

INSTALLATION AND OPERATION INSTRUCTIONS FOR

COUNTERTOP FILTRATION UNIT



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A. General Information

The Countertop Filtration Unit is designed to remove bad taste and odor from water. The unit includes an activated carbon cartridge which removes chemical contaminants (chlorine, pesticides, etc.), bad taste, and odor by absorption. This is a proven method for the removal of such contaminants from water.

This unit is designed to fit on any countertop. It is easily attached to the sink faucet to provide clean, filtered drinking water. The unit comes with a special diverter valve to replace the aerator currently on your faucet. When filtered water is desired (for drinking, cooking, etc.), simply turn on your faucet and pull the diverter valve's piston knob "out." This will "divert" your regular, unfiltered tap water through the filter unit. From the unit's spout you will then receive clean, filtered water.

B. Specifications

Property	Maximum	Minimum
Water Pressure	125 psi (8.5 bar)	25 psi (1.7 bar)
Water Temperature	100°F (38°C)	35°F (1.7°C)
pH	10	5.0
Turbidity	10 NTU	0 NTU
Bacterial Quality	N/A	Potable

WARNING: This filter must be protected from freezing. Failure to do so may result in cracking of the filter and water leakage.

Make certain that the installation complies with all state and local laws and regulations.

C. Components Description

Description	Part No.	Qty.
Countertop Unit	CT-10	1
Cartridge, Carbon GAC	YH66001	1
Diverter Valve Assembly	OT40001	1
Diverter Valve Adapter Kit, 15/16 inch	PKDVAD1	1
Diverter Valve Adapter Kit, 13/16 inch	PKDVAD2	1
Locking Plastic Tie Strip	TSN-8	1

D. Installation Instructions

D.1 Insert the filter cartridge

The filter cartridge is located inside the filter housing. For shipping purposes the filter cartridge is wrapped in plastic.

NOTE: Before operation, the filter cartridge must be removed from the plastic wrapping.

- 1.1 Unscrew the housing from the cap and remove the filter cartridge and any instruction sheets.

IMPORTANT: There is an o-ring seal in the groove at the base of the housing. When installing or replacing the cartridge, make sure the o-ring is properly seated in the groove. If the o-ring is out of the groove, remove the o-ring, wipe the groove and the o-ring with a cloth, then lubricate the o-ring with a very light coating of white FDA approved petroleum jelly (Vaseline, for example). Position the o-ring back in place and with two fingers push the o-ring down so that it seats flat in the groove.

NOTE: Improper lubrication and positioning of the o-ring could result in leakage.

- 1.2 Remove the filter cartridge from the plastic wrap.
- 1.3 Insert the filter cartridge into the housing making sure that the correct side is facing up.
- 1.4 Screw the housing into the cap and hand tighten only.

D.2 Install the diverter valve

- 2.1 Remove the diverter valve from the plastic bag. Check to see that the aerator is threaded up tight (turn clockwise).
- 2.2 Pull the piston knob to the "on" (out) position. The piston knob should return to its original position upon release.
- 2.3 Remove the aerator from your sink faucet and replace it with the diverter valve. Thread the diverter valve tight on the sink faucet. **Hand tighten only.** If the diverter valve does not fit the sink faucet, use the adapter fittings supplied with the unit.

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- 2.4 Check to make sure the tubing is securely connected to the hose barb. If not, push the tubing over the hose barb on the diverter valve. Secure the connection by tightening the tubing clamp around the tubing at the hose barb.
- 2.5 A plastic tie is provided to attach the tubing to your faucet stem if desired. This will help to prevent the tubing from hanging loose.

D.3 Start up

- 3.1 Turn on the tap.
- 3.2 Pull the diverter valve piston knob to the "on" (out) position.
- 3.3 Water will now flow through the filter unit. Let it run for approximately five minutes before using. This will flush out the loose carbon fines from the new cartridge.

E. Servicing

E.1 When to change the cartridge.

When the foul taste and odor return to your filtered water, it is time to replace the filter cartridge. However, the filter cartridge should be changed at least every 750 gallons of use (or approximately six months for a family of four) as standard practice.

NOTE: It is always a good idea to keep replacement cartridges on hand to ensure expeditious service.

E.2 How to change the cartridge

To replace the filter cartridge, unscrew the housing from the cap and discard the used cartridge. Insert the new cartridge making sure that the correct side is facing up. Make sure that the o-ring is in the proper place. The o-ring should be lubricated and seated in the groove of the housing. Screw the housing back into the cap. **Hand tighten only.**