

NilusOne™

Under Counter Filter System Instruction Sheet



Step 1 - Inventory Parts Received

1. This Instruction Sheet
2. Filter System (loosely assembled)
3. Mounting Bracket with
 - a. 4 large self-tapping screws
 - b. 2 small mounting screws
- Parts 4-7 Only Included if ordered with the DIY KIT
4. EZ Adaptor (black)
5. Faucet assembly
6. Connecting tubing (3/8" plastic)
7. Faucet connector (white plastic)

Step 2 - Install Filter Housing

1. Select a suitable location for the filter housing under the sink.
 - a. Location should be reasonably accessible for filter cleaning and/or replacement.
2. Install the filter bracket on the filter head/cap using the four (4) self-tapping screws.

NOTE: The flow arrow embossed on the top of the head indicates the filter inlet and outlet ports.

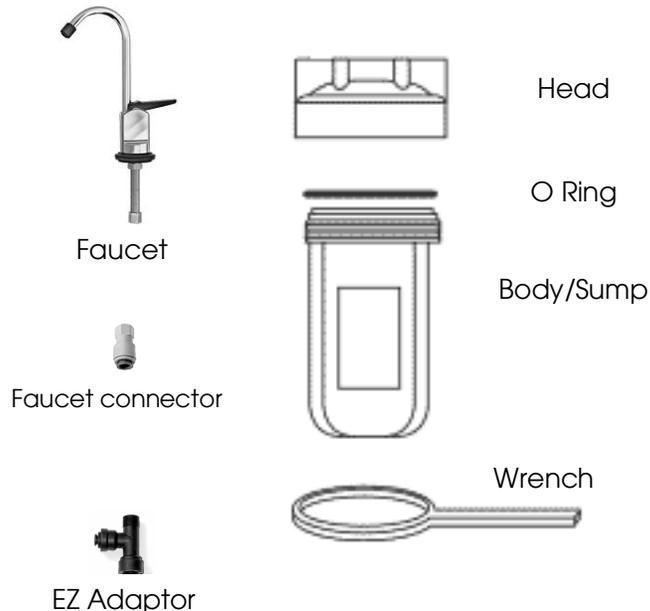
3. Secure the bracket and head assembly to the side of the sink cabinet in the desired location with the two (2) small mounting screws.

NOTE: When mounting housing to cabinet make sure to leave enough space below the body/sump for removal of the body/sump (approx 4-5in) for maintenance.

Step 3 - Install the EZ Adaptor

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 EZ adaptor on the exposed threads and tighten.
5. Reinstall the nut with the cold water supply line onto the top of the EZ adaptor fitting and tighten.

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



Step 4 - Install the Faucet

1. Select a suitable location for the drinking water faucet as close to the sink as possible allowing convenient space under the sink for assembly. Drill the sink top with a 1/2" bit to accommodate the inlet pipe.
2. Assemble the faucet 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. replace the push-fit faucet connector.

Step 5 - Install Connecting Tube

Cut two pieces of the 3/8" plastic tubing to fit between the plastic push fittings on:

- a. the line piercing valve or EZ adaptor and the filter head inlet.
- b. the filter head outlet and the faucet.

NOTE: Allow an extra 1 1/2" inches on each piece as the tip of the tubing will travel about 3/4" into each fitting to seat properly.

Seat the tubing firmly into the push-fit plastic adaptors on the piercing valve or EZ adaptor, the filter head and the faucet.

Step 6- Install The Filter Element

1. Remove the filter cartridge from the box.
2. Remove the plastic bubble wrap from the filter cartridge.
3. Verify that the rubber washers are seated in the top and bottom of the filter cartridge. Place the cartridge into the body/sump of the housing.
4. Seat the "O" ring in the appropriate groove in the body/sump and moisten it.
5. Screw the body/sump to the head: hand tighten, use the wrench to ensure a tight seal, but do not over tighten.

Step 7- Start-Up

1. Tighten the line piercing valve in a clockwise direction to pierce the pipe (skip this step if using EZ adaptor).
2. Open the tap fully by lifting the lever to its vertical position to allow trapped air and water to flow out of the system.
3. Reverse the piercing valve until flow starts (if using the EZ adaptor, turn water on at the main inlet of the cold water supply). Water should start flowing out of the faucet.
4. Flush the system for five (5) minutes before using the water, some residual particles may be expelled during this flush; this is normal.
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.

Cleaning and Maintenance

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.

Troubleshooting

1. No flow of water through the system:
 - a. verify removal of the bubble wrap from around the filter cartridge.
 - b. check the piercing valve (if used) is in the open position.
 - c. check the plastic tubing for kinks, or obstructions.
2. Water leaks:
 - a. at the piercing valve: inspect and tighten the piercing valve clamp— making sure adaptor used is the correct size for pipe.
 - b. at the push fittings: inspect to be sure tubing has been fully sealed.
 - c. at the housing: verify that the housing has been fully tightened.
3. Flow rate drops off:
 - a. open the housing and inspect the surface of the ceramic cartridge; clean or replace as necessary.

Replacement Filters

Part number: W9522550—CeraUltra Imperial OBE
W9522650—CeraMetix Imperial OBE
CF-AMB-975—AquaMetix® OBE

Rated Service Flows: CeraUltra 1.2 gpm
CeraMetix® 1.0 gpm
AquaMetix® 1.0 gpm

Rated Capacity: 4000 gallons or 12 months
Maximum Working Pressure: 862 Kpa (125 psig)
Maximum Working Temperature: 38° C (100° F)
Minimum Operating Pressure: 69 Kpa (10 psig)
Minimum Operating Temperature: 5° C (41° F)

Fully Installed DIY System

