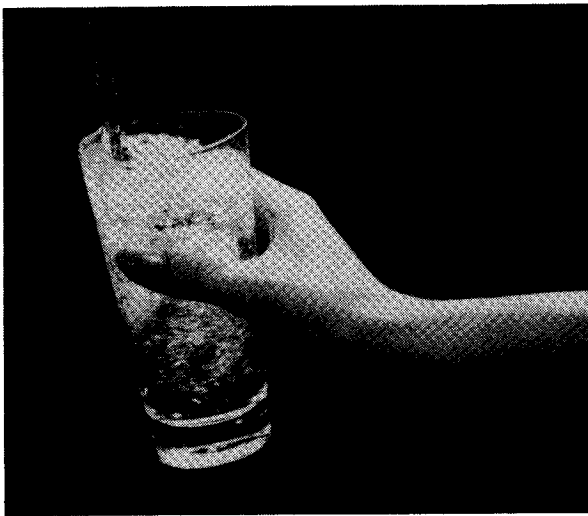

Culligan[®]



Aqua-Clear[®]

Model H-82 WT

**Drinking Water System
USE AND CARE GUIDE**

Culligan®

Aqua-Clear®

Model H-82 WT

Drinking Water System

Although city water works strive to do an excellent job of supplying all your water needs, the quality of all water supplies, including private supplies, can be improved for drinking water purposes. Culligan® Drinking Water Systems will provide you with an abundant supply of quality water at a fraction of the cost of bottled water.

Use your Culligan Drinking Water System whenever you need high quality water: for drinking; for giving coffee, tea, frozen fruit juices and other mixed beverages a fresher taste; for clearer ice cubes; and for bringing out the full flavor of cooked vegetables and instant foods. This system is NOT intended to make non-potable water safe to drink.

WHAT CAN YOUR NEW CULLIGAN DRINKING WATER SYSTEM DO TO IMPROVE THE WATER YOU DRINK?

The Culligan Drinking Water System is not like softening, simple filtration, or any of the typical methods of treating water. Reverse osmosis, the heart of the system, is a proven and established technology in which Culligan is a recognized leader. The system reduces undesirable impurities from municipal or private potable water supplies. Among these are tastes and odors, chlorine, sediment, asbestos particles, brackish water mineral salts, nitrates, sulfates and sodium; dissolved metals like arsenic, barium, cadmium and lead; and organic contaminants including detergents and some pesticides. Your Culligan Man can give you information on reduction of other impurities such as THMs by utilizing certain recommended accessory components. The system is NOT intended to make non-potable water safe to drink.

WHAT WATER TREATMENT PROCESSES DOES THE CULLIGAN DRINKING WATER SYSTEM INCORPORATE TO IMPROVE YOUR WATER QUALITY?

No method using a single component can be as effective as the three-way Culligan Drinking Water System. You enjoy the results of these separate, compact components:

1. **Fine Filtration**—Removes particles such as sediment and dirt. May not be required on some installations.
2. **Membrane Micro-Filtration and Reverse Osmosis Impurities Rejection**—Substantially reduces dissolved impurities and suspended particles.
3. **Activated Carbon Adsorption**—Controls tastes and odors, reduces small molecule organics that may have passed through the RO membrane.

The convenient, fingertouch faucet is all you see of the system. Components tuck out of sight whenever space permits.

THE CULLIGAN DRINKING WATER SYSTEM MAY PRODUCE MORE WATER ON A DAILY BASIS THAN YOU ARE CAPABLE OF DRINKING.

If extra water is available, why not use it? Good quality water is not just for drinking. Take a look at the following list to see if you are utilizing the treated water to its fullest extent.

Use it for:

- | | |
|----------------------|---------------------------|
| 1. Pets | 7. Filling batteries |
| 2. Plants | 8. Food preparation |
| 3. Glass cleaning | 9. Instant soups, cereals |
| 4. A mixer in drinks | 10. Aquariums |
| 5. Making ice cubes | 11. Coffee and tea |
| 6. Photography | 12. Fruit juices |

To be sure your system maintains its high quality level, have it tested periodically by your Culligan Dealer.

WHAT SHOULD BE DONE IF THE WATER QUALITY OR QUANTITY DECLINES?

If the system has not been serviced for 1-1/2 to 2 years all that may be needed is a replacement module or filter. If the quality changes quickly, or only a few months after installation, the water supply and the entire system should be checked. In either case, your Culligan Man should be contacted to perform this service. He is an experienced professional in the installation, functioning and repair of your Culligan product.

WHEN AND HOW TO SHUTDOWN YOUR DRINKING WATER SYSTEM

There are times when you may wish to shutdown or turn off your unit. You should turn it off:

1. If a water leak from the system is evident.
2. If you wish to inspect or replace the module or any of the filters in the unit.

SHUTOFF VALVE LOCATION

To shut the system down, first locate the cold water feed line. Attached somewhere along this water line you will find a valve. To cut off the supply of water to the unit turn the handle on the valve clockwise until it will no longer rotate.

NOTE: This has closed the water supply; however, the system is still under pressure. Lift the faucet lever to release pressure from the reservoir. Close the faucet lever when water has stopped flowing from the faucet. By the time you have completed this operation, pressure in the lines ahead of the reservoir tank will be relieved through the capillary tube.

MODULE REPLACEMENT

If it is determined that the module needs replacement contact your Culligan Dealer to schedule a service time. The serviceman will perform all necessary functions required to bring your unit back to its original operating capacity.

If you wish to change the module yourself, it is recommended that the prefilter elements and the capillary tube assembly be inspected at the same time. This will assure optimum performance of the entire unit.

Before proceeding any farther call your Culligan Dealer. Be sure he has readily available parts in stock, or place them on order.

Use the following procedure as a guide when replacing the module.

1. Refer to Fig. 1.
2. Turn off the inlet water supply.
3. Open the faucet and bleed the pressure.
4. Disconnect the four tubing fittings from the module housing. You may wish to mark these lines with tape to assure they are reconnected correctly later.

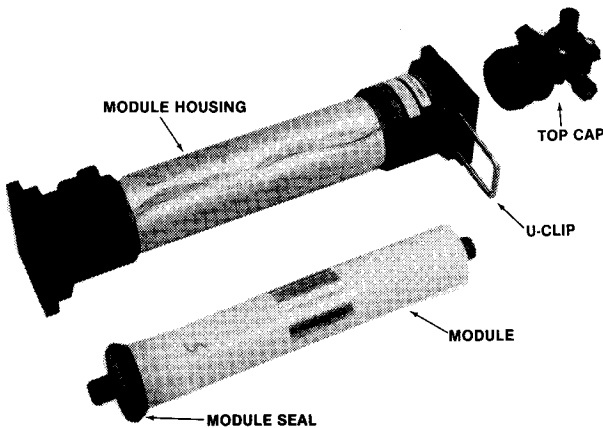


FIG 1

5. Remove the two screws holding the module housing to the mounting surface and remove the housing from the unit.
6. Remove the U-clip from the module housing by prying out with a screwdriver and then pulling the clip free.
7. Pull the top cap straight out of the housing with a twisting motion to help free its O-ring seal.
8. Remove the module from the housing, being careful to avoid damage which may prevent inspection and warranty credit.
9. Swab the inside of the module housing with a light coat of glycerine.
10. Reinstall the bottom plug into the bottom of the module housing.
11. Carefully insert the replacement module into the housing, module seal end first, reinstall the top cap and insert the U-clip.
12. Reattach the module housing to the mounting surface with the two screws.
13. Reconnect the four tubing fittings to the module housing. Make certain that the tubing connections are correct.
14. Turn on the inlet water supply.
15. Lift the faucet lever and allow the product water to flow to drain for one hour, after which time the lever may be returned to its off position.
16. Because product water is produced at a slow rate it may be three to four hours before an appreciable amount of water is available from the reservoir tank.

PREFILTER CARTRIDGE REPLACEMENT

Due to local water supply conditions, your Culligan Dealer may have installed an extra prefilter on your Drinking Water System. The extra prefilter may be one of two kinds; either a second carbon prefilter, or a Filtr-Gard[™] particulate prefilter. The characteristics of the water supply on which the Drinking Water System is installed will affect the life of the carbon prefilter cartridge. The cartridge should be replaced at least once a year OR when the chlorine content of the water from the carbon prefilter exceeds 0.1 ppm. The particulate prefilter (Filtr-Gard) precedes the RO module to reduce suspended matter that may clog the module, and should be replaced when it becomes sufficiently clogged to reduce flow rate, restrict production, or reduce quality. If the extra prefilter is labeled "Carbon Prefilter", follow the directions on page 9 for replacing the carbon filter cartridge. If the extra prefilter is labeled "Filtr-Gard", proceed as follows:

PARTICULATE PREFILTER CARTRIDGE REPLACEMENT

1. Turn off the water supply to the Drinking Water System.
2. Relieve the pressure in the filter housing by unscrewing the pressure relief knob on the prefilter head two (2) turns.

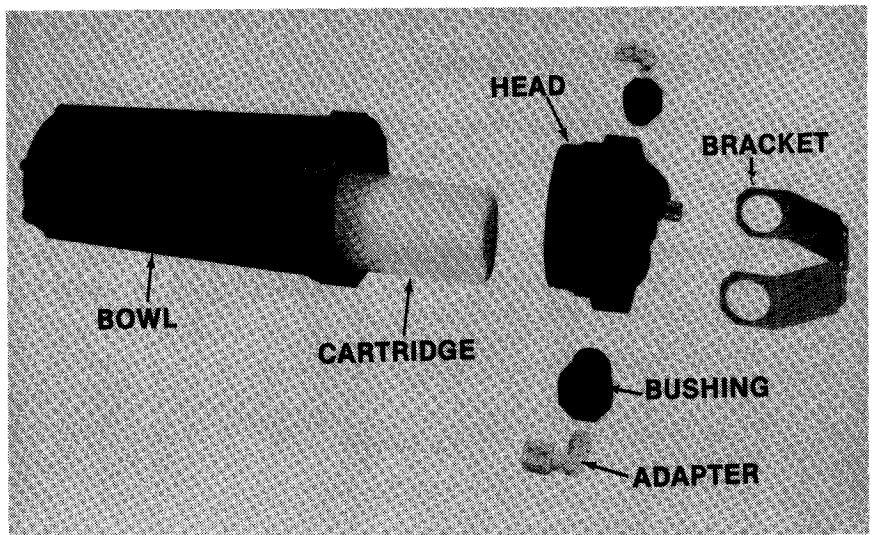


FIG. 2

3. Unscrew the filter bowl and remove the filter cartridge. Wrap the used cartridge in newspaper and discard it with trash.
4. Clean the filter bowl of dirt and sediment.
5. Lubricate the rubber seal ring of the filter head, and the sealing surface of the filter bowl, with a light coat of silicone grease.
6. Unwrap the replacement filter cartridge and place it into the filter bowl, being certain that it drops over the guide in the bottom of the bowl.
7. Reassemble the bowl to the filter head, positioning the filter cartridge so that it centers on the guide in the filter head, and tighten the bowl securely.
8. Slowly open the inlet water supply valve until water appears at the pressure relief valve, then close the pressure relief valve.
9. Check the filter for leaks.

CARBON PREFILTER CARTRIDGE REPLACEMENT

NOTE: *The replacement carbon cartridge MUST be properly flushed prior to installation. At the time of purchase, request this important procedure be performed at the Culligan Dealership.*

To replace the carbon prefilter cartridge proceed as follows:

1. Turn off the inlet water supply to the Drinking Water System.
2. Relieve the pressure in the filter housing by unscrewing the pressure relief knob on the prefilter head two (2) times.
3. Unscrew the filter bowl and remove the filter cartridge. Wrap the used cartridge in newspaper and discard it with trash.
4. Clean the filter bowl of dirt and sediment.
5. Lubricate the rubber seal ring of the filter head, and the sealing surface of the filter bowl, with a light coat of silicone grease.
6. Install the new carbon cartridge, with the arrow pointing up, into the filter head.
7. Reassemble the bowl to the filter head and tighten securely.
8. Slowly open the Inlet water supply valve until water appears at the pressure relief valve, then close the pressure relief valve.
9. Check the filter for leaks.

CARBON POSTFILTER REPLACEMENT

The carbon postfilter contains activated carbon which removes tastes and odors that may be present in the feed water which have not been removed by the reverse osmosis module. The carbon postfilter is designed to last the life of the module although, like the prefilter, it may need to be replaced more often if water conditions demand it.

To replace the carbon postfilter proceed as follows:

1. Refer to Fig. 3.
2. Turn off the inlet water supply, close the needle valve on the reservoir tank, and open the dispensing faucet to relieve pressure.
3. Release the filter from its supporting fixture.
4. Unscrew the plastic compression nuts at both ends of the filter, remove the filter and unscrew the two plastic adapters.
5. Wrap the used filter in newspaper and discard with trash.
6. Screw the plastic adapters into the ends of the replacement filter, observing the direction of flow arrow on the filter body.
7. Re-attach the tubing to the inlet and outlet fittings and tighten the compression nuts.
8. Turn on the inlet water supply, open the needle valve on the reservoir tank and check for leaks.
9. Open the dispensing faucet and allow about one quart of water to flow to the sink drain to flush carbon dust out of the postfilter.



FIG. 3

**SHOULD YOU NOTICE ANY NEW
PROBLEMS WITH YOUR WATER,
CULLIGAN HAS THE CAPABILITIES TO SOLVE THEM**

Today we have the technology to control or reduce all of the impurities listed as undesirable by the U.S. Public Health Service in its Drinking Water Standards. Culligan products and systems reduce both natural and man-made water pollutants, to provide the best water for each specific use and application.

Your new Culligan Drinking Water System can handle a wide range of water problems, but it does have limitations. It has been specified on the basis of your water conditions at the time of sale. It is possible for the chemical makeup of your water to change in time, and such changes cannot be predicted. Your needs and uses may also change. Your Culligan Man is ready to help you if any problem should arise.

**WITH CULLIGAN,
YOU GET MORE THAN A
QUALITY PRODUCT**

**YOU GET LOCAL CULLIGAN CARE AND SERVICE
FROM OUR INDEPENDENT DEALER ORGANIZATION**

Our reputation - that of the Culligan Man and the Culligan Gal - is based on prompt, courteous, efficient attention to your needs. Selling and servicing water treatment equipment is our full-time business, and satisfied customers are our greatest assets.

**AND YOU GET THE SECURITY OF DEALING
WITH AN ORGANIZATION
THAT'S KNOWN IN OVER 90 COUNTRIES**

Culligan sells and services more water conditioners than does any other brand in the world. This position of leadership is not awarded, it is earned. It means that a Culligan product will never be an "orphan". It means that we will always strive to deserve your confidence.

THE FUTURE CALLS FOR

Culligan.

