

GENESIS OPTIMA WHOLE HOME FILTRATION SYSTEM MANUAL



OWNERS MANUAL

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Product Operation and Specifications

Specification Description	GO600	GO1000
Rated Service Flow Rate	8 GPM	12 GPM
Peak Flow Rate	12 GPM	16 GPM
Minimum Working Pressure	25 PSI	
Maximum Working Pressure	80 PSI	
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.
- Only for use on municipally supplied water.

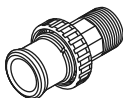
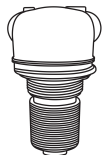
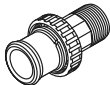

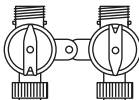

WARNING:

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.

Complete Parts List

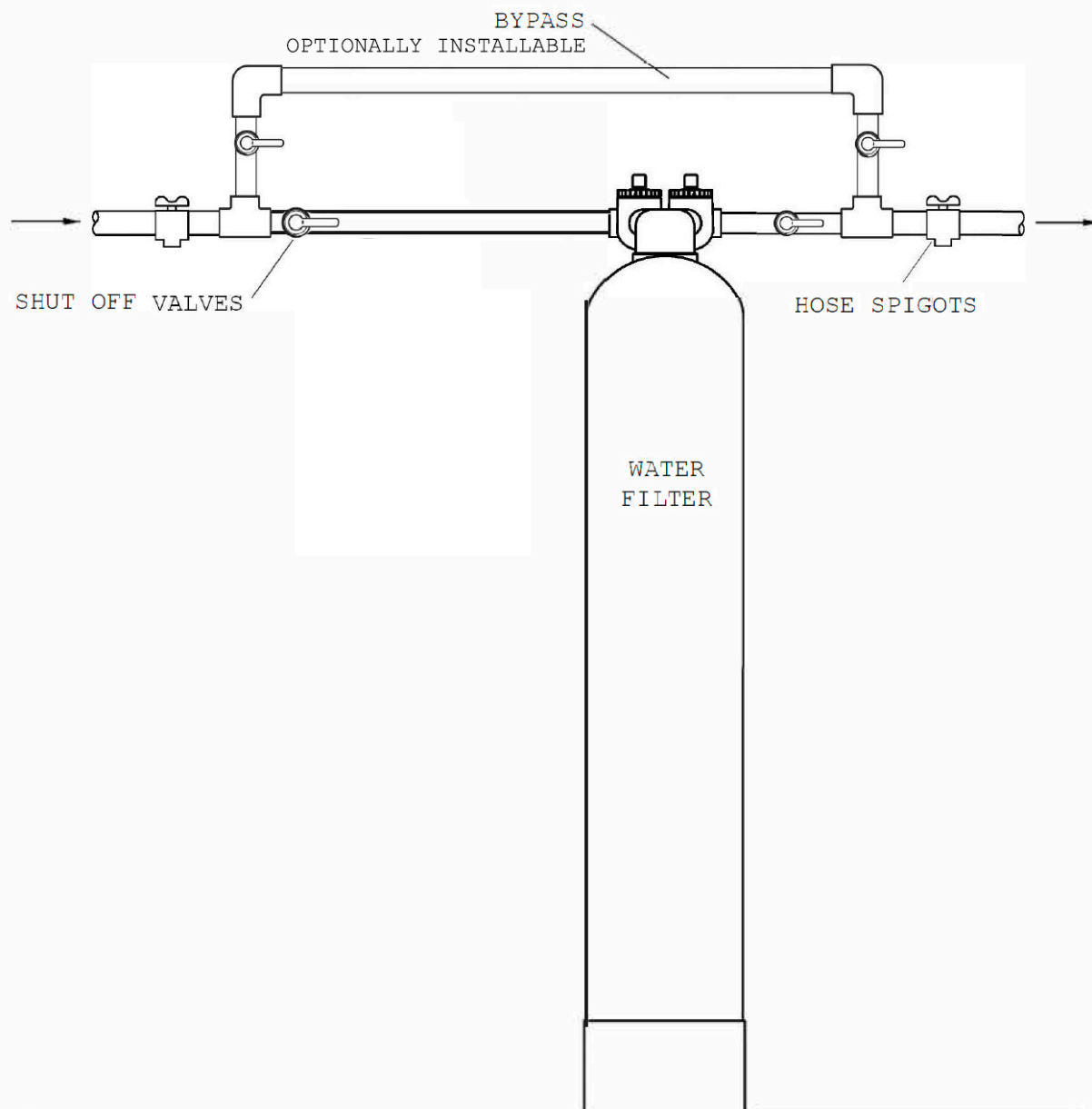
Note: Discount Water Softeners supplies the parts below to accommodate a variety of water supply lines.

Table 1: Parts List

Part	Description	Qty.	Part	Description	Qty.
	1" Plastic Male NPT Assembly: Fitting 1" Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2)	1		In/Out Head	1
	3/4" Plastic Male NPT Assembly: Fitting 3/4" Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2)	1		Genesis Optima Whole Home Filtration System	1
	Bypass Valve: In/Out Bypass Valve with Red Arrow Handles	1			
	Hose Bib Assembly	1			

Note: Drawings are not to scale.

Additional fittings will be needed to adapt to your plumbing.



Genesis Optima G0600-1000

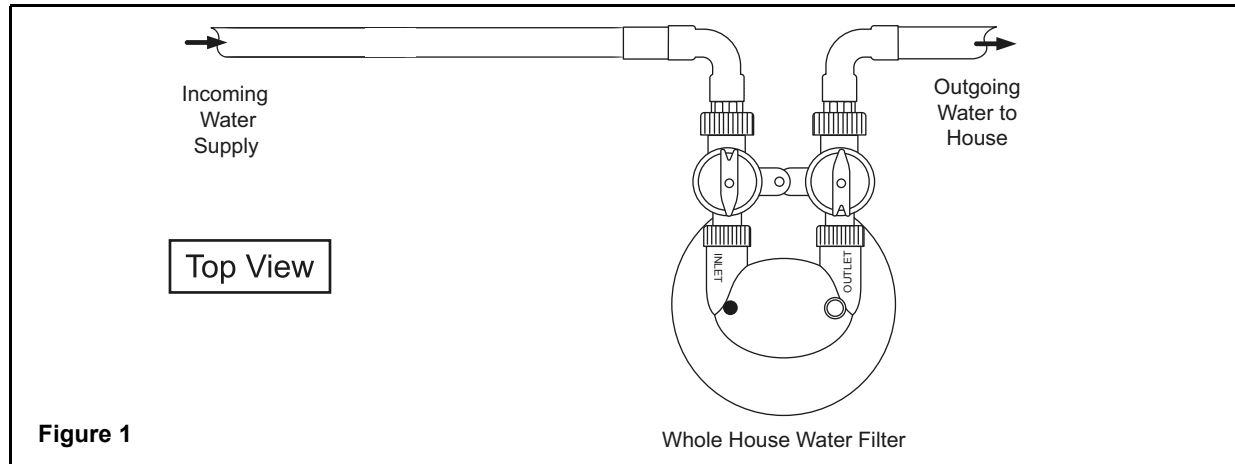
DO NOT SCALE DRAWING

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.

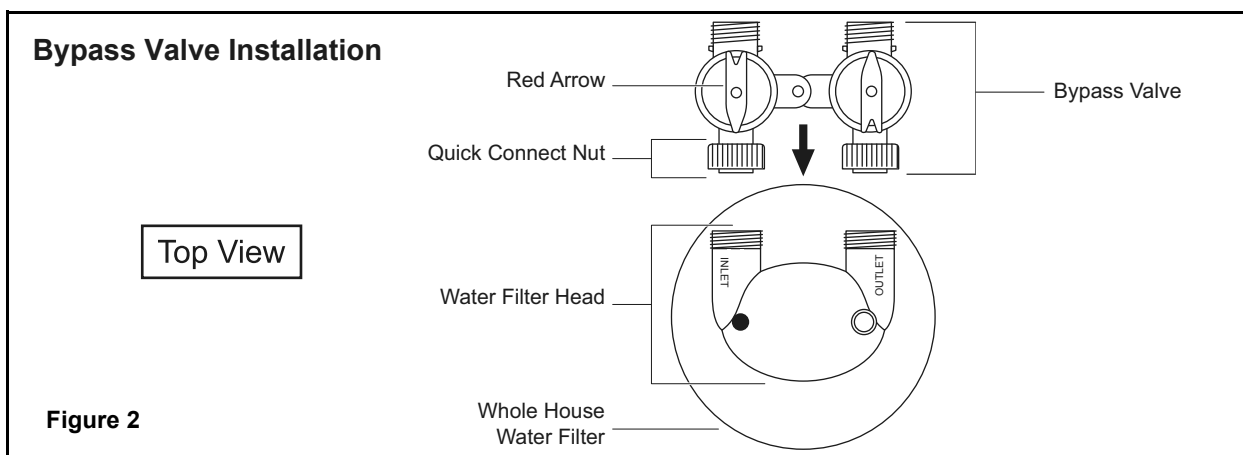
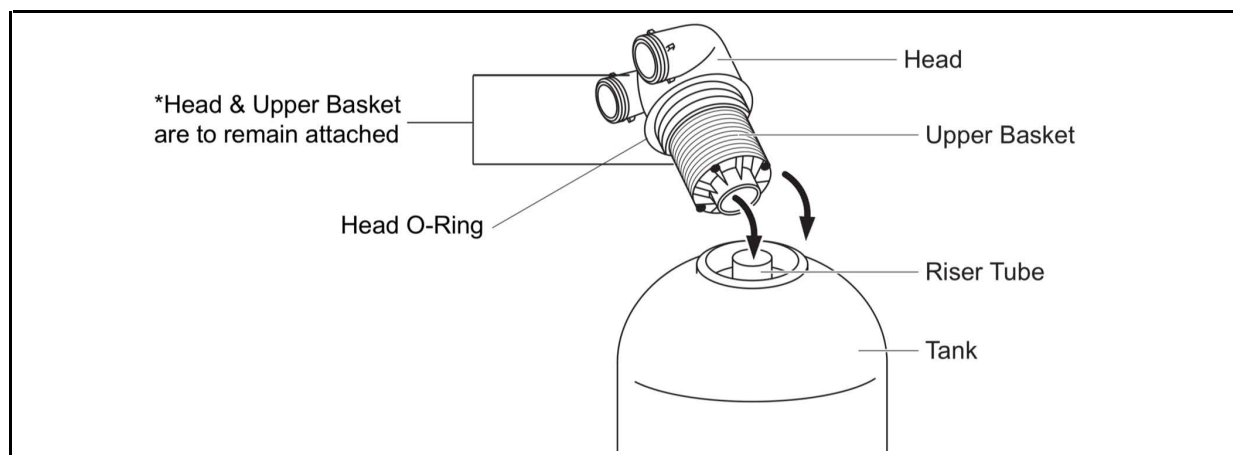
CONNECTION SIZE: 1"
MAX PRESSURE OPERATING: 80 PSI
MAX TEMPERATURE: 120°

INSTALLATION OVERVIEW
SINGLE TANK SYSTEM

Installation Overview **Continued**



Pre-Installation Remove temporary shipping cap and install in/out head with upper screen. Tighten down to half turn past hand tight.



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.

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.

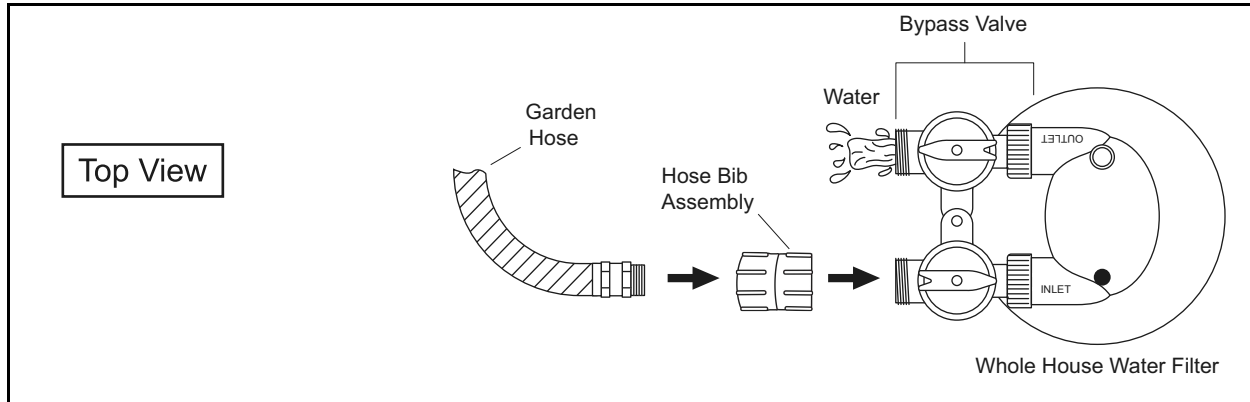


Figure 3

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.

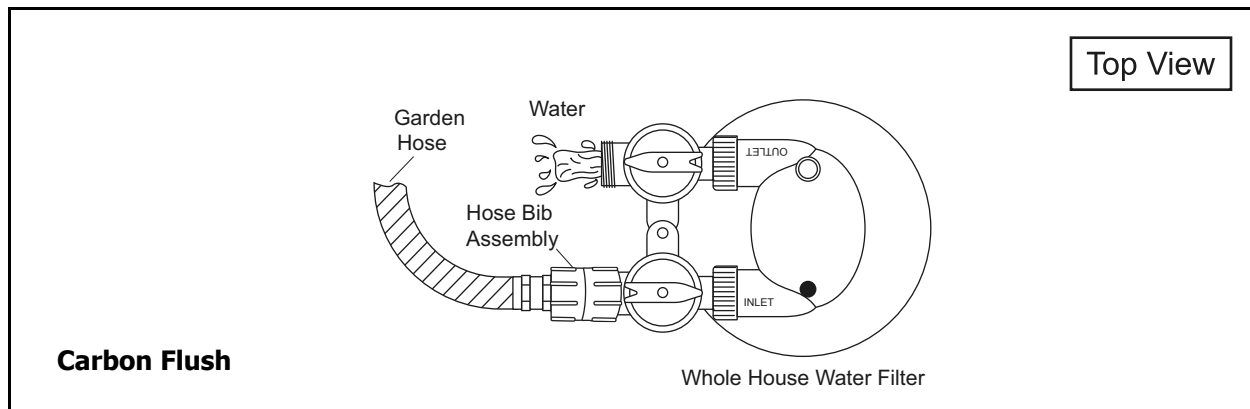
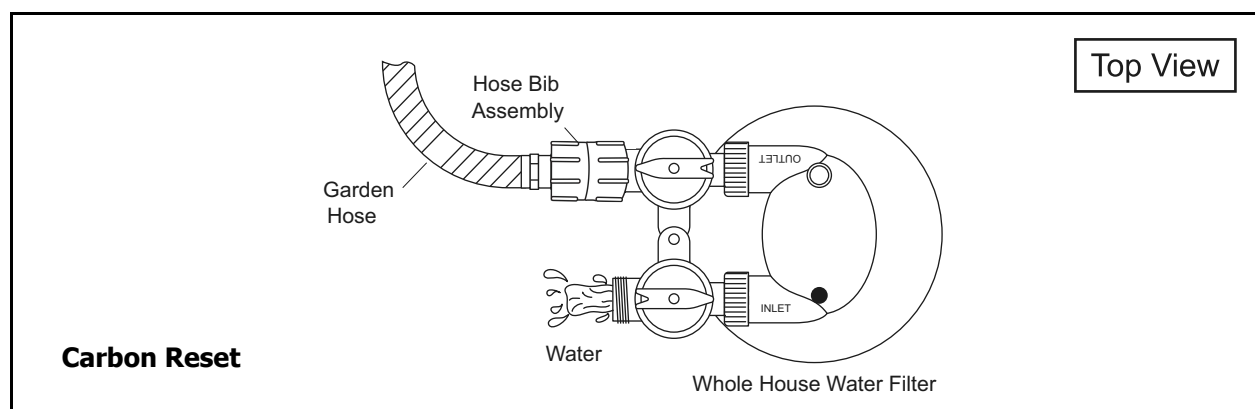


Figure 4

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

1. Level the Genesis Optima.



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.

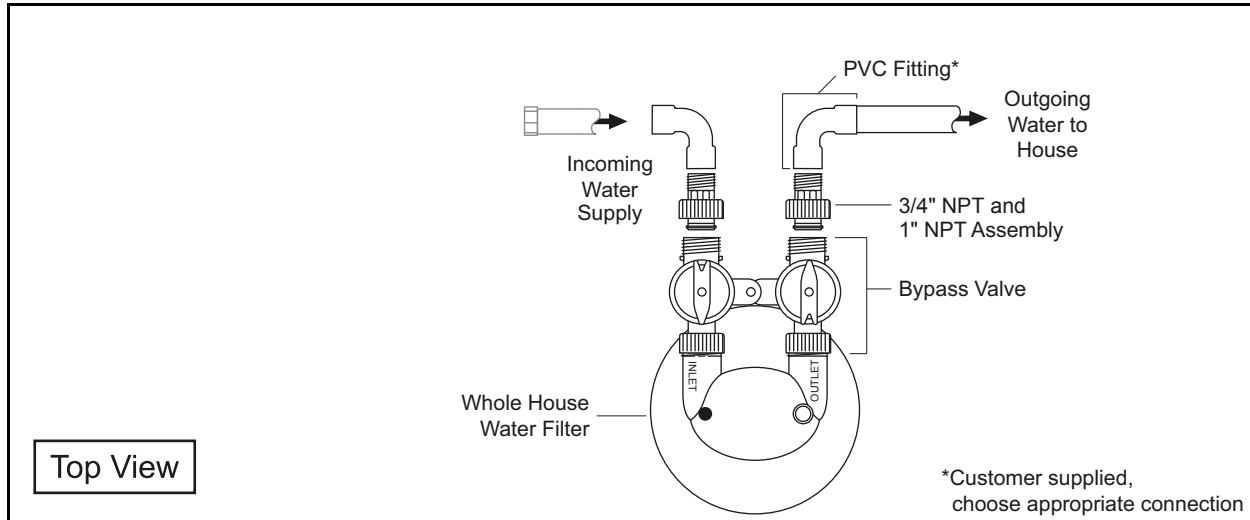


Figure 7

2. Determine the size and material of your incoming water supply and choose the appropriate plumbing required to adapt to the 3/4" or 1" Male NPT Assembly.

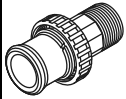
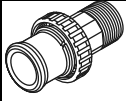


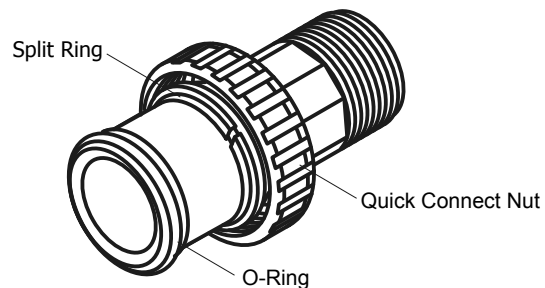
CAUTION:

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

Table 2: Bypass Valve Fittings

Note: The fitting below is designed with a 1/4" 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: Fitting 1" Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2)	1 bag
	3/4" Plastic Male NPT Assembly: Fitting 3/4" 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

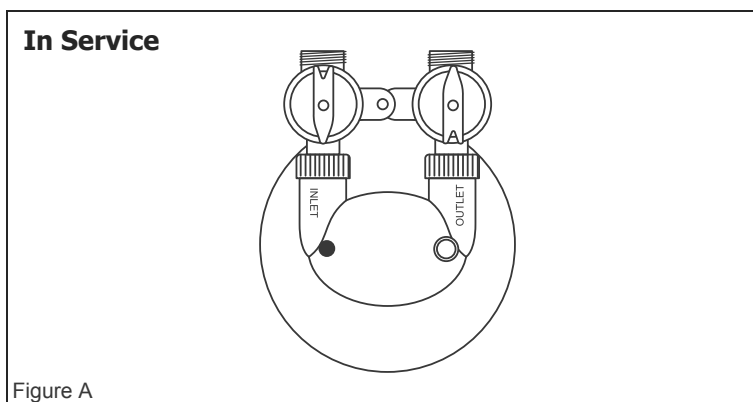


Figure A shows the system "in service" which allows water to flow in and out of the tank. In this position the system would be considered ON.

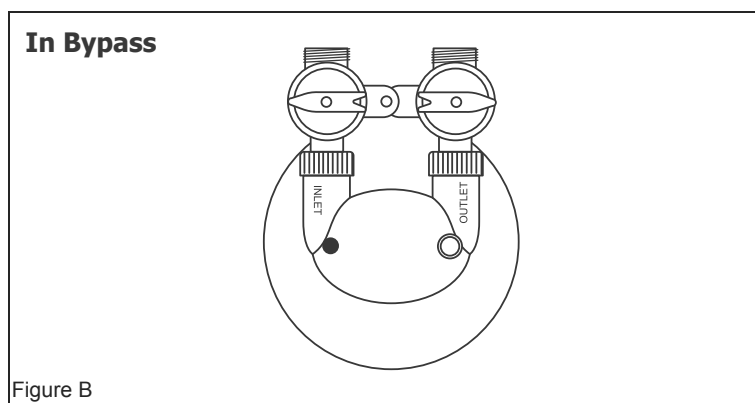


Figure B shows the system "in bypass" which will direct water straight to the home without going in and out of the tank. In this position the system would be considered OFF.

Complete the Installation

1. Turn on the main water supply.
2. Check for leaks.
3. Install neoprene tank jacket.

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.

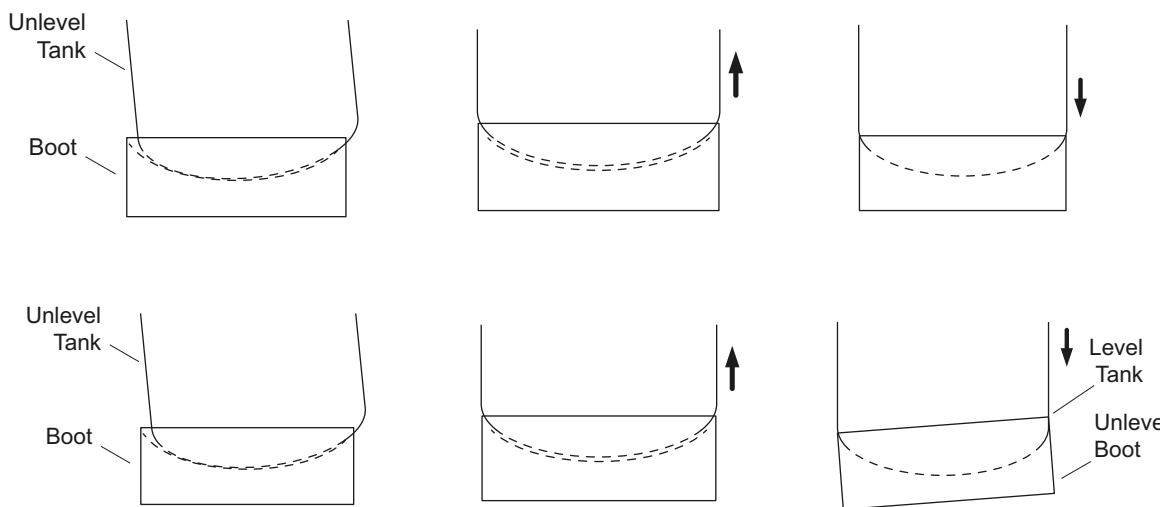
CAUTION:

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

Your Genesis Optima requires care and cleaning after a period of 5 years. Replacement media and instructions can be ordered on-line at www.discountwatersofteners.com or by calling (847) 462-9000. Model numbers for replacement media are GO600 or GO1000.

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 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

Genesis Optima Limited Lifetime Warranty

Discount Water Softeners Inc. warrants to the end user ("customer") that its tanks (13" and smaller), valves, in/out non-electric heads, bypass's, fittings and housings for POE systems ("Covered Items") will be free from defects in material and workmanship under normal use and service for a limited lifetime of twelve (12) years from the date of original purchase**.

Limitations and Responsibilities

Discount Water Softeners Inc.'s obligation to the customer under these warranties shall be limited, at Discount Water Softeners Inc.'s option, to replacement or repair of Covered Items by these warranties, labor is not covered. These warranties do not cover replacement filter cartridges, elements or lamps. Prior to return or repair of Covered Items, the customer must obtain a return goods authorization number from Discount Water Softeners Inc. by/at and at Discount Water Softeners Inc. 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, and is explicitly excluded, with respect to defects or damages 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/lives in the home in which the unit was originally installed. 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 (ie not replacing filters or media, for example) on time will be considered "neglect" and explicitly excluded from the warranty. Installation of any system on water conditions outside of or beyond the recommended specs of any system voids any warranty. Installation on private well supplied water where bacteria, iron, or manganese are present in the water will void all media warranty coverage.

Manufacturer's Performance Guarantee

The Genesis Optima GO600 is guaranteed to perform for 650,885 gallons or (5) years whichever comes first. Genesis Optima GO1000 is guaranteed to perform for 1,301,770 gallons or (5) years whichever comes first. This guarantee covers the reduction of chlorine and chloramine below minimum detection levels (MDL) for levels less than or equal to maximum influent levels allowed in NSF/ANSI 42. 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.