

INSTALLATION AND OPERATION INSTRUCTIONS FOR

COUNTERTOP FILTRATION UNIT



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A. General Information

The Countertop Filtration Unit is designed to conveniently and economically provide fresh, filtered water directly from your own tap. This unit is made to fit on any countertop and easily attach to the sink faucet. It 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 to the “on” position. This will divert your regular, unfiltered tap water through the filter unit. From the unit’s spout you will then receive clean, filtered water. Its proven design allows you to effortlessly switch between filtered and unfiltered water at any time.

The unit houses a 10 inch disposable water filtration cartridge. Cartridges are available to filter chlorine, bad taste and odor, chemical contaminants, and more. Put an end to the constant refilling of slow, small water filter pitchers and/or stocking up on expensive bottled water. The Countertop Filtration Unit makes unlimited, instant, filtered water available from your own sink.

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 (Application Dependent)	—	1
Diverter Valve Assembly	MQ40001	1
Spout Assembly	MQ30004	1
Diverter Valve Adapter, 15/16 inch *	PKDVAD1	1
Diverter Valve Adapter, 13/16 inch *	PKDVAD2	1
Locking Plastic Tie Strip	TSN-8	1

* Available as an option.

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 base and remove the filter cartridge and any instruction sheets.

IMPORTANT: There is an o-ring seal in the groove at the mouth 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 push the o-ring down with two fingers 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. If the filter cartridge specifies a required flow direction, make sure that the correct side is facing up.
- 1.4 Screw the housing back onto the base. **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.

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- 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 an adapter fitting (available separately—see “C. Components Description”).
- 2.4 A plastic tie is provided to attach the tubing to your sink faucet stem if desired. This will help to prevent the tubing from hanging loose.

D.3 Start up

- 3.1 Position the Countertop Filtration Unit so that the flow from the unit’s spout is directed into your sink.
- 3.2 Turn on the tap.
- 3.3 Pull the diverter valve piston knob to the “on” (out) position.
- 3.4 Tap water will now be diverted to the Countertop Filtration Unit. Allow some time for the water to fill the housing before coming out of the spout. After the water starts to flow out from the spout, let it run for approximately five minutes before using. This will flush out the new cartridge and ensure that fresh, filtered water is available to you.
- 3.5 When the tap water is turned off, the diverter valve piston knob will automatically return to the “off” (in) position.

E. Servicing

E.1 When to change the cartridge.

When the foul taste and/or 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, first make sure the tap water is turned off. Holding the Countertop Filtration Unit upside-down over the sink, carefully unscrew the base from the housing. The housing will be full with water. Place the base to the side and empty the water and old cartridge from the housing. Allow the water to completely drain from the Countertop Filtration Unit and discard the used cartridge. Remove the new cartridge from its plastic wrap and insert the cartridge into the housing, making sure that the correct side is facing up if specified. Inspect the o-ring. The o-ring should be lubricated and properly seated in the groove of the housing. Screw the housing back onto the base. **Hand tighten only.** Follow “D.3 Start Up” procedure to return the unit to use.