



**GREENFIELD**  
WATER SOLUTIONS

**Five Stage Under Counter**  
**Structured Water Filter**  
**Install Guide**



**Step 1 - 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 removal tool (looks like a round screw driver)
10. Direct connect kitchen faucet parts (bottom image)



## **Step 2 - Prepare Filter Housing**

1. Attach fittings to Inlet/Outlet - 1/2" mpt x 3/8" push connector - Use teflon tape for threaded fittings.

2. Select a suitable location for the filter housing under the sink.

a. Location should be accessible for filter cleaning and/or replacement.

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

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 3 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 4 - 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. Remove the push fit adaptor, the brass nut and the lock washer from the inlet pipe.

b. Insert the valve through the sink top to seat the rubber washer.

c. Replace the lock washer and brass nut and tighten firmly with a wrench.

d. Attach the push-fit faucet connector directly onto the metal pipe end.

## **Step 5 - 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 7- 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.
4. Once water begins to flow out of the faucet after air is expelled, turn off water flow and let stand for 20 minutes. Turn water flow back on and flush the system for a five minutes to allow residual particles to be expelled during this first flush; this is normal. The system is now ready for use. Taste will improve once filters are completely flushed of residual particles.
5. Note and record the date; check the condition of the filter element in about six months, or earlier if flow rate drops off noticeably.
6. 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.

Optional - Secure the bracket and head assembly to the side of the sink cabinet in the desired location with the two (2) small mounting screws.

## **Troubleshooting**

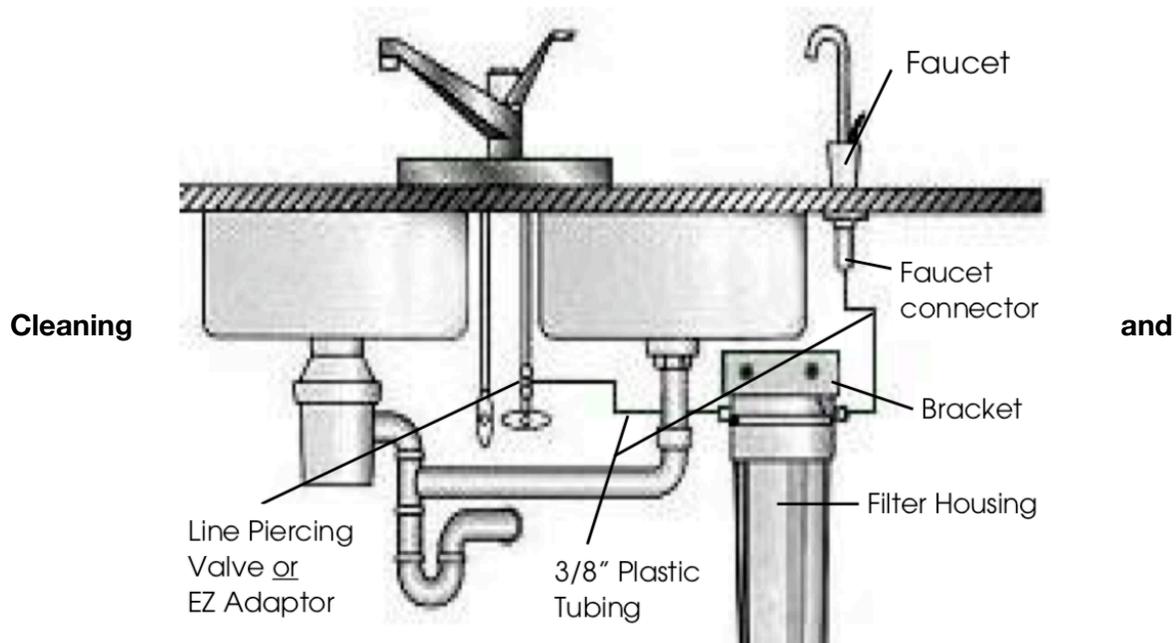
1. No flow of water through the system: Check the plastic tubing for kinks, or obstructions.
2. Water leaks:
  - a. At the push fittings: inspect to be sure tubing has been fully sealed.
  - b. At the tee connector: insure all fittings are tight.
  - c. At the housing: verify that the housing has been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

## Fully Installed DIY System



## 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.

**For Support Call 208-462-0626 or 208-596-6858**

