



**GREENFIELD  
WATER SOLUTIONS**

# *PureSync*

## *5-Stage Undersink Structured Water System*

INSTALLATION GUIDE



**SCAN CODES FOR VIDEO INSTALL GUIDES**



**Direct To Faucet**



**To Included Spigot**



## Parts and Preparation:

### Inventory Parts Received

1. This Instruction Sheet
2. Filter Housing (assembled)
3. 2 small mounting screws
4. Water Supply Tee Connector (3/8 push connector x 3/8 male compression x 3/8 female compression)
5. Inlet/Outlet 1/2" mpt x 3/8" push connector
6. Faucet assembly
7. Connecting tubing (3/8 plastic)
8. Faucet connector (white plastic) with blue locking clips
9. Filter housing wrench
10. Direct connect kitchen faucet parts
11. In-line Flow Restrictor



## Instructions:

**Step 1 - Ensure all the neecessary parts are in the bag.**

### Step 2 - Prepare Filter Housing

1. Gently place the vortexer into the bracket
2. Attach fittings to Inlet/Outlet - 1/2" mpt x 3/8" push connector - Use teflon tape for threaded fittings.
3. Select a suitable location for the filter housing under the sink. Location should be accessible for filter cleaning and/or replacement.

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(NOTE: The flow arrow embossed on the top of the head indicates the filter inlet)

### **Step 3 - Install the Water Supply Tee Connector**

1. Turn off the cold water supply valve under the sink. If there is no valve, turn off the water to your house at the main meter.
2. Open the cold water faucet to let off the pressure. Make sure the valve is off and the faucet is not dripping.
3. Unscrew the nut that holds the cold water supply line into the pipe where you just turned the water off from.
4. Install the Tee Connector onto the exposed threads and tighten. **BE CAREFUL NOT TO CROSS THREAD. **\*\*Overtightening will crack the plastic threaded push connector fitting.\*\*****
5. Screw water faucet supply line back onto the tee connector.

NOTE: Do NOT turn the cold water line back on yet, the water will flow directly out of the tee connector and flood your kitchen.

### **Step 4 - Installing the Inline Flow Restrictor**

1. Identify the appropriate location in your water line where you intend to install the Inline Flow Restrictor. Ensure that there is sufficient space and accessibility for the restrictor.
2. Take note of the flow direction indicated by arrows on the flow restrictor. Ensure that the arrows align with the direction of water flow in your system.
3. Cut the water line at the desired installation point, using a pipe cutter or appropriate cutting tool. Ensure a clean and straight cut.
4. Insert the cut ends of the water line into each end of the Inline Flow Restrictor's Quick Connect fittings. Push the tubing firmly into the fittings until it locks securely in place.
5. Once the connections are made, verify that the tubing is tightly secured and does not leak. If any leaks are detected, recheck the connections and make necessary adjustments.

### **Step 5 (Alternative Option): Direct to Kitchen Faucet Install**

If connecting directly to the cold water faucet and not using the provided water dispenser, use the two fittings supplied with your Direct Connect Faucet Kit.

1. A stainless female thread x push connector (Connects to the water supply valve then to filter housing inlet)
2. A brass 3/8" male compression fitting x push connector. (Connects to the cold water faucet to filter housing outlet)

### **Step 6 - Install the Accessory Water Dispenser**

1. Select a suitable location for the accessory water dispenser as close to the sink as possible allowing convenient space under the sink for assembly. If not using the extra sink hole, drill the sink top with a 1/2" bit to accommodate the inlet pipe.
2. Assemble the water dispenser to the sink top:
  - A. Insert the valve through the sink top with the rubber washer underneath the chrome plate on top of sink surface.
  - B. Thread lock washer and brass/plastic nut onto the thread assembly underneath the sink and tighten by hand and if necessary, carefully with a wrench.
  - C. Attach the push-fit faucet connector directly onto the metal pipe end.

### **Step 7 - Install Connecting Tube**

1. Cut two pieces of the 3/8" plastic tubing to fit from the water supply to the inlet of the filter housing and from the outlet of the filter to the water dispenser.
  - A. Tubing from water supply to filter housing inlet:
    - a. Insert one end of tubing into outlet push connector of the tee fitting. (seat completely into push connector fitting), and insert lock clip.
    - b. Insert other end of tubing into inlet push connector of filter housing. (seat completely into push connector fitting), and insert lock clip.
  - B. Tubing from filter outlet on top of the housing to the water dispenser.
    - a. Both ends of tubing are to be inserted into the push connectors.
    - b. Insert blue lock clips onto the sleeve of all push connectors.

## **Step 8 - Start-Up**

1. Open the tap fully by lifting the lever to its vertical position to allow trapped air and water to flow out of the system.
2. Turn water on at the main inlet of the cold water supply. Water should start flowing out of the faucet once housing has filled with water.
3. Once water begins to flow out of the faucet after air is expelled, turn off water flow and let it stand for 20 minutes.
4. Turn water flow back on and flush the system for a five to ten minutes or until all carbon fines are flushed from the system. Reinsert the CarbonBlock filter into the stage 3 filter housing.
5. The system is now ready for use. Taste will improve once filters are completely flushed of residual particles.
6. Note and record the date; check the condition of the filter element in about six months, or earlier if flow rate drops off noticeably.

Please Note: As water passes through the new filters, tiny oxygen bubbles will be created causing your water to appear white or “cloudy.” This is normal and harmless and will disappear after a few days of use, but may last up to a week. The water is safe to consume after the initial flush and there are no adverse effects.

For a 24 hour period after installation, periodically check your unit to ensure there are no leaks.

## **Troubleshooting**

1. No flow of water through the system: Check the plastic tubing for kinks, or obstructions.
2. Water leaks:
  - a. At the push fittings: inspect to be sure tubing has been fully sealed into the push connector.
  - b. At the tee connector: insure all fittings are tight.
  - c. At the housing: verify that the housing has been fully tightened.

Rated Service Flows For Filters: 1 gpm or less for optimal filtration.

Maximum Working Pressure: (125 psig) Maximum Working Temperature: 38° C (100° F)  
Minimum Operating Pressure: (10 psig) Minimum Operating Temperature: 5° C (41° F)

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# Cleaning and Maintenance

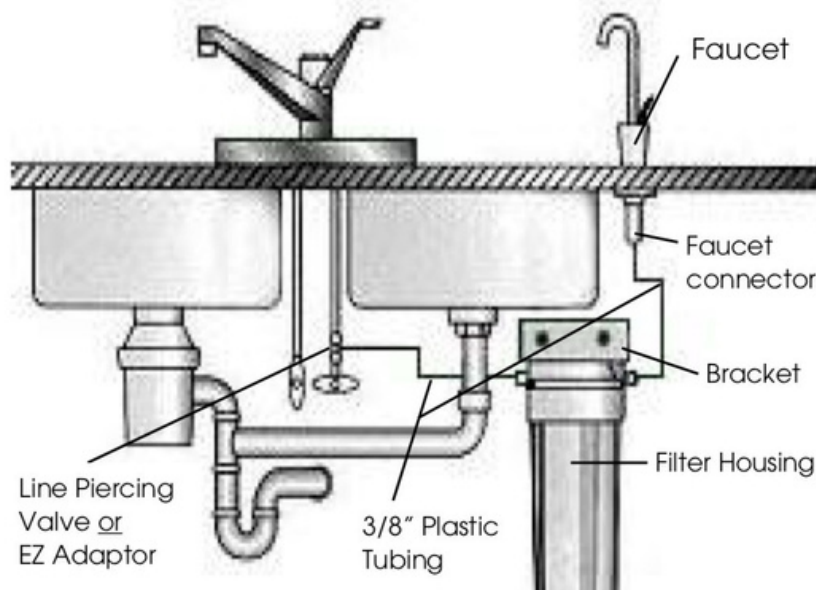
## Sanitizing Your Filter Housing:

1. Your under sink filter housings should be sanitized yearly when you change filters.
2. Turn off water supply to your filter housing and open faucet to relieve pressure.
3. Remove water and filter from stage 1 and pour a 32 oz bottle of Hydrogen Peroxide 6% solution into filter housing canister and reattach filter housing.
4. Turn on water supply and allow water to run until hydrogen peroxide is at the faucet and then close the faucet and don't use for two to three hours.
5. After two or three hours, open the faucet and flush the system of hydrogen peroxide and replace filter in stage 1.

## Cleaning the Cerametix Filter:

1. If your water supply contains a lot of solid particles, the flow rate from the filter may drop rather quickly. If this happens, the ceramic filter can be cleaned
2. Shut off water supply to cold water line.
3. Remove the ceramic cartridge from the housing.
4. Scrub the ceramic candle, using a scouring pad (3M ScotchBrite pad recommended) under cold running water to remove the accumulated material and expose a fresh ceramic surface.
5. DO NOT USE SOAPS, DETERGENTS, OR BLEACH TO CLEAN THE CERAMIC CARTRIDGE.
6. Only the ceramic filter cartridges can be cleaned.

Fully Installed DIY System



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## **\*\*Hydronix In-Line Mineralizer Installation Manual\*\***





**Thank you for choosing the Hydronix In-Line Mineralizer. This installation manual will guide you through the process step by step. Please read the entire guide before starting the installation to ensure a smooth setup**

## Requirements:

- 3/8" water supply line (included either existing on your current undersink system or with purchase of Hydronix In-Line Mineralizer)

## Installation Steps:

### **\*\*Step 1: Preparation\*\***

1. Turn on the water supply to your undersink filter system.
2. Open faucet or spigot to relieve pressure on tubing and system
3. Place a towel or cloth beneath the installation area to catch any water drips.

### **\*\*Step 2: Identify Installation Point\*\***

1. Choose a suitable location on the water supply line of your undersink filter system for installing the mineralizer.
2. The mineralizer should be set up on the 3/8" tubing *\*after\** the filter stages and *\*before\** the faucet to ensure optimal water quality.

### **\*\*Step 3: Install Mineralizer\*\***

1. Locate the pre-installed push-connect fittings on the Hydronix In-Line Mineralizer.  
Identify the inlet (water source) and outlet (water destination) sides of the mineralizer.
2. Make a straight cut through the 3/8" tubing and ensure there are no rough edges, ensure the cut is not angled as this will result in leaking from the push connect.
3. Insert the 3/8" water supply line directly into the inlet push-connect fitting until it clicks securely into place.
4. Insert the other end of the mineralizer's outlet side into the water line leading to your faucet. Ensure a firm connection by feeling for the click.
5. Place blue or red safety clips onto each push connect fitting

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**\*\*Step 4: Turn On Water Supply\*\***

1. Gradually turn on the water supply to your undersink filter system.
2. Check the fittings and connections for any signs of leaks. If you observe any leaks, turn off the water supply and recheck the fittings for proper insertion.

**\*\*Step 5: Flushing the System\*\***

1. Run water through the mineralizer and out of the faucet for a few minutes to flush out air bubbles and any loose particles that might have entered during installation. This step will help prime the mineralizer and ensure its proper functioning.

**\*\*Step 6: Final Check\*\***

1. Once the system has been flushed and there are no leaks, your installation is complete.
2. Keep an eye on the mineralizer over the next few days to ensure that everything is functioning as intended.

**Congratulations! You have successfully installed the Hydronix In-Line Mineralizer onto your undersink filter system. Enjoy the benefits of mineralized water in your home.**

If you encounter any issues during installation,  
please contact 208- 462-0626 or email  
[zach@greenfieldwater.com](mailto:zach@greenfieldwater.com)



## **Step 8 - Start-Up**

1. Remove the CarbonBlock TS3 from stage 3 of the filter housing.
2. Leave the PHA & Fluoride filters in their respective housings.
3. Open the tap fully by lifting the lever to its vertical position to allow trapped air and water to flow out of the system.
4. Turn water on at the main inlet of the cold water supply. Water should start flowing out of the faucet once housing has filled with water.
5. Once water begins to flow out of the faucet after air is expelled, turn off water flow and let it stand for 20 minutes.
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8. Note and record the date; check the condition of the filter element in about six months, or earlier if flow rate drops off noticeably.
9. As water passes through the new filters, tiny oxygen bubbles will be created causing your water to appear white or murky. This is normal and harmless and will disappear after a few days of use.
10. For a 24 hour period after installation, periodically check your unit to ensure there are no leaks.

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