

Club

WATERSYSTEMS

O W N E R ' S M A N U A L



This system has been tested and certified by WQA against NSF/ANSI Standard 42 for the reduction of Particulates-Class 1, Chlorine Taste and Odor reduction, NSF/ANSI Standard 53 for the reduction of Cyst, Lead, TIHMs and VOCs, and NSF/ANSI Standard 372 for low lead compliance.



System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Particulates. Class 1, Chlorine Taste and Odor reduction, and Standard 53 for the reduction of Cyst, Lead, TIHMs and VOCs.

CLUB WATERSYSTEMS FILTRATION

Above Counter Model: K6842A

Below Counter Model: K6843B

Congratulations!

You have made a wise investment in good living. By using water from this system for drinking and cooking, you will taste the true flavor of coffee, tea, and juices.

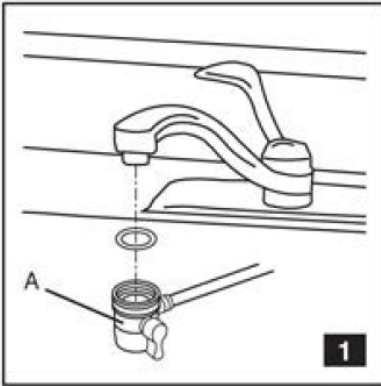
NOTE: Before you begin unpacking or installing, please take a few minutes to read this booklet completely.

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ABOVE COUNTER SYSTEM

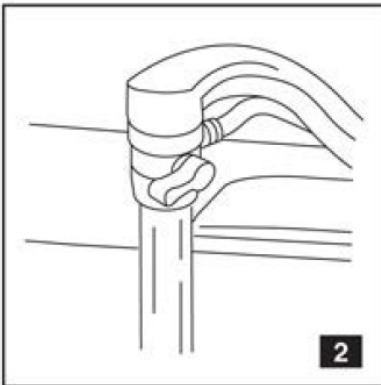
Installation and Start Up Procedure



1. Screw the diverter valve (A) onto the end of your sink faucet and tighten by hand (Fig. 1). The diverter valve was designed for a loose fit. Finger tighten only, do not use a wrench to install the diverter valve.

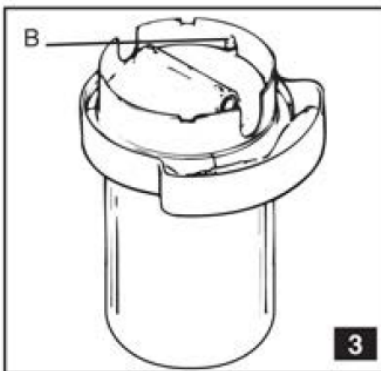
NOTE: If the diverter valve does not fit on your faucet, use one of the supplied adapters or see your local plumbing distributor or supply store for a suitable adapter

2. Turn on the COLD water supply and turn the lever up on the diverter valve assembly to start the flow of the water into the system (Fig. 2).



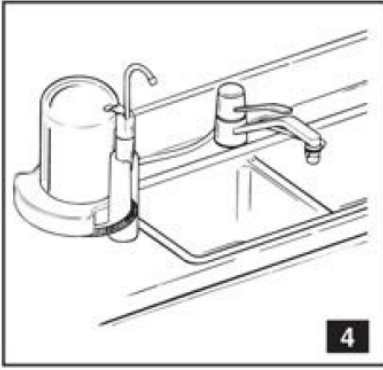
3. Turn the unit upside down and place in the sink on a padded surface, such as a towel. Press and hold the vent valve (B) to release trapped air. Release the vent valve when a steady stream of water starts to flow out of the valve (no air bubbles). It is recommended that you have a cloth handy to wipe up any water that splashes out of the vent valve (Fig. 3).

NOTE: Air will not pass through the filler cartridge. All air trapped in the system must be released through the vent valve.

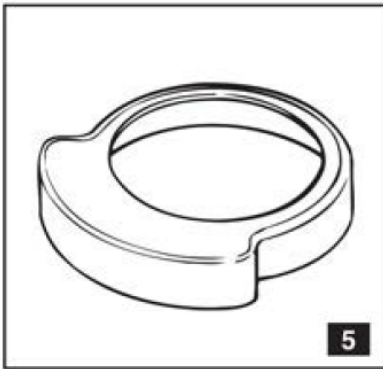


4. Press the system faucet lever and allow water to pass through the system and faucet assembly for a minimum of 10 minutes. Allow a few minutes for water to flow continuously out of the system as it passes through the filter cartridge before timing 10 minutes of water flow.

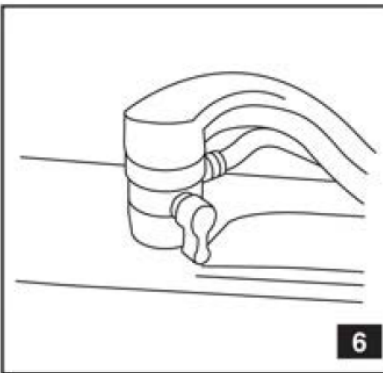
5. Examine all connections for leaks while the water is flowing. Carefully tighten or secure any fittings where leaks occur. If leaks continue, see instructions in the Troubleshooting section on pages 12 and 13.



6. Place the system into the faucet holder. Place hoses in the appropriate slots on the faucet holder. Position the faucet holder on the left or right side of the system as desired (Fig. 4).



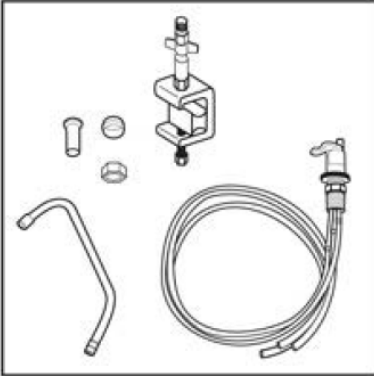
7. Slide the clamp cover over the stainless steel housing and snap into place on the clamp (Fig. 5).



8. To shut off the filler, close the faucet first, then turn the diverter lever downward. A small amount of residual water may continue to flow from the diverter valve for a short period of time until the water pressure is released from the system. (Fig. 6).

BELOW COUNTER SYSTEM

Below counter Installation

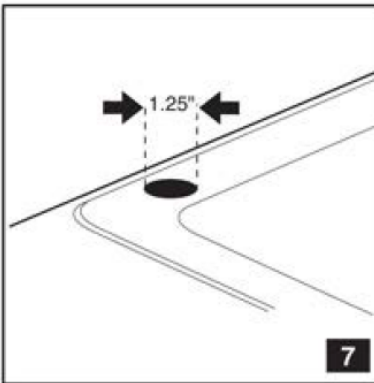


Tools needed for installation:

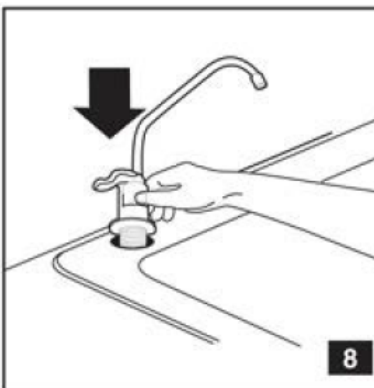
You will need a razor knife, drill, 1 1/4" (31.8 mm) or 1/2" (13 mm) drill, slip-joint pliers, 7/8" or 9/16" open end wrench, adjustable wrench, and the Saddle Valve and Faucet Assembly.

CAUTION: Follow instructions exactly for connecting the hoses. Reversing the hose connections will destroy the filler cartridge.

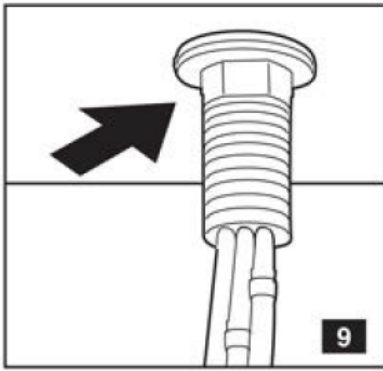
NOTE: Step 1 is required only if there is no existing hole in the sink. It is recommended that only a professional drill a hole in a porcelain sink.



1. Position the faucet on the sink ledge or counter top where it will not be obstructed above or below the sink and mark the location. Drill a 1.25" (31.8 mm) diameter hole in the marked location (Fig. 7).

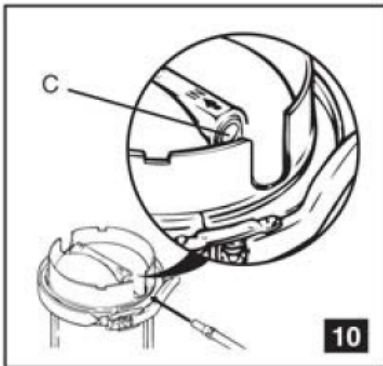


2. Unscrew the brass nut from the threaded end of the faucet body, slide down the tubing, and remove the slotted washer. Feed all three tubes through the 1.25" (31.8 mm) hole and place the threaded end of the faucet body into the hole (Fig. 8).



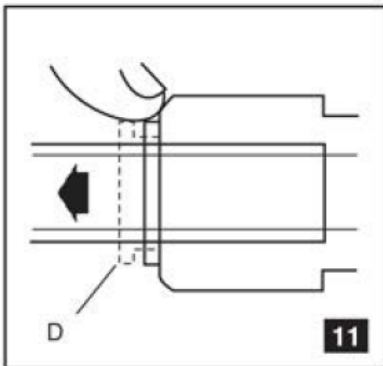
3. Replace the slotted metal washer below the counter, feed all three tubes through the brass nut, slide up the tubing, and screw onto the threaded end of the faucet body (Fig. 9).

NOTE: You need two wrenches to tighten the faucet. Wrap a cloth around the faucet to prevent scratches.

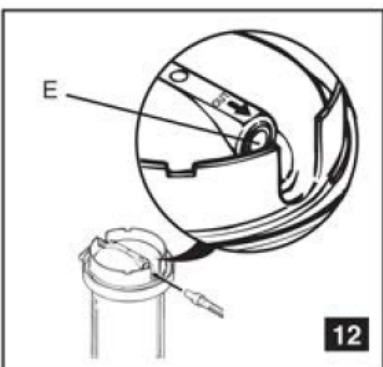


4. Insert the end of the BLUE tube into the inlet port of the base (with an arrow pointing into the unit). Simply push the tube into the inlet port (C, Fig. 10).

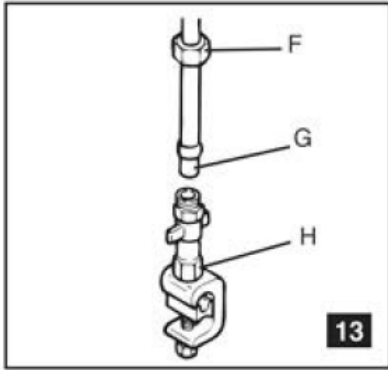
NOTE: To remove the tube, push in the collar (O) and pull out the tube (Fig. 11).



5. Insert the WHITE tube into the outlet port (with an arrow pointing out of the unit) (E, Fig. 12).

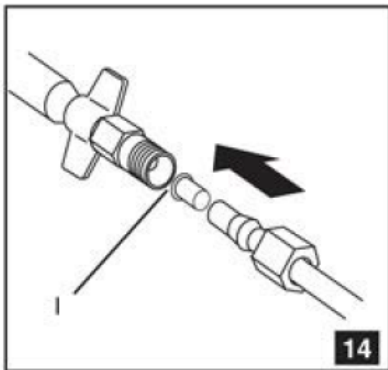


To Connect to the Water Supply



In the Commonwealth of Massachusetts, plumbing code 248 CMR shall be adhered to. Use of saddle valves is not permitted. Please consult with a licensed plumber for below counter installations.

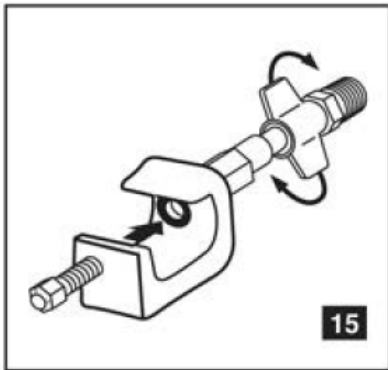
1. Remove the compression hex nut (F) with ferrule (G) from the saddle valve (H, Fig. 13).
2. Place the compression hex nut with ferrule about 1" (25 mm) up from the free end of the RED inlet tube. (Fig. 18).



3. Install the brass tube insert (1) into the end of the red tubing. Insert the tubing into the threaded end of the saddle valve and tighten the compression nut completely (Fig. 14).

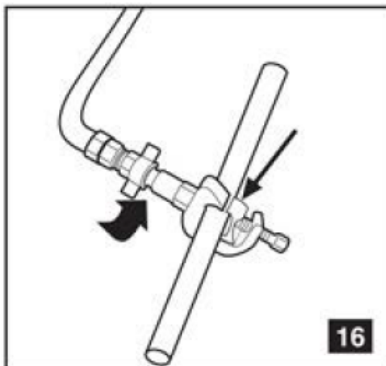
NOTE: You need two wrenches to tighten the compression nut. Hold the saddle valve from turning with one wrench while tightening the compression nut.

IMPORTANT: Turn off the water supply!



NOTE: The saddle valve supplied is designed for installation on 3/8 to 5/8" (9.5 to 16 mm) diameter soft copper pipes. If your cold water line is different, see your local plumbing distributor or plumbing supply store for assistance.

4. Back off, or unscrew, the wing nut to ensure that the piercing needle of the saddle valve is retracted (Fig. 15).
5. Attach the clamping screw and the saddle valve to your copper cold water supply pipe. (Do not over tighten clamping screw as it may crimp the copper pipe thereby restricting the flow of water). Use the smaller end for the 3/8" (9.5 mm) copper pipe and the larger end for the 7/16 to 5/8" (11 to 16 mm) diameter pipe (Fig. 16).

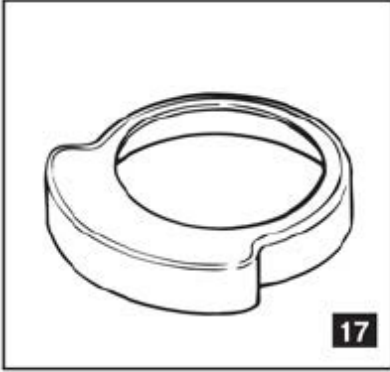


6. Turn clockwise and advance the wing nut to pierce the copper pipe using a pliers, if needed.
7. Turn the wing nut counter clockwise until the needle valve is fully retracted.

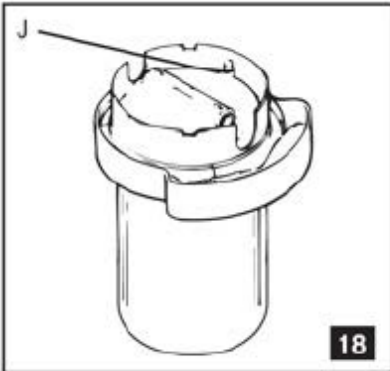
NOTE: The piercing needle must be retracted for water to flow through the system.

8. Slide the clamp cover over the stainless steel housing and snap into place at the base (Fig. 22).

Star Up Procedure

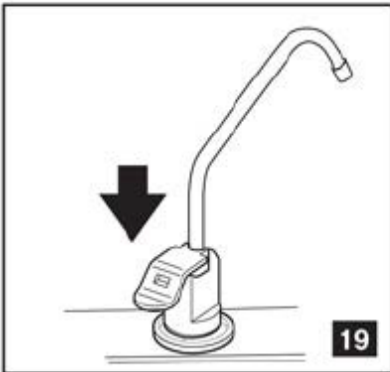


1. Set the unit upside down on a cloth inside a dish pan or other large container.
2. After checking to be sure that the piercing needle of the saddle valve is fully retracted, turn on the COLD water supply.
3. Press and hold the vent valve (J) to release trapped air. Release the vent valve when a steady stream of water starts to flow out of the valve (no air bubbles). It is recommended that you have a cloth handy to wipe up any water that splashes out of the vent valve (Fig. 18).



NOTE: Air will not pass through the filler cartridge. All air trapped in the system must be released through the vent valve.

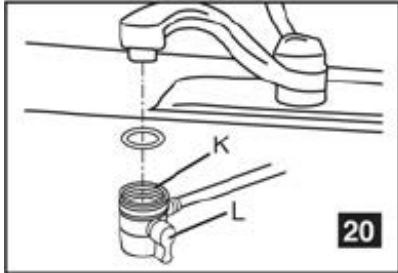
4. Press the system faucet lever and allow water to pass through the system and faucet assembly for a minimum of 10 minutes. Allow a few minutes for water to flow continuously out of the system as it passes through the filter cartridge before timing 10 minutes of water flow.
5. Examine all connections for leaks while the water is flowing and with the water turned off. Carefully tighten or secure any fittings where leaks occur. If leaks continue, see instructions in the Troubleshooting section on pages 12 and 13.
6. To obtain filtered water for cooking and drinking, press the system faucet lever (Fig. 19).



NOTE: It is normal for vented faucets to drip a few drops of water after the faucet lever is released as the system is venting.

MAINTENANCE

Only minimal maintenance is required to keep your system working effectively. Regularly clean the exterior stainless steel surfaces with a soft sponge and warm, soapy water. Use a mild, non-abrasive liquid dish washing detergent.

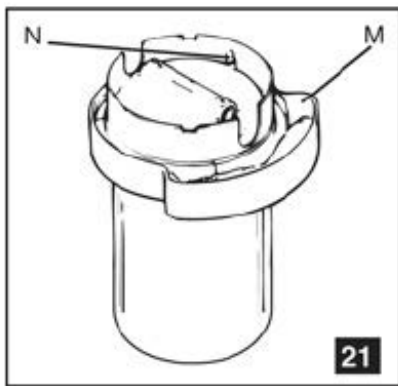


Monthly cleaning of the diverter valve (K) is necessary to maintain proper valve function. To clean, remove diverter valve from faucet. Soak valve in a solution of 1 cup water and 1/4 vinegar for 1 hour. During the soaking cycle, activate diverter lever (L) every 15 minutes (Fig. 20).

To ensure that the system is performing effectively, the filler cartridge must be changed every 1,000 gallons (3,785 liters) or one year, dependent on conditions of use, whichever comes first.

Filter Cartridge Replacement

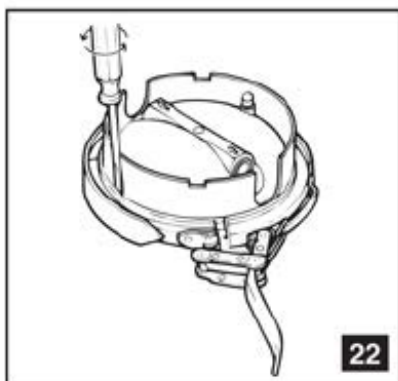
Please read the following instructions completely before installing or replacing your cartridge.



CARTRIDGE REMOVAL

1. Disconnect the system from the water supply.
ABOVE COUNTER - Remove the diverter valve assembly from the sink faucet.
BELOW COUNTER - Turn off the cold water supply to the sink.
2. Invert the system so that the plastic base and the plumbing connections are facing up and the top of the stainless steel housing is resting upside down on a clean padded surface, such as a towel.
3. Slide the plastic clamp cover (M) off of the metal housing (Fig. 21).
4. Press the vent valve (N) on the bottom of the plastic base to release any water pressure in the unit.

NOTE: Do not proceed to Step 5 until the water pressure has been released from the system (Fig. 21).



5. Open the clamp and release the safety catch. If the clamp sticks, simply place a screwdriver between the clamp and the plastic base and very gently twist to pry apart (Fig. 22). Remove the clamp from the system, being careful not to scratch the stainless steel housing.

DISINFECTION PROCEDURE

6. With the entire system placed in your sink, carefully remove the stainless steel housing from the plastic base.
7. If replacing the filter cartridge, remove the old cartridge from the base. Place in a plastic bag and throw away.
8. Scrub the inside of the stainless steel housing and the plastic base with warm, soapy water and rinse thoroughly.
9. Fill the stainless steel housing half way with tap water.
10. Pour 1 to 2 ounces of liquid household bleach into the water that is in the stainless steel housing.
11. Re-attach the base to the housing and re-lasten the clamp to assemble.

DO NOT INSTALL FILTER CARTRIDGE AT THIS POINT

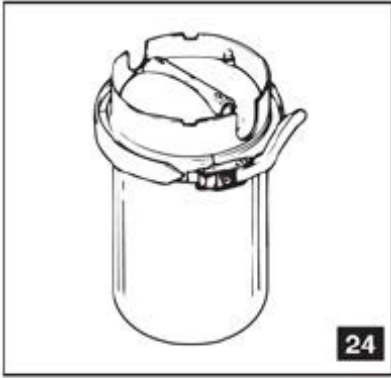
12. Connect the system to the water supply.
ABOVE COUNTER - Attach the diverter valve assembly to the sink faucet.
BELOW COUNTER - Turn on the cold water supply.
13. Run cold tap water into the assembled system just until water begins to flow out of the system faucet.
14. Turn off the water and allow the disinfecting bleach solution to stand in the system for 20 to 30 min.
15. Turn on the water and run tap water through the system for a minimum of 5 minutes, or until the odor of bleach is no longer present in the water flowing from the system faucet.
16. Repeat steps 1, 2, and 5.



CARTRIDGE INSTALLATION

17. Remove the plastic base from the stainless steel housing.
18. Place the base on a clean flat surface with the socket of the base (to hold the filler cartridge), facing upward.
19. After removing the protective plastic bag from the new filter cartridge, wet the o-rings on the filter nipple with tap water to lubricate.
20. Holding the filler cartridge upright, insert the filler cartridge nipple into the socket in the base by pressing straight down on the bottom end cap of the filter cartridge (Fig. 23).

CAUTION: DO NOT wiggle, rock, or rotate the filler cartridge to insert it, simply press down. Make sure that the o-rings have not rolled out of their grooves during insertion of the new cartridge nipple.



21. Guide the base and the filter cartridge into the stainless steel housing.
22. Replace the clamp, positioning the latch directly under the inlet portal (with an arrow pointing into the system). Check to be sure that the clamp snaps tightly into place (Fig. 24).

SYSTEM INSTALLATION

In the Commonwealth of Massachusetts, plumbing code 248CMR shall be adhered to. Use of saddle valves is not permitted. Please consult with a licensed plumber for below counter installations.

23. Connect the system to the water supply.
ABOVE COUNTER - Reinstall the diverter valve assembly onto your sink faucet, turn on the cold water valve at the sink, and turn the lever up on the diverter valve to start the flow of the water into the system.
BELOW COUNTER - Turn on the cold water supply and open the water faucet to flow water into the system.
24. Tilt the system so that the vent valve is elevated. Depress the vent valve to release trapped air.

NOTE: *Air will not pass through the filter cartridge. All air trapped in the system must be released through the vent valve.*
25. Release the vent valve when a steady stream of water begins to flow out of the valve (no air bubbles). It is recommended that you have a cloth handy to wipe up any water that splashes out of the vent valve.
26. Allow water to pass through the system and the faucet assembly for a minimum of 10 minutes. Allow a few minutes for water to flow continuously out of the system as it passes through the filter cartridge before timing 10 minutes of water flow.
27. Examine all connections for leaks with the water flowing and with the water turned off.
28. Carefully tighten or secure any fittings where leaks occur. If leaks continue, see instructions in the Troubleshooting section on pages 12 and 13.
29. Resume normal use.
30. Record the date of the filter cartridge installation and mark your calendar to repeat this procedure on, or before, the recommended service period.

TROUBLESHOOTING

- PROBLEM:** The flow rate decreases even when the water valve is fully opened.
- CAUSE:** The filter cartridge should provide 1,000 gallons (3,785 liters) of filtered water, enough to supply a family of four with drinking and cooking water for a year. However, filter cartridge replacement depends on the amount of water consumed in your household and on the quality of your water supply. When the filter cartridge is nearing the end of its life expectancy, you may notice a drop in the flow rate even with the water valve fully open.
- SOLUTION:** Usually the slow flow rate will indicate that it is time to replace the cartridge.
- CAUSE:** Naturally occurring carbon dioxide or air leaking into the water supply. (In rare cases, the gas is naturally occurring hydrogen sulfide, indicated by a rotten egg odor.)
- SOLUTION:** Gas or air bubbles will not pass through the filter cartridge. Bleed the gas or air from the system by depressing the vent screw located on the underside of the base. Have a towel handy to absorb any water that might splash out of this vent screw opening. When the flow rate is restored, you will need to periodically bleed the gas or air from the system to maintain the proper flow rate.
- CAUSE:** High level of dirt or other particulates in the water supply.
- SOLUTION:** Fill a clear glass with unfiltered water and allow to stand. If after 10 minutes the water remains cloudy, there is a high level of dirt in the water. This may be a permanent condition or a temporary problem caused by heavy rains, repairs to water mainlines, or the cleaning of municipal water mains, etc. You may have to replace the filter cartridge.
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- PROBLEM:** Cold water does not flow out of the filtration system.
- CAUSE:** There is an air bubble build-up in the system housing.
- SOLUTION:** Air will not pass through the filter cartridge. Bleed the trapped air from the system by depressing the vent valve on the base of the system (see step 3 on page 3 or step 3 on page 8 of the Start Up (Instructions)).
- CAUSE:** The saddle valve piercing needle has not pierced the cold water line or the wing nut has not been fully backed off to retract the piercing needle and open the saddle valve.
- SOLUTION:** Ensure that the copper pipe has been pierced and that the wing nut is backed off completely to retract the piercing needle and open the saddle valve (see steps 6 and 7 on page 7, To Connect to the Water Supply).

PROBLEM: Water leaks from the fittings.
CAUSE: Loose connections at the fittings.
SOLUTION: Fully insert tubing into the fittings where leaks occur. If leaks persist, disassemble the system and make sure that all of the o-rings and seals are in place.

PROBLEM: Bad smelling water (rotten egg odor).
CAUSE: Bacteria build-up inside the filler or hydrogen sulfide in the water supply.
SOLUTION: Disinfect the complete system and change the cartridge (see Filler Cartridge Replacement, pages 9-11).

PROBLEM: Filtered water has a "milky white" or cloudy appearance.
CAUSE: Use of hot water in the system.
SOLUTION: Stop using hot water immediately and Flush the system with several gallons of cold water.

CAUSE: The system is passing air.
SOLUTION: 1. Vent the system as indicated to release trapped air (see step 3 on page 3 or step 3 on page 8, Start Up instructions).
If problem still persists:
2. Check to make sure that the cartridge is properly sealed in the manifold base. Make sure that either of the two o-rings have not rolled out of their grooved positions.

CLUB WATERSYSTEMS LIMITED WARRANTY

CLUB WATERSYSTEMS warrants that the stainless steel canister and base clamp will be free from defects in materials and workmanship for the lifetime of the product and that the plastic base, clamp cover, and manifold will be free from defects in materials and workmanship for five years. Further, that all other parts of the system (excluding the filter cartridge) furnished by CLUB WATERSYSTEMS will be free from defects in materials and workmanship for one year from the date of purchase. This warranty is valid provided that the system is used and cared for in accordance with the Club WaterSystems owner's manual and only CLUB WATERSYSTEMS authorized replacement cartridges are used.

This warranty is extended to the original purchaser only. In order to be entitled to warranty service, complete and return the owner's registration card immediately at the time of purchase. Also, by completing and mailing in the owner's registration card, you will be reminded when it is time to replace the filter cartridge.

The Club WaterSystems filler cartridge is designed to be a highly effective filter. The carbon block filter should be replaced at least once a year. If you live in an area where the quality of the water is very turbid, you may notice a gradual reduction of the water flow coming from the system's spout. Under these conditions, when the flow becomes undesirable, you may need to replace the filler cartridge more frequently than once a year.

For service under this warranty, please contact the water filter distributor who sold you the product. You will be instructed how to resolve the problem. If a part or the entire system is to be returned to the distributor, sufficiently pack it, include postage and insurance prepaid, and a note with a brief description of the product defect, the date that you purchased the product, and the serial number found on the bottom of the product.

Any parts, which upon examination by CLUB WATERSYSTEMS, are found to be defective will be repaired or replaced free of charge during the warranty period. This warranty does not apply to damage resulting from accident, modification, tampering, misuse or premature clogging, nor does it cover damage resulting from service by persons other than CLUB WATERSYSTEMS authorized service personnel.

CLUB WATERSYSTEMS' LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCTOR COMPONENT AT CLUB WATERSYSTEMS' SOLE OPTION. CLUB WATERSYSTEMS SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER DIRECT OR INDIRECT, OF ANY KIND RESULTING FROM A DEFECT IN OR MALFUNCTION OF THIS WATER FILTERSYSTEM. THIS WARRANTY IS EXPRESSLY GRANTED IN LIEU OF ALL OTHER WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.