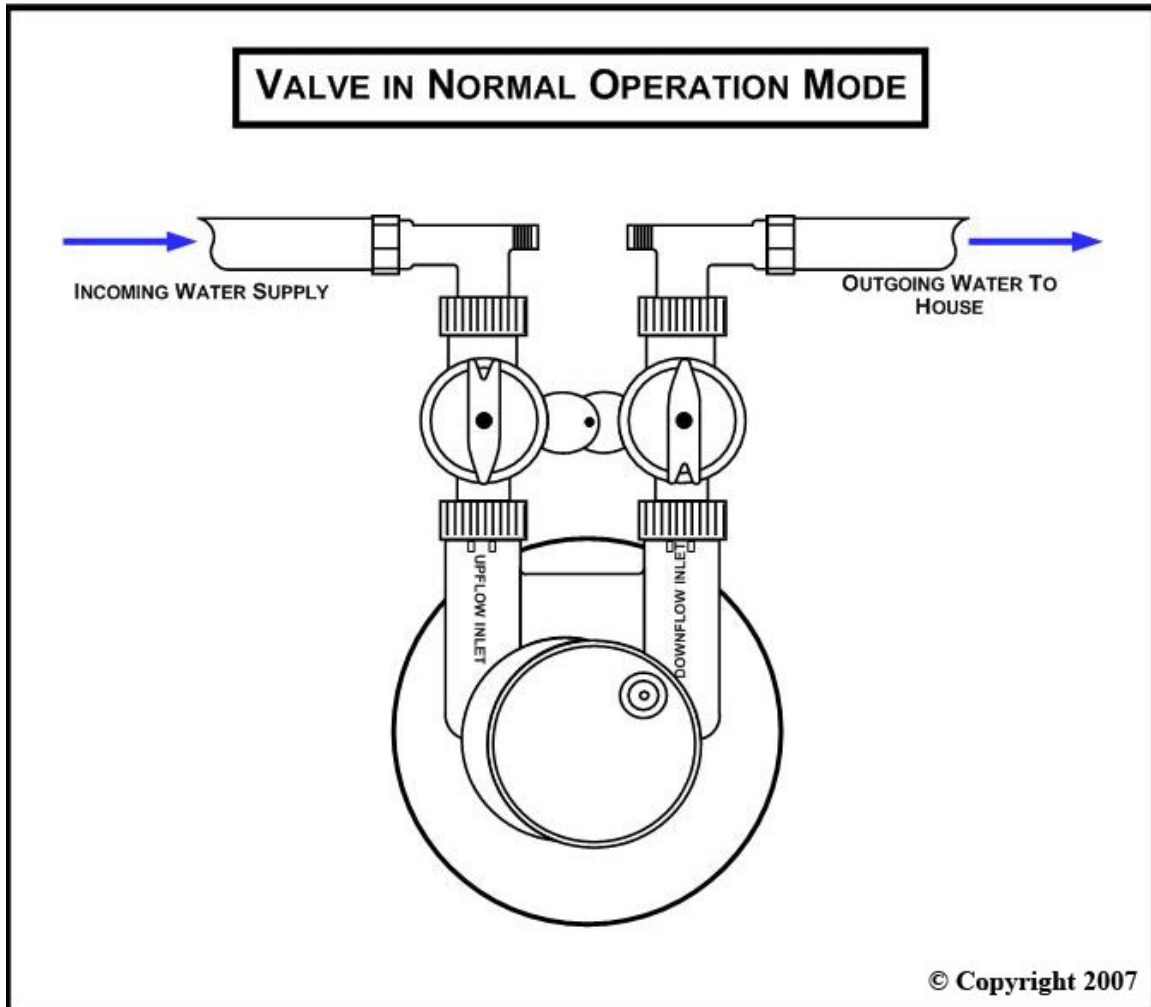


Install may vary depending on which side the main water supply is located.

Note: After installation the arrows on the bypass valve may be pointing in different direction than the diagram shows, if this is the case simply pull up on the red arrows to take them off and turn them around.

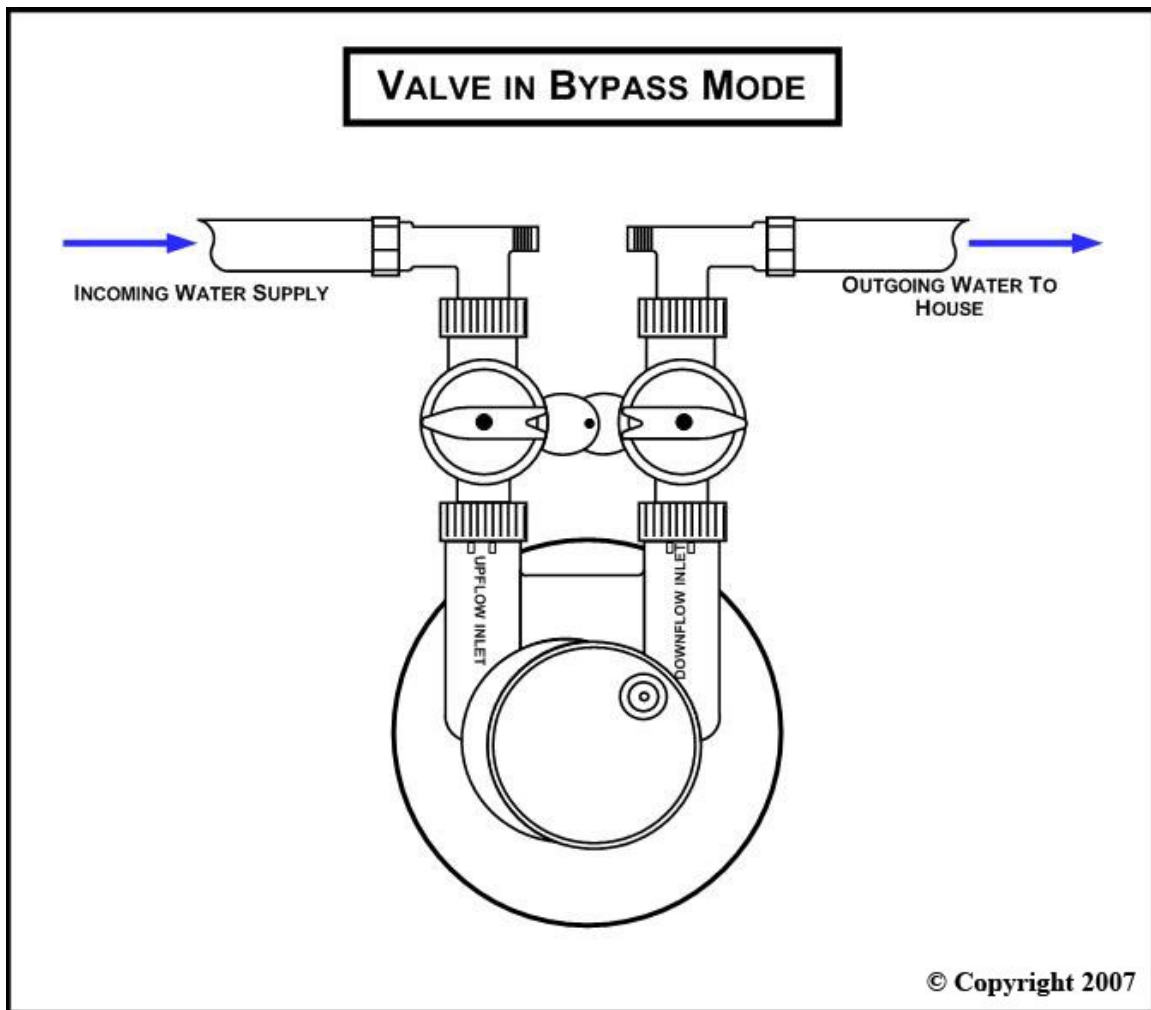
Note: When installing any of the Pelican tanks from 1 1/2" incoming waterlines you will need to reduce it down to 1/4" then to 1" to connect to the shut off valve. This will not reduce your pressure, as it will insure proper flow and prevent water pinging.

Diagram 9 - Top view of the filter/softener in Normal Operation Mode
(Type of fittings may vary depending on the type of plumbing used)



Normal Operation Position: Water flows through the control valve during normal operation.

Diagram 10 - Top view of the filter/softener in Bypass Mode (Type of fittings may vary depending on the type of plumbing used)



Bypass Position: Untreated water is supplied to the home. When the time comes to change the media this is the position to set the valve at.

Trouble Shooting

If you notice the pressure dropping off during the carbon rinse turn the water off and let the tank sit about 30 minutes to allow the carbon to settle down off of the basket inside the tank. If the pressure drops off again, let the system stand for 24 hours. The reason for this is there is air trapped in the carbon bed that needs to be released from the tank. Then continue the carbon rinse by slowly turning the water supply back on.

If you notice that the water inside the house is gray, this is normal with all carbon filters and this will slowly fade away. The carbon inside the tank can still have air pockets inside that when released; turn the water a little gray with carbon dust. The carbon dust is completely harmless.

It is recommended that the pre-filter be replaced every 6-9 months depending on the amount of sediment present in the water supply.

The system has been working great and the pressure is slowing, it may be time to change the pre-filter. Check the pre-filter and replace if need be.

If you notice water leaking at the top of the tank around the head, you may need to turn the head to tighten it up. The tank head is installed hand tight, do not over tighten the head (just turn it snug).

Do not over tighten any of the fittings; they should be hand tight with the exception of the pre-filter housing.

The head on the tank is put on hand tight and may need to be tightened up. The head may have loosened during shipping.

If the tank leans to one side simply raise the tank in the air and set it on the ground until the tank stands vertical. The bottom boot is used to stand the tank upright because the bottom of the tank is round without the boot.

If you notice that the build-up or hardness in your water has increased after hooking up the system, this is normal because the system is working at de-scaling existing scale in the plumbing lines and hot water heater.

After installation the arrows on the bypass valve may be pointing in different direction than the diagram shows, if this is the case simply pull up on the red arrows to take them off and turn them around.

Most hot water heater manufactures recommend draining or flushing your hot water heater once a year. It may be necessary to drain or flush the hot water heater after the initial 30-days. The reason for this is to remove the existing fallen scale caused by the systems de-scaling of the plumbing lines and hot water heater.

It is recommended that certain soaps be used in dishwashers like Electrasol gel packs, Method, and Generation 7 for example. These soaps work well with the system to reduce or eliminate spotting.

Clean all hard surfaces like tile and shower doors with Lime-a-way or CLR. It is recommended that a hard surface protectant be put on all glass surfaces where water may be splashed onto for example Rain-X. This will cause a sheeting action and will help keep the glass easy to clean.

Remove the protective film around the chrome tank jackets for a nice look.

Replacing the media for the PC600, PC1000

To replace the media, you will unscrew the head from the tank and pull the riser tube out of the tank. The riser tube will slide out of the upper basket attached to the head. Pour the old media out of the tank and set the riser tube back into place inside the tank. The riser tube will rest in the center of the bottom of the tank. It may be necessary to use a water hose to wash the wet media off the insides of the tank. Cover the top of the riser tube with a piece of tape then pour the new media into the tank with the funnel provided with the replacement media. Now take the tape off and take the tank head and place it over the riser tube now inside the tank and push down to screw the head back onto the tank. Follow the soak and back wash instructions for the PC600 and PC1000 and put back into service.

Pelican™ Warranty

Manufactures 10 Year Warranty:

Manufacturers 10 year warranty on the filter housing, tank head, and the bypass valve against manufactures defects

Manufactures Performance Guarantee:

The Pelican™ Carbon Series PC600 is guaranteed to perform for 600,000 gallons or 5 years. The Pelican™ Carbon Series PC1000 is guaranteed to perform for 1,000,000 gallons or (5) years. The manufacturers authorized dealers shall be responsible for the replacement of defective media only labor to replace the media is the responsibility of the purchaser.

The NaturSoft™ Systems (Models NS-3, NS-6) media carry a Manufactures Performance Guarantee for a period of one (1) year from the point of sale. The manufacturers 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. Supply water must be free from oil, hydrogen sulfide and will void any warranty or performance guarantee if present.

Note: Manufacturers' warranty and performance guarantees do not cover acts of God, misuse or abuse. All products must be used in accordance to the specifications of the system. All warranties and performance guarantees are valid to the original purchases and purchasers delivery location. Labor and or cost of damage due to misuse or defective items are the responsibility of the purchaser. A certified water test may be required for any warranty claims. Should your water test show contaminates unknown at the time of purchase or unknown to Pelican™ or Authorized Dealer, this may void the systems warranty. Please contact your Authorized Pelican™ Dealer for further details. Pelican™ Water Technologies or its Authorized Dealers will not be liable for any circumstance for consequential or incidental damages. It is the purchaser's responsibility to insure that the equipment is installed in compliance with all applicable building codes. All warranties and guarantees go thru Waterfilter USA. Call 1-866-767-6401 or email sales@waterfilter-usa.com for all warranty claims or questions.

Pelican™ Warranty Registration Form

Date received: _____ **Order ID#:** _____

Model: PSE1800 or PSE2000 (circle one)

Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Send To:

Water Filter USA – Attention Pelican Warranty Registration
3121 Suite D Opportunity Court
South Daytona, FL 32119

Plumbers Information (optional)

We like to recommend good plumbers through out 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**

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

Customer Loyalty Program

What is the Customer Loyalty Program (CLP)?

The CLP is a program that offers current customers of WaterFilter USA to earn rewards for referring friends and family to us. For each referral that results in the purchase of a Pelican whole house system from WaterFilter USA, you will receive a \$50 gift card that is eligible at all of the following restaurants: Olive Garden, Red Lobster, Bahama Breeze, or Smokey Bones.

How to start earning my rewards?

Simple, when you refer someone to us, put down their name and information below and mail us your form. If a person on your list orders from us, we will then send you your \$50 gift card. Note, that we will not call or solicit the names listed below. You must have your referral contact us directly. If you come up with more names later on that you want to submit to us, simply make copies of this form and send more in as you need to. Remember to fill in your name and phone at the bottom of each form you submit to ensure proper credit of rewards to you.



Please fill out the following information

Name	Phone	City	State	ZipCode

Send To: Water Filter USA – Attention CLP Program 3121 Suite D Opportunity Court South Daytona, FL 32119	Our Phone: 1-866-767-6401 Website: http://www.waterfilter-usa.com Fax: 1-386-760-3218
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Your Name: _____ **Phone #:** (____) - _____