INSTALLATION INSTRUCTIONS: UCT-FL-CB UNDER COUNTER WATER FILTER

1. Find a convenient location under the sink on the cold-water side to place the filter.
2. The faucet should be secured through an existing hole in the sink ledge (such as an old sprayer) or a \( \frac{1}{2} \)” hole can be drilled in the desired location. If you have a porcelain sink, you might consider having a professional do the drilling, or install the faucet into the countertop, back from the sink ledge. Place the small decorative beveled washer on first and then the large rubber gasket. Under the sink, slide on the metal washer, lock ring, and brass nut. Position the handle where it is convenient for you and then tighten the nut. Next screw on the gray quick-connect fitting onto the faucet stud - tighten securely. After installation of the faucet, attach the tubing to the “OUT” side fitting of the filter and then to the faucet fitting. The filter’s fittings are a special high-pressure quick-connect type. To connect, simply push the tubing into the fitting until it is completely bottomed. To disconnect, push down (towards filter) on the outer ring while pulling out on the tubing.

3. Next, install the EZ Faucet valve on the cold water line - see separate instruction sheet. Connect one end of the other tube to the quick-connect end of the EZ Faucet Valve, and the other end to the side of the filter marked “IN”.

For a short video showing the operation of quick-connect fittings, go to http://pure-earth.blogspot.com/

START-UP PROCEDURE: Both the KDF/GAC (CF) and the Fluoride (F) cartridge contain media fines that need to be flushed. With the EZ faucet connect turned off remove the KDF/GAC cartridge (CF) and Carbon Block (CBR2-10) cartridges. Turn on the EZ and open the faucet for several minutes (until water runs clear). Be sure to check for leaks at all connections. Then, turn off the EZ valve and add the KDF/GAC cartridge, turn on the EZ and flush again. Now you can add the carbon block cartridge back and flush one final time. During the start-up, the faucet will “sputter” until the air is worked out. Initially, the water may appear cloudy - this is due to tiny air bubbles and will clear up shortly.

IMPORTANT OPERATING NOTES

1. After an extended period of inactivity, allow water to run through the filter for several minutes before drinking. Otherwise, the taste may be bitter due to excess zinc oxide (which prevents bacterial growth and is harmless to drink).
2. Recommended flow rate is one-half gallon per minute or less. Operating at higher flow rates will not necessarily damage the unit but will reduce the contaminant removal efficiency. The flow rate can be adjusted with ball valve on the EZ cold water connector valve.
3. Maximum water pressure is 100 PSI. Maximum operating temperature is 110° F. Protect from freezing.

HOW DO I KNOW WHEN TO REPLACE MY FILTER CARTRIDGES?

FLUORIDE REMOVAL CARTRIDGE: The fluoride removal cartridge has a capacity to remove up to 11,000 mg of fluoride before it needs replacement. At 10 mg/l fluoride, this would be approximately 1,100 liters (11,000 ÷ 10) or about 275 gallons of water. High bicarbonate levels can reduce the capacity: above 100ppm reduces capacity by 50%, above 200ppm reduces it by 75%. On typical city water (up to 2 ppm fluoride), annual replacement is recommended. Order item code F.

KDF/GAC CARTRIDGE: In virtually all cases, the taste and odor of chlorine will return to municipal water when the cartridge has lost its effectiveness. The enclosed test strips (3) can be used to confirm the presence of chlorine. Collect some filtered water into a cup. Dip the test strip into the water sample with a constant gentle back and forth motion for 10 seconds. Immediately note the color change: the pad on the end will turn blue with the presence of free chlorine, the pad nearest the handle will turn green with the presence of total chlorine (chloramines). IMPORTANT: Assess the color within 10 seconds after dipping the strip - the pads become unstable after that and will give a false reading. Additional test strips are available from PureEarth (3 for $1.00). While our cartridge has been tested to effectively remove chlorine from over 12,000 gallon of water, the type and concentration of other contaminants varies widely throughout the country. Therefore, to assure maximum effectiveness and the best possible water quality, it is suggested that the cartridge be replaced at least every three years. Reorder item code CF.

CARBON BLOCK CARTRIDGE: The recommended change out time on the carbon block filter is at the same time as it is determined that the KDF/GAC needs to be replaced (about every three years). Reorder item code CBR2-10.

NOTE: The filter housing wrench included with your filter will help in removing the housings.

PureEarth Technologies, Inc.
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WARRANTY POLICY
Housing: Five years full replacement. KDF/GAC and Ceramic cartridges: Three years prorated at $1.65 per month of usage. This warranty does not cover damage due to abuse, neglect, freezing, fire or other fortuitous event. No allowance is made for the consequent damage, labor or expense incurred as a result of a proven defect.

RETURN PROCEDURE - Units returned under warranty must be shipped POSTPAID to PureEarth at the address below. A photocopy of your sales receipt MUST be enclosed with the unit. A new unit will then be sent.

EZ Faucet Connector Valve

The EZ Faucet Connector Valve gives you a quick, easy and reliable water supply for your water filter. It provides full flow – great for homes with low water pressure. It’s easy to install:

1. Look under your sink where the cold side faucet stub meets the supply line. It may either be a threaded stub, as pictured above left, or a short copper line with a nut at the bottom as pictured above right. The O.D. of this threaded stub or nut should measure 13/16” – see below if it doesn’t.
2. Unscrew the supply line from the stub.
3. Thread the EZ adapter tee onto the stub – be sure rubber gasket is in place.
4. Install the supply line to the male end of the EZ Connector.
5. Insert stem the ball valve shut-off into the quick-connect port on the tee until it is fully bottomed.
6. Now insert your inlet-side ¼” blue tubing into the quick-connect port on the ball valve shut-off. The handle provides easy on-off, and controlled flow.

Note: In the rare event that your plumbing does not accommodate the EZ Faucet connector, we have an EZ Shut-off connector that fastens to the top of the cold-water shut-off valve (which has threads with an O.D. of 9/16”. Call us at 1.800.669.1376 if you would like this option.

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