INSTALLATION AND OPERATION INSTRUCTIONS FOR

COUNTERTOP FILTRATION UNIT

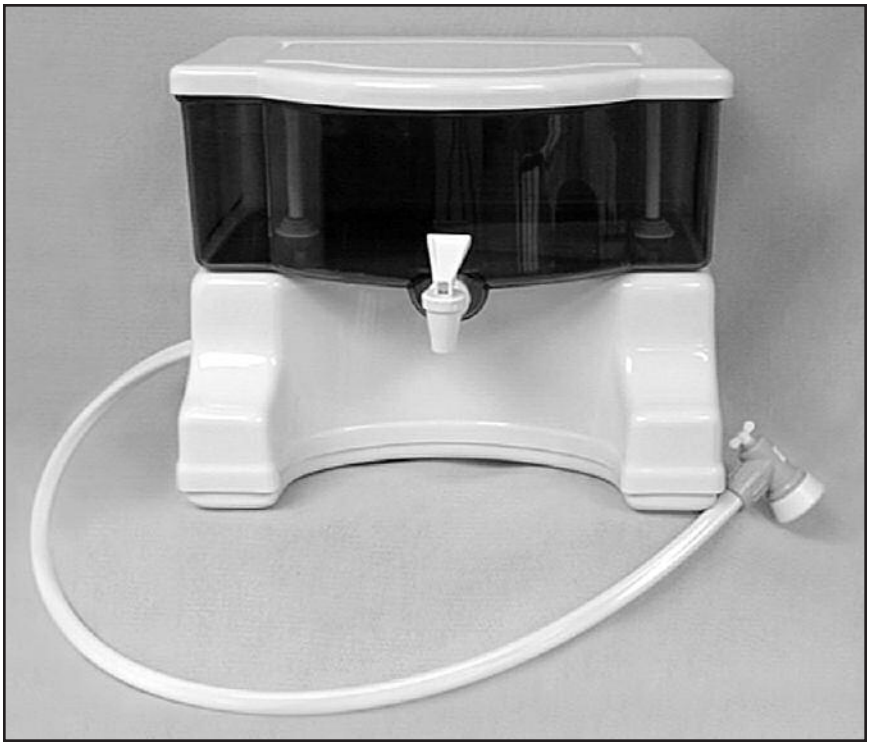

Table of Contents

A. General Information

With the proper care, this reverse osmosis countertop water treatment unit will produce high quality, great tasting, drinking water for many years. There are many benifits from reverse osmosis water. Not only will you enjoy high quality drinking water, but other rewarding benifits include better water for such uses as:

Cooking	Baby Formulas	Steam Irons
Juices	Weight Loss Diets	Car Batteries
Humidifiers	Aquariums	Household Plants
Ice Cubes	Pets	Windshield Washers
Coffee and Tea	Low Sodium Diets	

This instruction manual has been prepared to assist you in getting the maximum benifits from your reverse osmosis countertop water unit. Read it carefully.

B. Unpacking

Unpack the unit carefully, check for any damage. If damage is evident, return the unit to the dealer or contact the shipper.

C. Installation

Wipe the inside of the water reservoir and rinse with clean water.

Remove the existing aerator from the faucet and attach the new faucet aerator included with the RO unit. The faucet aerator included will fit most standard faucets. However, if your faucet will not fit the aerator supplied, consult your dealer. Most hardware or plumbing stores carry a complete line of faucet adaptor fittings. When tightening the fitting, use a pair of pliers and tighten carefully (wrap tape around the jaws to prevent marring the fitting).

Attach the faucet hose to the aerator by pulling down on the snap adapter—push onto the faucet aerator until it seats—release the plastic ring—the snap adaptor will snap into place.

It is important that the hose lay flat on the counter with no sharp bends or kinks. This will allow the overflow feature to function properly. The aerator should be at least 4 inches lower than the water level of the RO unit when it is full.

D. Start Up

Open the plastic ring valve several turns counterclockwise. Slowly turn on the cold water.

NOTE: DO NOT ALLOW HOT WATER TO ENTER THE UNIT. THIS WILL PERMANENTLY DAMAGE THE MEMBRANE.

Water will fill the unit and flow from the bottom outlet of the wing valve. Allow the water to flush the unit for approximately 10 minutes when initially used.

Slowly tighten the wing valve until the flow of water is reduced to a fast drip or a trickle. This water is called the “reject water” and is the water carrying away the impurities from the membrane. The amount of flow required is approximately 12 ounces per minute (1½ cup).

NOTE: DO NOT COMPLETELY SHUT OFF THE REJECT WATER. THIS WILL DAMAGE THE MEMBRANE.

The reservoir holds approximately two gallons. Discard the first two full reservoirs before using. This will ensure that any loose fliter material is flushed from the system prior to use.

E. Special Precautions

THE FOLLOWING WILL DAMAGE THE MEMBRANE & VOID WARRANTY:

1. **DO NOT CONNECT TO HOT WATER.**
2. **DO NOT ALLOW TO FREEZE.**
3. **DO NOT SHUT OFF THE REJECT FLOW (WING VALVE).**

F. Helpful Hints

Proper Reject Flow

It is important that the reject water flows from the wing valve at all times. This flow of reject water removes the unwanted contaminates from the membrane. Shutting off this flow allows the impurities to build up on the membrane and damage it. Check to make certain that this flow is approximately 1½ cups per minute. This will protect the membrane.

Proper Flushing

A good way to insure that the membrane is well preserved (and to consistently obtain high quality water) is to flush the unit before and after each use for approximately 1 to 2 minutes. Open the wing valve for a strong stream of water and then return the wing valve to the proper setting for the correct reject flow rate.

In areas that have high amounts of mineral salts, sediment, rust, and/or dirt, flush up to 5 minutes. This should also be done if the unit has not been used for several days or longer.

Cleaning the Reservoir

To clean the reservoir, use baking soda and a soft brush or cloth. To sanitize the reservoir, use ½ teaspoon of liquid bleach in a full reservoir and let stand for one hour. Rinse thoroughly.

Overflow

It is important that the hose lay flat on the counter for the overflow system to work properly. If the unit should not overflow into the overflow opening, force air into the overflow opening (the lower hole on the right hand side).

Changing Filters

Change the membrane and filters when the dissolved solids of the reservoir water exceeds 25% of the tap water, or when it tastes undesirable. A good rule to follow is to change the filters every six months and the membrane every eighteen months.

NOTE: IF YOUR UNIT IS EQUIPPED WITH A TFC MEMBRANE, IT IS IMPORTANT THAT THE CARBON PREFILTER BE CHANGED EVERY SIX MONTHS TO PREVENT DAMAGE TO THE TFC MEMBRANE FROM CHLORINE THAT MIGHT BE PRESENT.

Filters may be changed using simple hand tools and by following the instructions furnished with each filter. Filters should be ordered from your dealer.