eco waterhouse technologies
since 1991

# Premium Whole House Water Filter & Salt Free Water Softener Combo

# MODEL 1, MODEL 2 & MODEL 3

## Installation and Start Up Manual

**949-485-8652**
**www.ecowaterhouse.com**

Manufactured and assembled in the USA by Eco Waterhouse Technologies

# Table of Contents

# Product Operation and Specifications

| Specification Description | Model 1 | Model 2, & 3 |
|---|---|---|
| **Max Flow Rate** | 9 GPM | 12 & 15 GPM |
| **Minimum Working Pressure** | 25 PSI | 25 PSI |
| **Maximum Working Pressure** | 80 PSI | 80 PSI |
| **Maximum Vacuum** | 5 inch/127 mm Hg | 5 inch/127 mm Hg |
| **Operating Temperatures** | 36°F – 120°F | 36°F – 120°F |
| **pH Range** | 7 - 11 | 7 - 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.

## Water Conditions for Operation

- The water should be free of hydrogen sulfide, a dissolved gas with a characteristic smell of rotten eggs. If present, it can coat the catalytic surface of the media and interfere with the process. The gas should be removed through adequate pre-treatment.
- The water should be free of hydrocarbons, oils, and lubricants. If present, they can coat the catalytic surface of the media and interfere with the process. Remove through adequate pre-treatment.
- The water should contain less than 1 mg/l of phosphates. Phosphates sequester dissolved hardness molecules preventing them from forming crystals and may coat the catalytic media surface and interfere with the process.
- The copper level in the water supply should be below the MCL of 1.3mg/L. If copper is present above this level, it can attach to the surface of the catalytic media and interfere with the process.
- The water should be free of Iron and Manganese, If present, they can coat the catalytic surface of the media and interfere with the process. Remove through adequate pre-treatment.

### ⚠ 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.**

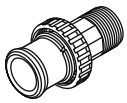
### ⚠ CAUTION:

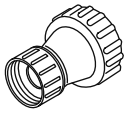
When adding a filtration/softening system to homes/buildings supplied by well water, the system should be installed following the pressure tank. **DO NOT USE this system for pneumatic or hydro pneumatic applications. If you are using a booster pump, then install this system following the booster pump.** If you have questions, please call customer service 949 285-5019

# Complete Parts List

**Note:** The parts below to accommodate a variety of water supply lines.

**Table 1: Parts List**

| Part | Description | Qty. |
|---|---|---|
|  | **Plastic Male NPT Assembly:** WS1 Fitting Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2) | 2 |
|  | **Flex SS** **Connections:** Falcon Stainless Steel Tubes | 2 |
|  | **Copper Connections:** Opptional Copper pipe Connection | 2 |

| Part | Description | Qty. |
|---|---|---|
|  | **Bypass Valve:** In/Out Bypass Valve with Red Arrow Handles | 1 |
|  | **Hose Bib Assembly** | 2 |
|  | **Whole House Water Conditioning System** Model - 2 | 1 |

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

Additional fittings will be needed to adapt to your plumbing.

**Notice:**

**Heads 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.**

## GENERAL INSTALLATION & SERVICE WARNINGS

The control valve, fittings and/or bypass are designed to accommodate minor plumbing misalignments. There is a small amount of "give" to properly connect the piping, but the water filter is not designed to support the weight of the plumbing.

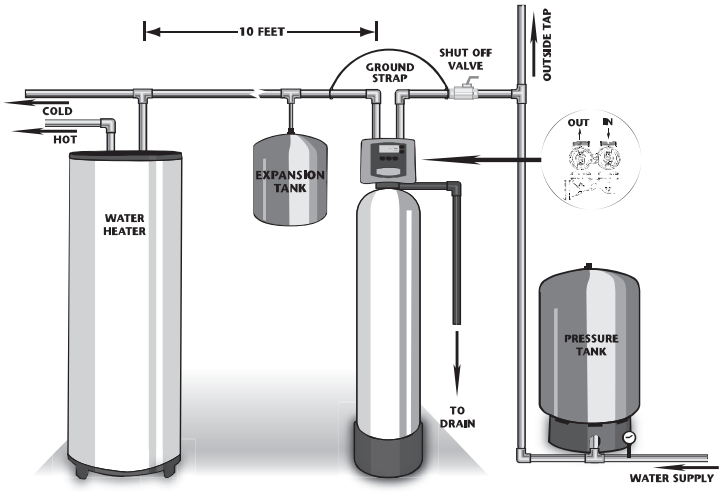
Do not use Vaseline, oils, other hydrocarbon lubricants or spray silicone anywhere. A silicone lubricant may be used on black "O" Rings, but is not necessary. *Avoid any type of lubricants, including silicone, on red or clear lip seals.*

*Do not use pipe dope or other sealants on threads.* Teflon® tape must be used on the threads of the 1" NPT inlet and and outlet, the brine line connection at the control valve, and on the threads for the drain line connection. Teflon® tape is not used on the nut connections or caps because "O" Ring seals are used. The nuts and caps are designed to be unscrewed or tightened by hand or with the special plastic Service Wrench, #CV3193-01. If necessary, pliers can be used to unscrew the nut or cap. Do not use a pipe wrench to tighten nuts or caps. *Do not place screwdriver in slots on caps and/or tap with a hammer.*

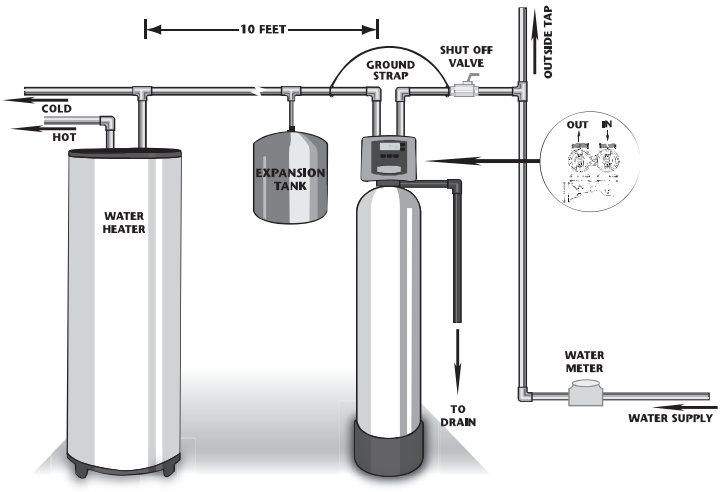
## SITE REQUIREMENTS

- water pressure – 25-100 psi
- water temperature – 33-100°F (0.5-37.7°C)
- electrical – 115/120V, 60Hz uninterrupted outlet
- the media tank should be on a firm level surface
- current draw is 0.5 amperes
- the plug-in transformer is for dry locations only

## WELL WATER INSTALLATION




## MUNICIPAL INSTALLATION




1. The distance between the drain and the water filter should be as short as possible.

2. Do not install any water filter with less than 10 feet of piping between its outlet and the inlet of a water heater. For an IMS or IMB filter, an expansion tank on the outlet side of the system is recommended.

***CAUTION:* To protect the unit in the event of a hot water heater backup, the manufacturer recommends the use of an expansion tank on the outlet side of the unit.**

3. Do not locate unit where it or its connections (including the drain and overflow lines) will ever be subjected to room temperatures under 33° F.

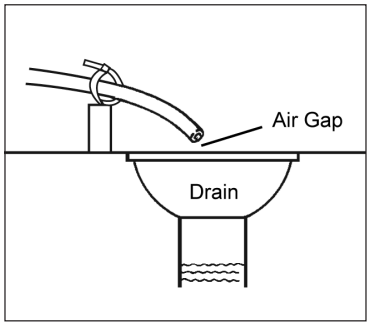
4. ***NLET/OUTLET PLUMBING:*** Be sure to install Bypass Valve onto main control valve before beginning plumbing. Make provisions to bypass outside hydrant and cold hard water lines at this time. Install an inlet shutoff valve and plumb to the unit's bypass valve inlet located at the right rear as you face the unit. There are a variety of installation fittings available. They are listed under Installation Fitting Assemblies, page 22-23. When assembling the installation fitting package (inlet and outlet), connect the fitting to the plumbing system first and then attach the nut, split ring and "O" Ring. Heat from soldering or solvent cements may damage the nut, split ring or "O" Ring. Solder joints should be cool and solvent cements should be set before installing the nut, split ring and "O" Ring. Avoid getting solder flux, primer, and solvent cement on any part of the "O" Rings, split rings, bypass valve or control valve. If the building's electrical system is grounded to the plumbing, install a copper grounding strap from the inlet to the outlet pipe. Plumbing must be done in accordance with all applicable local codes.

5. ***DRAIN LINE:*** First, be sure that the drain can handle the backwash rate of the system. Solder joints near the drain must be done prior to connecting the drain line flow control fitting. Leave at least 6" between the drain line flow control fitting and solder joints. Failure to do this could cause interior damage to the flow control. Install a 1/2" I.D. flexible plastic tube to the Drain Line Assembly or discard the tubing nut and use the 3/4" NPT fitting for rigid pipe (recommended). If the backwash rate is greater than 7 gpm, use a 3/4" drain line. Where the drain line is elevated but empties into a drain below the level of the control valve, form a 7" loop at the discharge end of the line so that the bottom of the loop is level with the drain connection on the control valve. This will provide an adequate anti-siphon trap. Piping the drain line overhead <10 ft is normally not a problem. Be sure adequate pressure is available (40-60 psi is recommended). Where the drain empties into an overhead sewer line, a sink-type trap must be used. Run drain tube to its discharge point in accordance with plumbing codes. Pay special attention to codes for air gaps and anti-siphon devices.

***AUTION:*** **Never insert a drain line into a drain, sewer line, or trap. Always allow an air gap between the drain line and the wastewater to revent the possibility of sewage being back-siphoned into the filter.**

**IMPORTANT!**

- Ensure the PVC Tubing Backwash Drain Line is not submerged and is free of kinks.
- Maximum vertical rise of the backwash line is 6 feet.
- If incorporating two or more backwashing systems make sure to keep the drain lines separate.



# Installation Overview **Details**

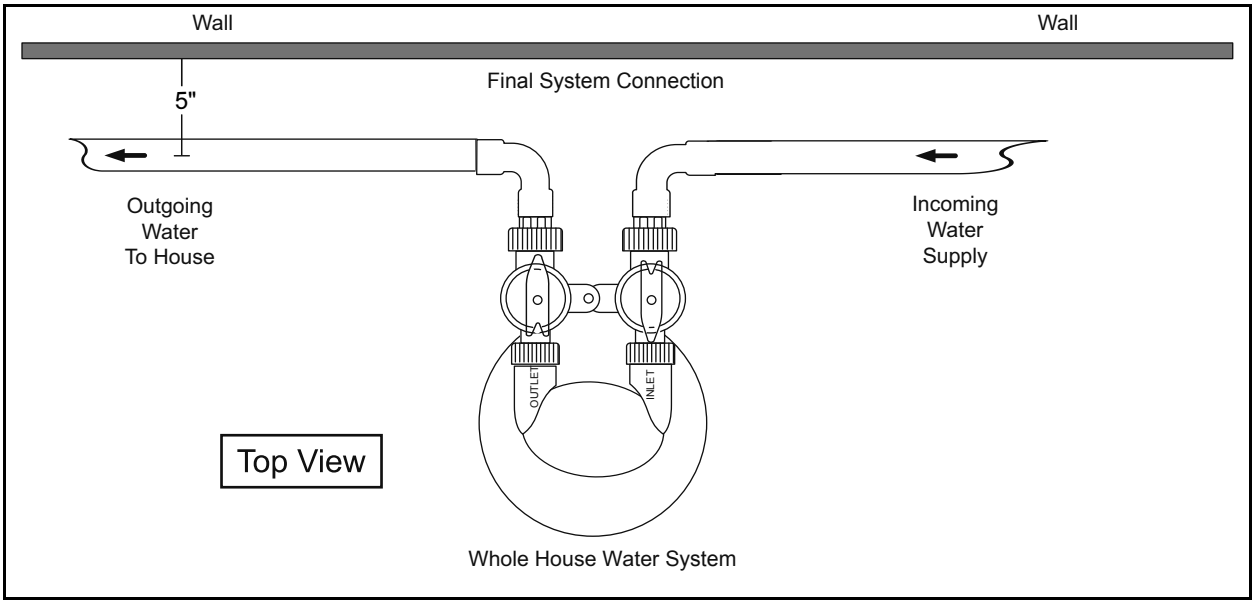



**Figure 1**

# Pre-Installation

## Bypass Valve Installation

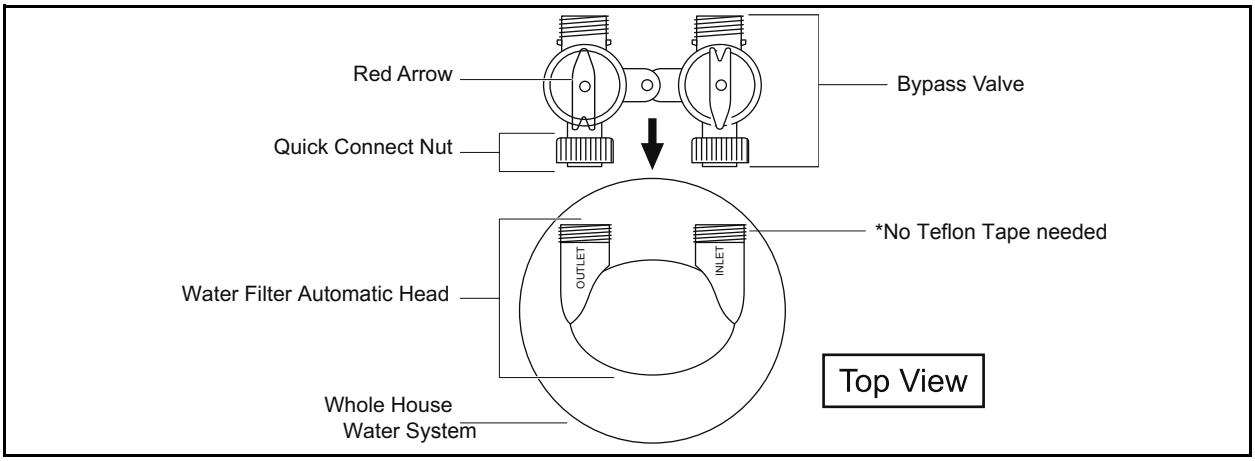



**Figure 2**

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 both the Pelican Whole House Water Filter and Salt Free Water Softener/Conditioner 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 water systems connections. 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 2-3 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.

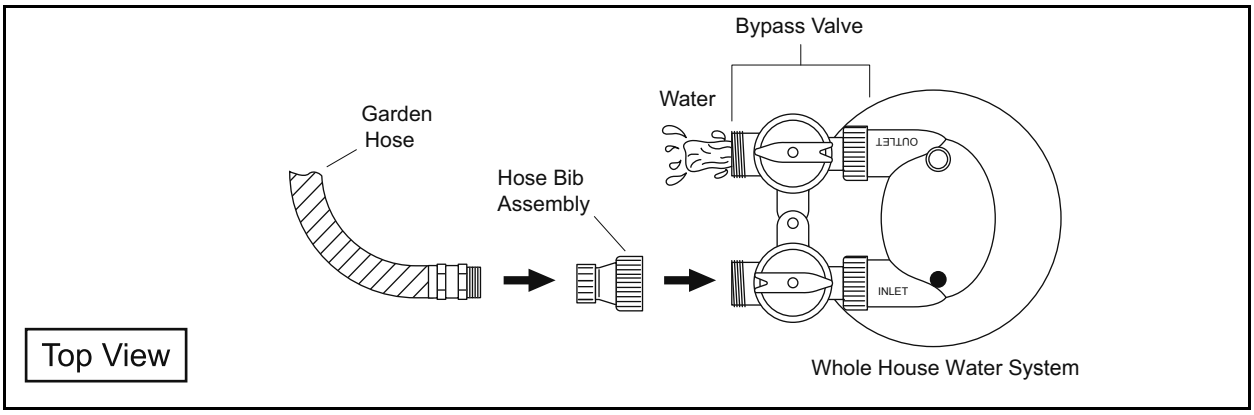



**Figure 3**

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 System slowly until water comes out of the 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 Activated Carbon Mix to soak for a minimum of 2 hours prior to installation.

# 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.

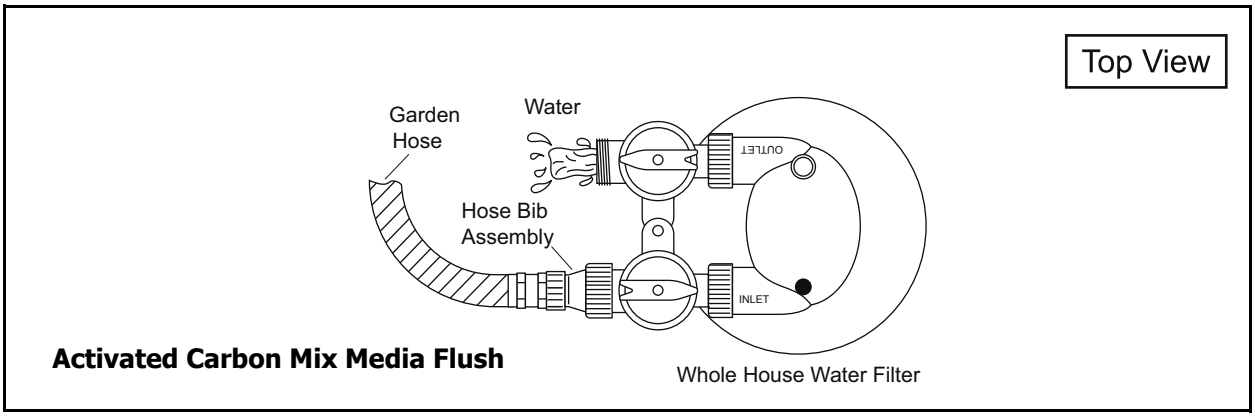
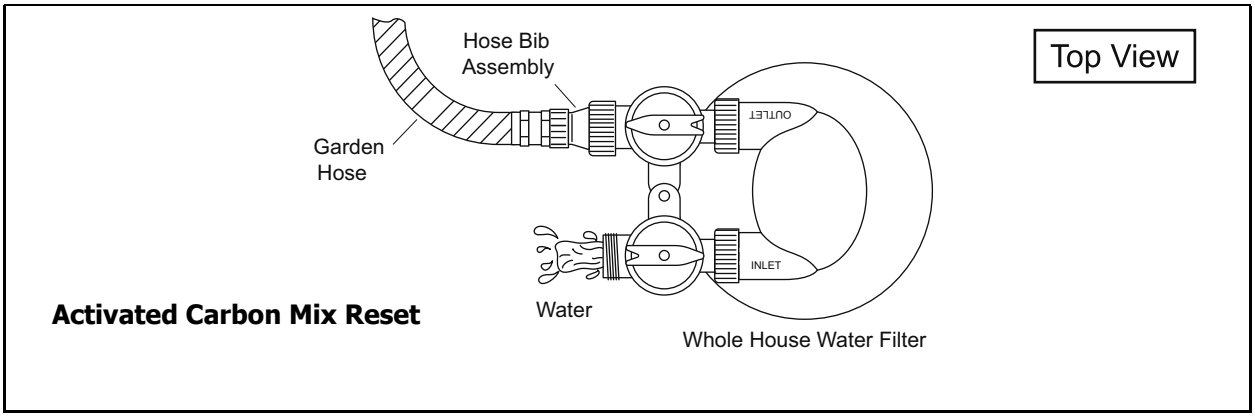



**Figure 4**

1. Reattach the garden hose to the Hose Bib Assembly.
2. Slowly turn on the water 1/4 turn.
3. Run water through the inlet side of the Bypass Valve for 20 minutes to expel the 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 reset the carbon.
8. Turn off the water.
9. Remove the Hose Bib Assembly from the Bypass Valve and disconnect the garden hose.



1. Level the House Water System.

**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.

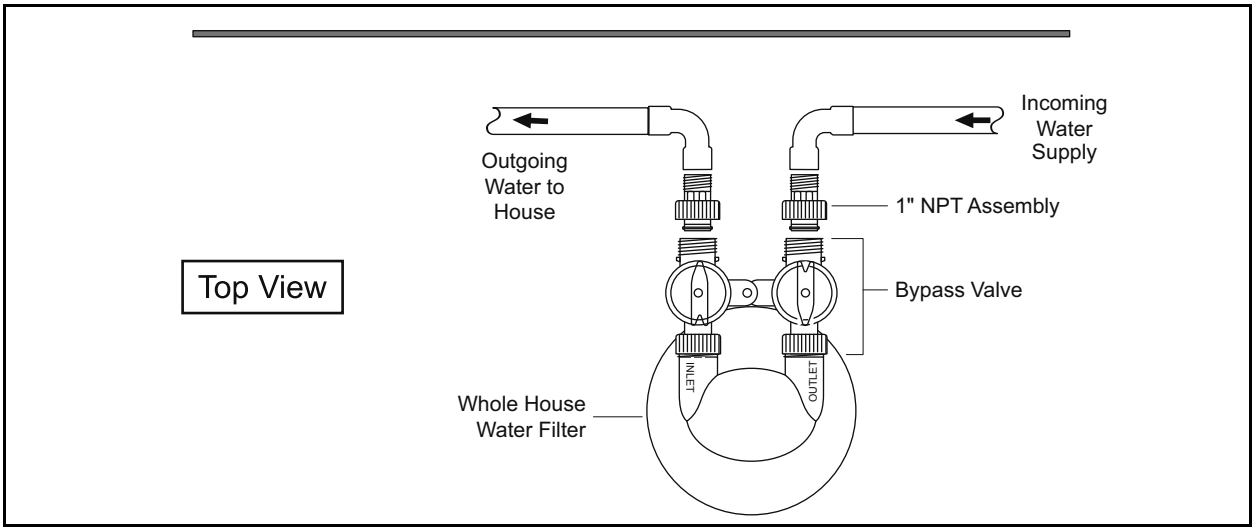


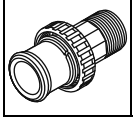

**Figure 7**

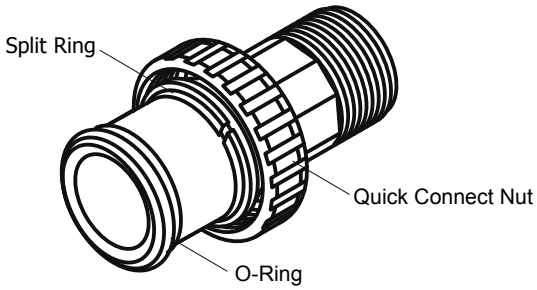
2. Determine the size and material of your incoming water supply line and choose the appropriate plumbing required to adapt to the Male NPT Assembly.

**CAUTION:**
Do not over-tighten any of the plastic 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 |
|---|---|
|  | **Plastic Male NPT Assembly:** V3007-04 WS1 Fitting Plastic Male NPT Assembly (2): O-Rings (2), Split Rings (2), and Connectors (2) |




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

1. ***NORMAL OPERATION POSITION:*** The inlet and outlet handles point in the direction of flow indicated by the engraved arrows on the control valve. Water flows through the control valve for normal operation of a water filter. During the regeneration cycle this position provides regeneration water to the unit, while also providing untreated water to the distribution system ***(Fig. 1)***.

2. ***BYPASS POSITION:*** The inlet and outlet handles point to the center of the bypass. The system is isolated from the water pressure in the plumbing system. Untreated water is supplied to the building ***(Fig. 2)***.

3. ***DIAGNOSTIC POSITION:*** The inlet handle points toward the control valve and the outlet handle points to the center of bypass valve. Untreated supply water is allowed to flow to the system and to the building, while not allowing water to exit from the system to the building (***Fig. 3)***. This allows the service technician to draw brine and perform other tests without the test water going to the building. **NOTE:** The system must be rinsed before returning the bypass valve to the normal position.

4. ***SHUT OFF POSITION:*** The inlet handle points to the center of the bypass valve and the outlet handle points away from the control valve. The water is shut off to the building. The water treatment system will depressurize upon opening a tap in the building. A negative pressure in the building combined with the filter being in regeneration could cause a siphoning of brine into the building. If water is available on the outlet side of the filter, it is an indication of water bypassing the system ***(Fig. 4)*** (i.e. a plumbing cross-connection somewhere in the building).

## NORMAL OPERATION POSITION

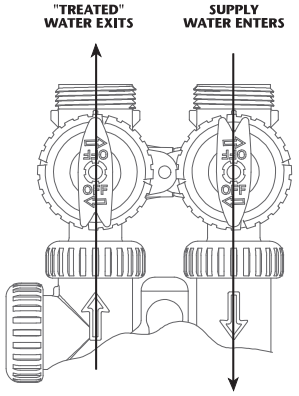



***Figure 1***

## BYPASS POSITION

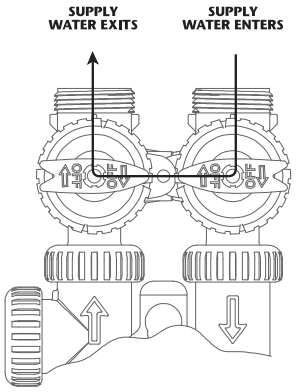



***Figure 2***

## DIAGNOSTIC POSITION

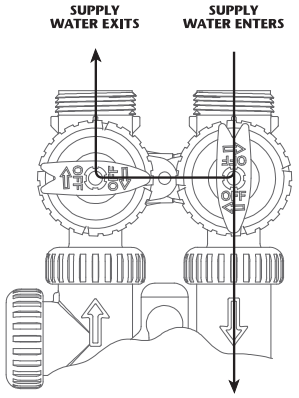



***Figure 3***

## SHUT OFF POSITION

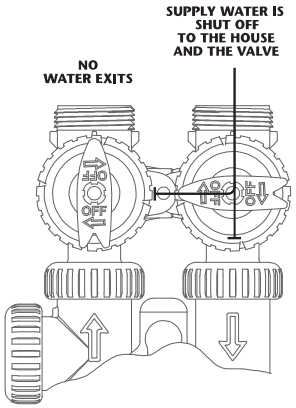
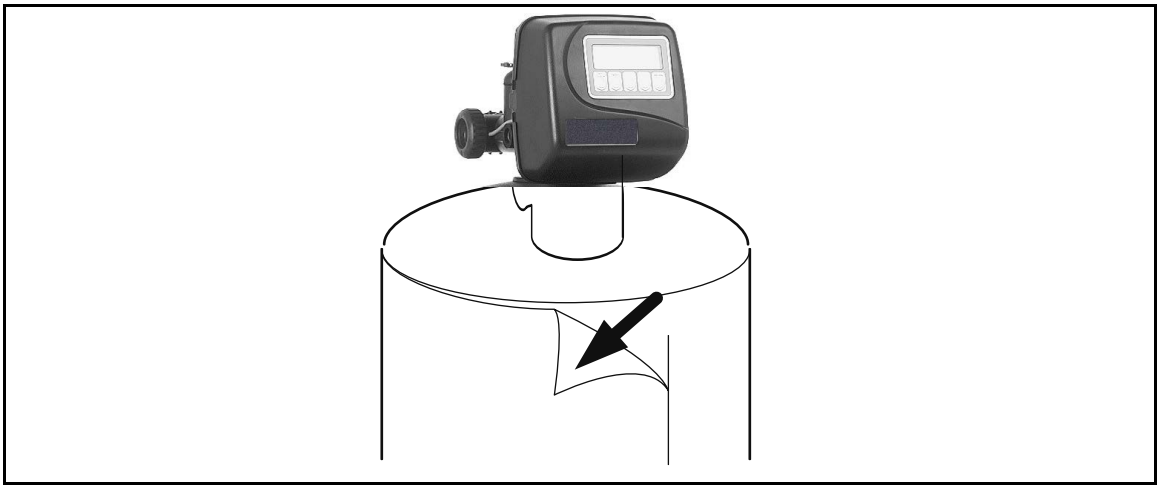



***Figure 4***

# Complete the Installation

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



4. 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:**

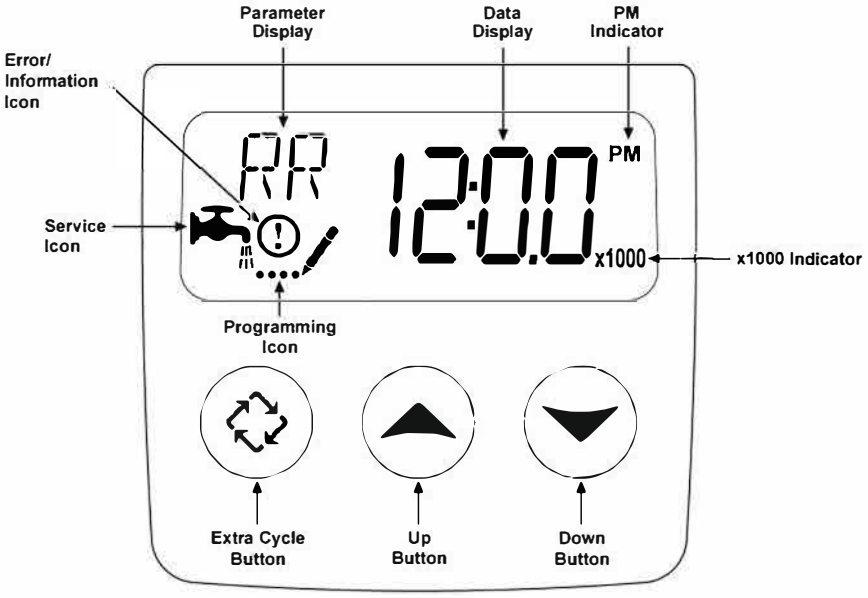
Carbon dust may be released into the water lines of the house/building during the first few days of water use after carbon tank installation. The carbon dust is harmless, but may give the water a gray appearance that should diminish within a week or 10 days depending on water use.

## Clean your Hot Water Heater

Cleaning and restoring the plumbing system is a major benefit of the Whole House Water System. In order to minimize the time required to complete the de-scaling process, we strongly recommend cleaning your hot water heater after a period of 3 weeks:

- Turn off the heat source, attach a hose to the drain valve at the bottom of the tank and flush the heater by opening the drain valve. After the water heater is completely filled with water, turn the heat source back on.

# Start up - Timer Features




**Features of the HousePure ScaleStop Backwashing Controller:**

- Power backup that continues to keep time and the passage of days for a minimum of 48 hours in the event of power failure.
- Settings for both valve (basic system) and control type (method used to trigger a backwash cycle).
- Day-of-the-Week controls.
- While in service, the display alternates between time of day and days remaining to the next Backwash cycle.
- The Service Icon flashes if a backwash cycle has been queued.
- A backwash cycle can be triggered immediately by pressing the Extra Cycle button for five seconds. During backwash, the user can force the control to advance to the next cycle step immediately by pressing the Extra Cycle button.
- The Parameter display shows the **Current** Cycle Step (BW [Backwash], or RR [Rapid Rinse]) during Backwash, and the Data display counts down the time remaining for that cycle step. While the valve is transferring to a new cycle step, the display will flash.
- The Parameter display will identify the **destination** cycle step (BW or RR) and the Data display will read "----". Once the valve reaches the cycle step, the display will stop flashing and the Data display will change to the time remaining.

**Setting the Time of Day**

1. Press and hold either the Up or Down buttons until the programming icon replaces the service icon and the parameter display reads TD (Time of Day).
2. Adjust the displayed time with the Up and Down buttons.
3. When the desired time is set, press the Extra Cycle button to resume normal operation. The unit will also return to normal operation after 5 seconds when no buttons are pressed.

# Timer Features Continued

### Setting the Backwash Cycle Frequency (Day Overide)

1. Press the Up and Down buttons for five seconds while in service, and the time of day is NOT set to 12:01 pm.
2. Use this display to adjust the backwash frequency. This option setting is identified by "DO" in the upper left hand corner of the screen (figure 1). The HosuePure® ScaleStop is preset for a 12-day backwash cycle frequency.
3. When the desired backwash cycle frequency is set, press the Extra Cycle button, the screen now shows "RT" in the upper left hand corner (figure 2). Use this display to adjust the backwash time of day setting. The HosuePure® ScaleStop is preset for backwash to occur at 12:00 am.
4. Press the Extra Cycle button once more to resume normal operation.

figure 1

figure 2

- **Queueing a Backwashing Cycle**

Press the Extra Cycle button. The service icon will flash to indicate that a backwash cycle is queued.
To cancel a queued backwash cycle, press the Extra Cycle button.

- **Manually Initiating an Immediate Backwashing Cycle**

Press and hold the Extra Cycle button for five seconds.

### Setting the Cycle Duration (Only to be performed by a qualified service professional)

1. Set the time of day to 12:01 pm. Press the Up and Down buttons for five seconds to enter the master programming.
2. Press the Extra Cycle button until "BW" appears in the upper left hand corner of the screen (figure 3). Use this display to adjust the backwash cycle duration. The HousePure® ScaleStop is preset for a 10-minute backwash cycle duration.
3. Press the Extra Cycle button until "RR" appears in the upper left hand corner of the screen (figure 4). Use this display to adjust the Rapid Rinse cycle duration. The HosuePure® ScaleStop is preset for a 10-minute rapid rinse cycle duration.
4. When the desired Rapid Rinse duration is set, press the Extra Cycle button once more to resume normal operation.

figure 3

figure 4

## Filter Operation

### Backwashing consists of three cycles:

**1. Backwash Position**

Backwash is a rapid upward flow of water that loosens the media bed and flushes iron particles, dirt and sediments filtered in the bed out to the drain.

**2. Rapid Rinse Position**

Rapid Rinse is a fast flow of water down through the media tank that follows a Backwash. This flushes all remaining organics from the tank and packs the carbon bed for efficiency.

**3. Service**

When the filter is In Service, it is flowing water through the system and reducing objectionable materials from your water.

# Timer Features (Continued)

## Control Operation During A Power Failure

- The Timer includes integral power backup. In the event of power failure, the control shifts into a power-saving mode. The control stops monitoring water usage, and the display and motor shut down, but it continues to keep track of the time and day for a minimum of 48 hours.

  The system configuration settings are stored in a non-volatile memory and are stored indefinitely with or without line power. The Time of Day flashes when there has been a power failure. Press any button to stop the Time of Day from flashing.

- If power fails while the unit is in backwash cycle, the control will save the current valve position before it shuts down. When power is restored, the control will resume the backwash cycle from the point where power failed. Note that if power fails during a backwash cycle, the valve will remain in it's current position until power is restored. The valve system should include all required safety components to prevent overflows resulting from a power failure during backwash.

- The control will not start a new backwash cycle without line power. If the valve misses a scheduled backwash cycle due to a power failure, it will queue a backwash. Once power is restored, the control will initiate a backwash cycle the next time that the Time of Day equals the programmed backwash time. Typically, this means that the valve will backwash one day after it was originally scheduled.

## What to Expect with your New Salt Free Water Softener/Conditioner

**If you have never had a water softener:**

Immediately after the installation you will experience naturally soft water. All detergents will work better with treated water and you will be able to reduce the amount you use. However, there are mineral deposits and scale coating the inside of your pipes and fixtures. Over the first few weeks, this scale will dissolve, detach itself from the pipes, and come out of your faucets. This de-scaling process is temporary and will steadily diminish. During these first weeks, you will notice:

- **Reduced softness of the water.** This will be particularly evident when using hot water. The water can pick up more than ten grains of mineral content per gallon from the water heater and the plumbing.
- **Mineral silt in the water.** Since the existing limestone scale is softened and dissolved as part of the Salt free System effect, it will detach in small chunks ranging in size from very fine silt to pieces larger than a grain of sand. The larger pieces may be big enough to build up in the aerator screens of your fixture. Considerable silt-like accumulations may be visible on the shower heads, so clean them weekly for the first four weeks. Higher flow rates will shear off more of the existing scale than will lower flow rates. De-scaling activity will be most obvious in bathtubs, which have high flow and hot water. You may see milky water with sand-like grit, and possible sediment or iron in the bath tub.

The water line supplying fixtures which experience the most use will be cleaned the quickest and will be the first to return to providing you the full benefits you experienced immediately following installation; rarely used fixtures will take longer.

**If you had a traditional water softener:**

A traditional water softener turns dissolved mineral hardness (calcium bicarbonate) into dissolved sodium bicarbonate. The Whole House System 2 technology maintains the healthy mineral content of the water without adding the bicarbonate. You will notice:

- **The water does not feel as soft.** The absence of the calcium and the presence of sodium bicarbonate makes the water feel slick and slimy. If you miss the slick feeling, add some baking soda (sodium bicarbonate) to your bath.
- **The water spots are more visible.** A water softener replaces calcium with sodium. The water spotting that a traditional water softener leaves behind is a salt haze that wipes off very easily and is far less noticeable than spots caused by minerals. The Whole House System 2 treatment results in reduced spotting compared to untreated water, but more visible spots than produced by traditional, chemically treated softened water. The Whole House System 2 mineral spots are much easier to clean than spots from untreated water.
- **Soap curd forms with certain products.** Oil-based soaps like Ivory will react with calcium minerals to form a sticky film. Detergent-based cleaners like shampoos, shower gels, dish soaps, and laundry detergents will react very slightly or not at all. All detergent will work better with treated water, but you will notice very little improvement when using regular bar soap or oil-based products since the minerals are largely still able to react with the fats in the soap to form the curd.
- **There is some mineral silt in the bathtub.** Depending on the water chemistry of your water supply, you may still have some scale deposits in your plumbing system.

## What to Expect with your New Salt Free Water Softener/Conditioner - continues.

**If you have a dishwasher:**

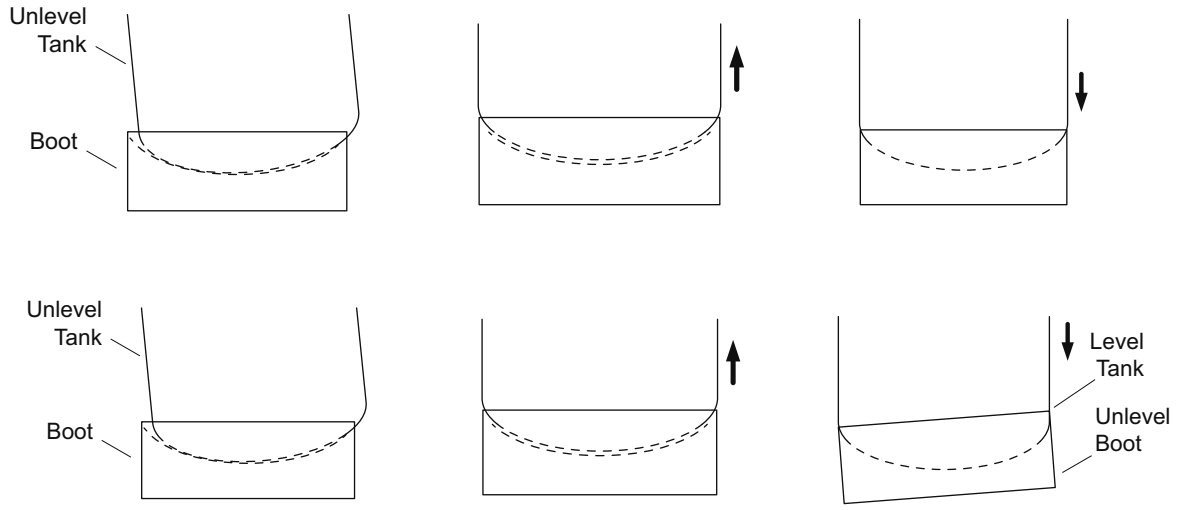
Generally, the Whole House System 2 removes mineral hardness from solution and forms micro crystals; it does not physically remove the natural minerals from the water. Harsh chemicals, specifically acidic (low pH) detergents or rinse agents, can re-dissolve these crystals. This reduces the desired effect. Also, dishwashers are supplied by the hot water side of a building's plumbing system, so for the first few weeks, the water hardness inside the dishwasher will be higher than normal. For both of these reasons, you will have to adjust the combination and amounts of detergents and rinse agents. Gel packs offer a great alternative since they contain detergents and rinse agents in just the right amounts. This dishwasher detergent has received rave reviews from our customers:

- Lemi-Shine Rinse Agent

**If you have glass shower doors:**

Years of untreated hardness can etch the surface of your glass allowing for soap scum and minerals to get stuck in your glass. We recommend cleaning the glass surface thoroughly with a de-scaling cleaner such as CLR then applying a few coatings of Rain-X to seal the pores on the glass surface. This process will fill the pores in the glass and allow the water to bead. (Rain-X and CLR are available at all big box stores.)

# 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 inside the tank 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 harmless. |
| 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. |

# Limited Warranty

To Whom Warranty is Extended:

This warranty is issued to the original owner at the original location site and is not transferable to other sites or to subsequent owners of the system.

## Coverage:

This limited warranty covers the Eco Waterhouse Technologies systems delivered to the original owner at the original location when the system is purchased for personal, family, or household use. It is intended to cover defects occurring in workmanship or materials or both.
Warrantor's Performance and Length of Limited warranty - Eco Waterhouse Technologies warrants that upon receipt from the original owner of any mechanical or electronic part which is found to be defective in materials or workmanship, Eco Waterhouse Technologies will replace the defective item for 5 years from date of original installation. Eco Waterhouse Technologies further warrants that upon receipt from the original owner of any Eco Waterhouse Technologies media tank / valve body, brine cabinet (if installed), found to be defective in material or workmanship, Eco Waterhouse Technologies will replace the defective item for 10 years from date of original installation.

All defective parts must be returned, along with the equipment serial number and date of original installation, to Eco Waterhouse Technologies PREPAID, and replacement parts will be returned by Eco Waterhouse Technologies to the original owner FREIGHT COLLECT. FURTHER EXCLUSIONS AND LIMITATIONS ON WARRANTY THERE ARE NO WARRANTIES OTHER THAN THOSE DESCRIBED IN THIS WARRANTY INSTRUMENT.

This warranty does not cover any service call or labor costs incurred with respect to the removal and replacement of any defective part or parts. Eco Waterhouse Technologies will not be liable for, nor will it pay service call or labor charges incurred or expended with respect to this warranty. In the event the water supply being processed through this product contains bacterial iron, algae, sulphur, tannins, organic matter or other unusual substances, then, unless the system is represented as being capable of handling these substances in the system specifications, other special treatment of the water supply must be used to remove these substances before they enter this product. Otherwise, Eco Waterhouse Technologies shall have no obligations under this warranty. This warranty does not cover damage to a part or parts of the system from causes such as fire, accidents, freezing, or unreasonable use, abuse or neglect by the owner.

This warranty does not cover damage to a part or parts of the system resulting from improper installation. All plumbing and electrical connections should be made in accordance with all local codes and the installation instructions provided with the system. The warranty does not cover damage resulting from use with inadequate or

defective plumbing; inadequate or defective water supplier pressure (maximum operation pressure must not excide 80 psi), inadequate or defective house wiring; improper voltage, electrical service, or electrical connections; or violation of applicable building, plumbing, pipes relocations, or electrical codes laws, ordinances or regulations.

THIS WARRANTY DOES NOT COVER INCIDENTAL, CONSEQUENTIAL OR SECONDARY DAMAGES. ANY IMPLIED WARRANTIES ON THE PRODUCT DESCRIBED IN THIS WARRANTY WILL NOT BE EFFECTIVE AFTER THE EXPIRATION OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Claims Procedures Any defects covered by this warranty should be promptly reported to:

Eco Waterhouse Technologies
24671 La Plaza Unit2
Dana Point, CA 92629
Tel: (949) 285-8652

In writing about the defects, please provide the original owner's name, telephone number and original address, serial number and model number of the product, and date of purchase . Eco Waterhouse Technologies reserves the right to replace defective parts with exact duplicates or their equivalent.

For Owner's Reference:

Model No. *Eco Waterhouse Technologies MODEL 2 (TurboTAC)*

Equipment Serial No. _____

Installation Date _____

Installer's Signature _____

**Eco Waterhouse Technologies** .

Call: 949 285-8652

www.ecowaterhouse.com

# Warranty Registration Form

Send in this Warranty Registration Form to validate your warranty.

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**Warranty Registration Form**

| **Date Item(s) were Received:** | **Order ID#:** | **Model:** |
|---|---|---|
| | | |

**Purchased From:**

**Model/Serial Number:**

**Name:**

**Address:**

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

**Send To:**

Eco Waterhouse Technologies
24671 La Plaza, Ste 2
Dana Point, CA 92629
Phone: (949) 485-8652

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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

## *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

| | |
|---|---|
| | **Clack WS1.1/4 Automatic Valve** WQA Gold Seal tested and certified under NSF/ ANSI61 for material safety and tested according to NSF/ANSI 42 for structural integrity only |
| | **Clack V3007-xx Bypass Fittings –** WWQA Gold Seal Certified to NSF/ANSI Standard 44 for material safety and structural integrity only. |
| | **SP3 Salt Free Media -** WWQA Gold Seal Certified to NSF/ANSI Standard 44 for material safety and structural integrity only. |
| | **SP3 Salt Free Media and Activated Coconut Catalitic Media and Activated Coconut Media and Structure Media Tank -** Certified that the product meet strict standards for public health protection. |