

Installation Instructions/Use and Care Guide

Hot Water Dispenser

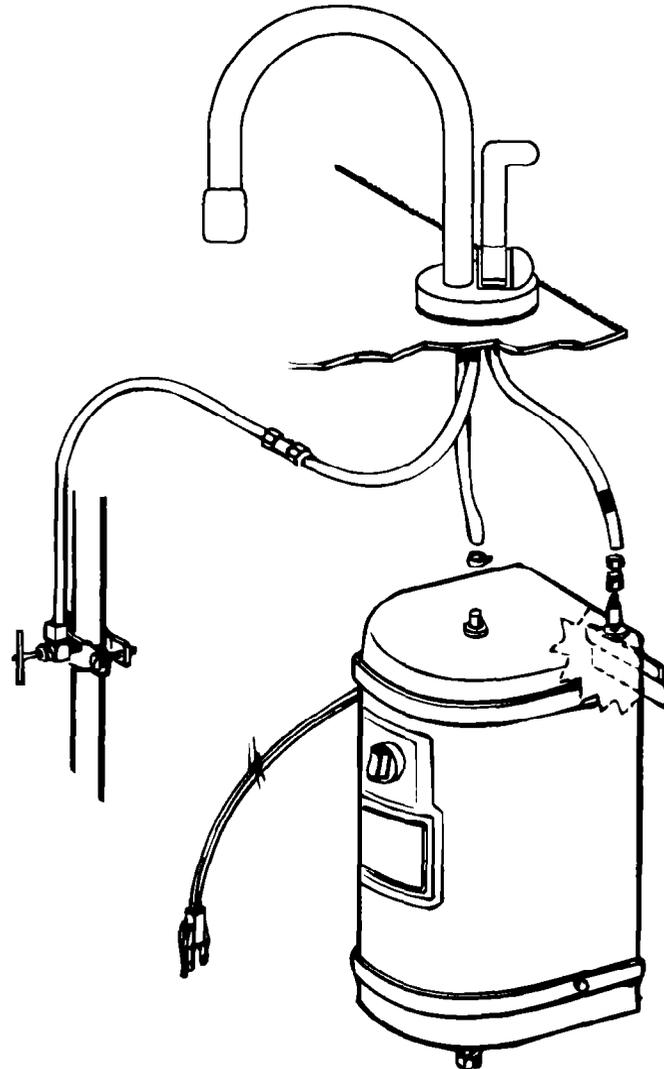
**Important:
Read and save
these instructions.**

IMPORTANT:

Installer: Leave Installation Instructions with homeowner.

Homeowner: Keep Installation Instructions for future reference.

Save Installation Instructions for local electrical inspector's use.



Before you start...

Check location where hot water dispenser will be installed. Proper installation is your responsibility. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with installation specifications provided and with state and local plumbing codes.

Faucet mounting: requires a 1-1/16" to 1-3/8" diameter opening in sink or countertop for mounting hot water dispenser faucet. Faucet can be installed in place of sink sprayer. For other installations, contact a qualified installer for best procedure to drill a hole through your type of sink or countertop. Thickness of sink or countertop hole must not exceed 3/4".

Dimensions shown must be used.

Proper cold water supply connection must be available. (See "Water supply requirements," Panel B.)

Use saddle tapping valve supplied. Saddle tapping valve is designed for use with 3/8" to 1-3/8" outer dimension (O.D.), soft copper tubing (plain or chrome plated) or rigid metal pipe. Do Not use the saddle valve with flexible ribbed tubing. (See "Water supply requirements," Panels B.) Flexible ribbed tubing requires special connecting hardware available from your local plumbing supply.

Grounded electrical outlet is required. (See "Electrical requirements," Panel B.) Outlet should be located for easy connection to hot water dispenser. The outlet should be within 30" of hot water dispenser tank.

! WARNING

Electrical Shock Hazard
Special care must be taken when drilling holes into walls or water pipes. Electrical wires may be concealed behind the wall covering or water may remain in pipes. Failure to follow this instruction could result in personal injury or death.

Personal Injury Hazard
Install faucet with lever to the side or behind spout. Failure to do so may result in hot water scalding hand when operating lever.

NOTE:

This hot water dispenser is Not a water purifier. Some installations may require a filter (such as charcoal) for increased satisfaction.

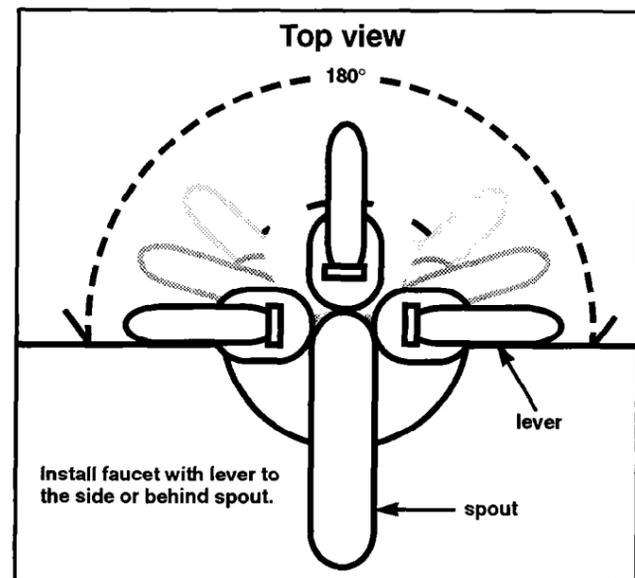
! CAUTION

Property/Product Damage

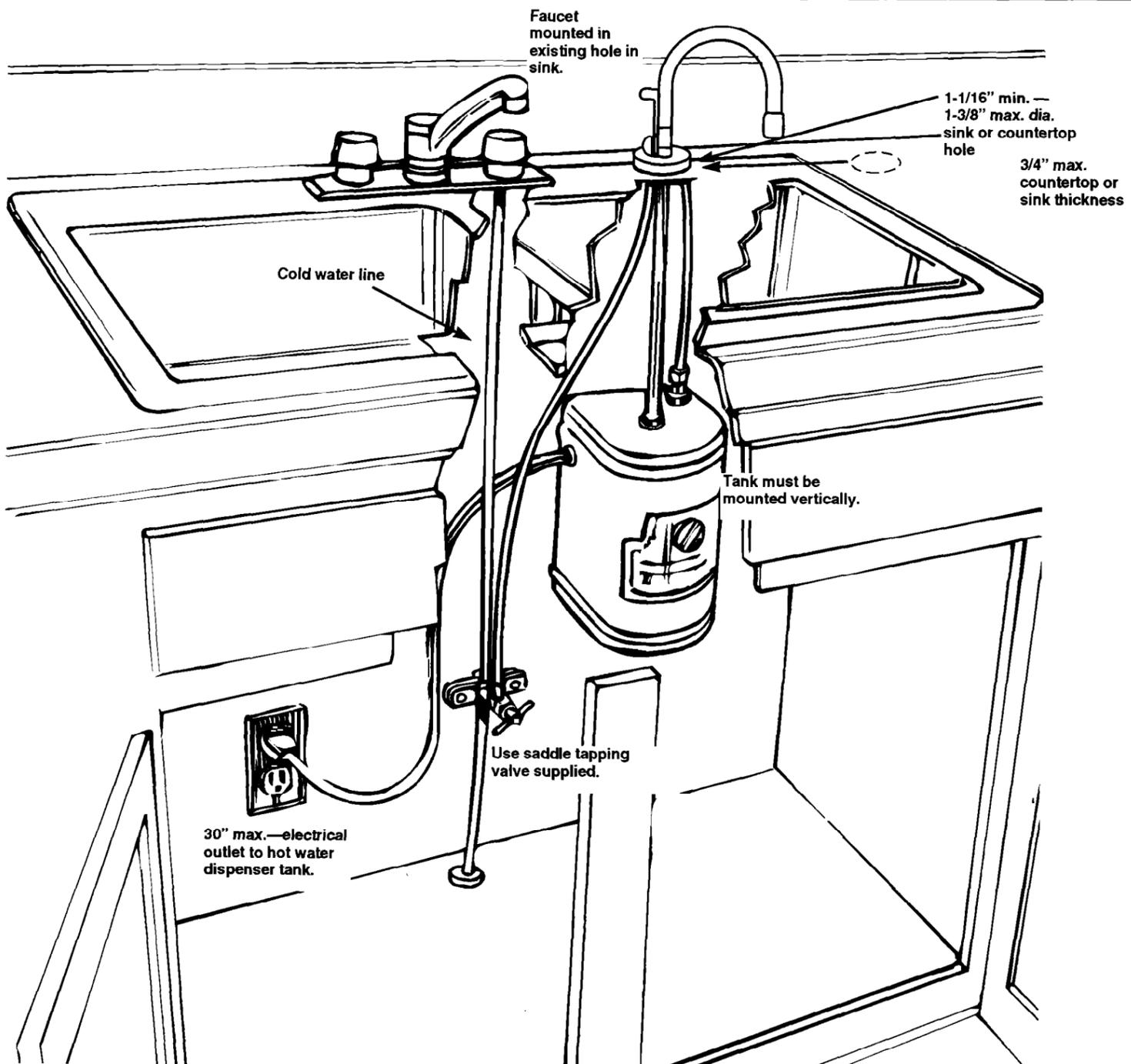
- Contact a qualified installer or licensed plumber for the best procedure for cutting a faucet opening in your type of sink or countertop.
- Plumbing connections must comply with all sanitary, safety and plumbing codes.
- Do Not store or operate hot water dispenser below 32°F.
- Do Not use pipe sealing compounds. They may get inside dispenser and cause an unpleasant taste or smell.
- Dispenser must be filled with water and thermostat turned to "OFF" position before connecting to electrical power supply.

Failure to follow these instructions may result in water damage to property or permanent product damage not covered by the warranty.

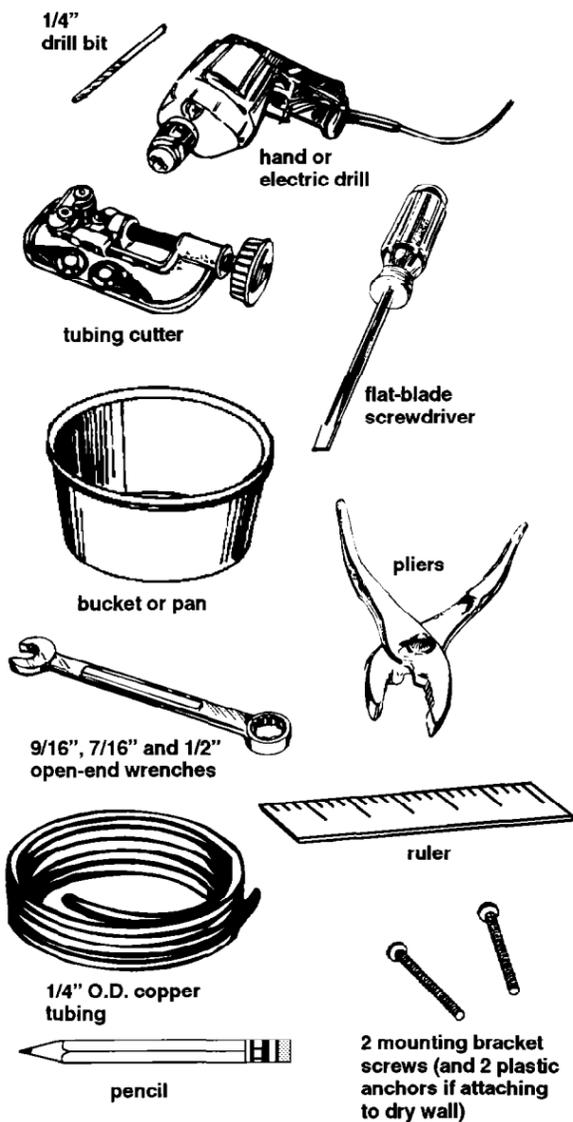
Water connections use compression fittings which do Not require sealing compounds to keep them from leaking.



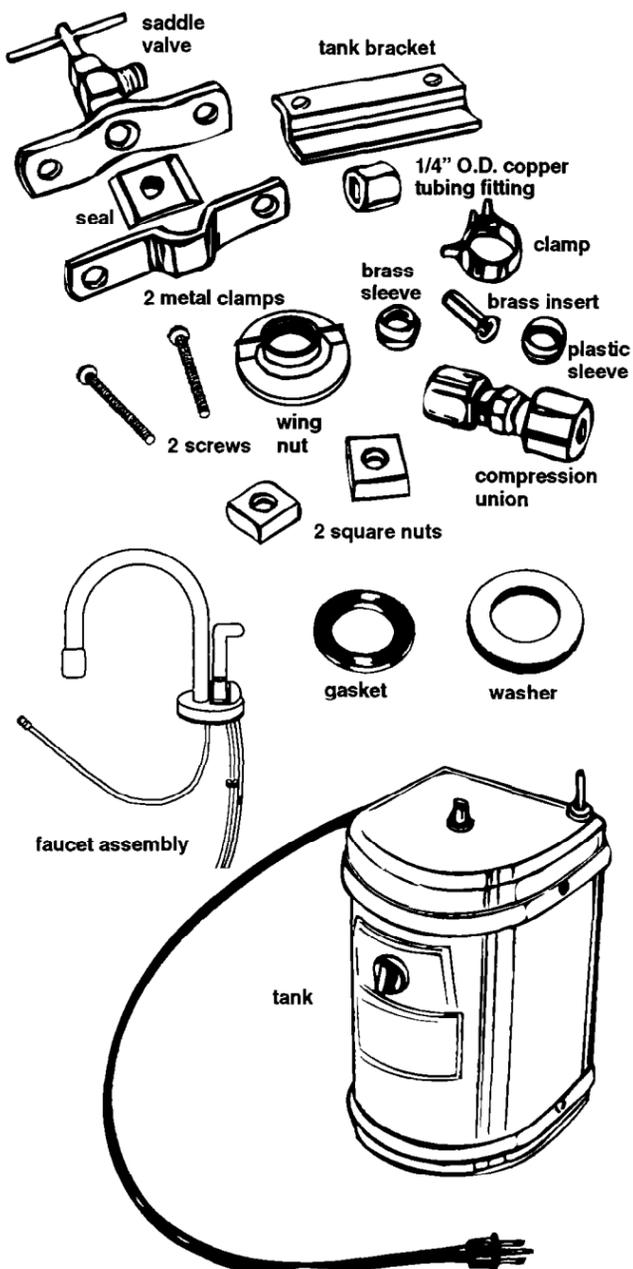
Important: Observe all governing codes and ordinances.



Tools and materials needed for installation:



Parts supplied for installation:



Remove parts from packages. Check that all parts were included.

Panel B

Electrical requirements

! WARNING

Electrical Shock Hazard

- Electrical ground is required on this appliance.
 - If cold water pipe is interrupted by plastic, non-metallic gaskets or other insulating materials, Do Not use for grounding.
 - Do Not ground to a gas pipe.
 - Do Not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
 - Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in electrical shock.
 - Do Not use an extension cord with this appliance.
 - Check with a qualified electrician if you are in doubt as to whether this appliance is properly grounded.
- Failure to follow these instructions could result in serious injury or death.

If codes permit and a separate grounding wire is used, it is recommended that a qualified electrician determine that the grounding path is adequate.

For your personal safety, this appliance must be grounded. This appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong grounding-type wall receptacle, grounded in accordance with National Electrical Code, ANSI/NFPA 70-latest edition* and all local codes and ordinances. (See Figure 1.) If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have a properly grounded 3-prong wall receptacle installed by a qualified electrician.

Copies of the standard listed may be obtained from:

* National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

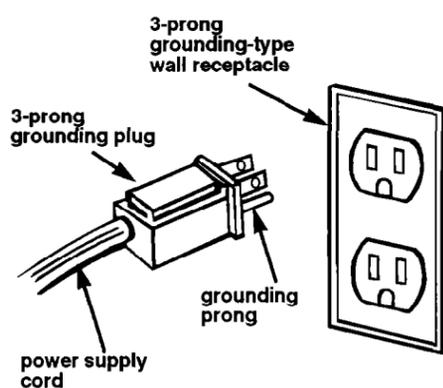


Figure 1

Water supply requirements

Important: If local codes do Not permit the use of saddle valves, special feed valves can be obtained from your local plumbing supply distributor.

If local codes permit, the hot water dispenser feed line should be connected to the cold water supply line using a saddle tapping valve. The saddle tapping valve supplied is designed for use with 3/8" to 1-3/8" outer dimension (O.D.), soft copper supply tubing (plain or chrome plated) and rigid metal pipe. Do Not use saddle valve with flexible ribbed supply tubing. Flexible ribbed supply tubing has a thin wall thickness and requires special connection hardware, available from your local plumbing supply distributor.

NOTE:

Connection to hot water line is not recommended. Energy will be wasted in heating the water twice and the magnesium rod used in household heating may produce a "rotten egg" taste. If this unit is replacing a hot water dispenser connected to a hot water supply, the existing connection may be used.

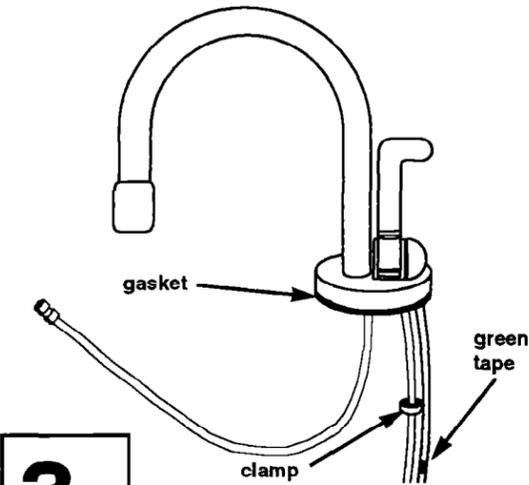
Installation

With hot water dispenser in kitchen.

1. Determine the best faucet mounting position that will allow faucet spout to empty into sink. Check below sink to assure that reinforcing ribs, support brackets or cabinet construction will not interfere with faucet mounting. Knock out plug from hole in sink or cut a hole in sink or countertop.

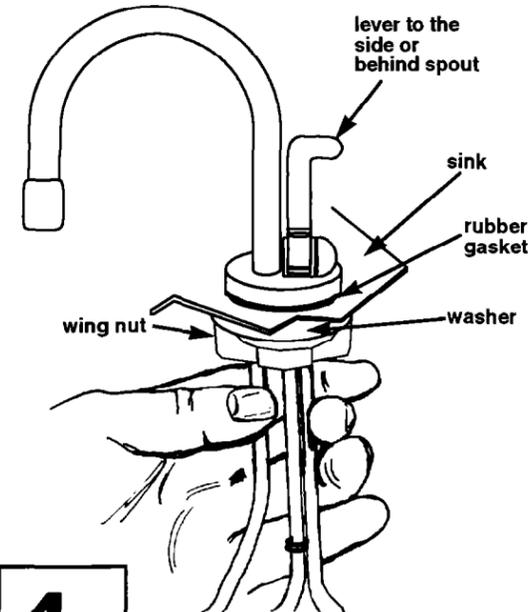
NOTE: It is recommended that only a licensed plumber or professional installer cut an opening in the sink or countertop.

2. When unpacking faucet, Do Not remove green tape from faucet tubing or tank tubing.

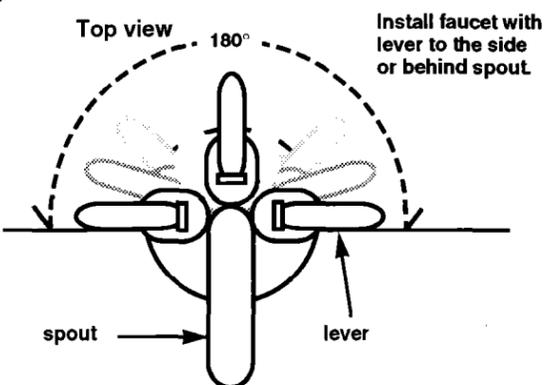


3. Lay faucet on flat surface with coiled tubing facing up. Using one hand to hold tubing just below faucet, carefully straighten tubing with other hand. Slide gasket over tubing so that gasket is seated under base of faucet.

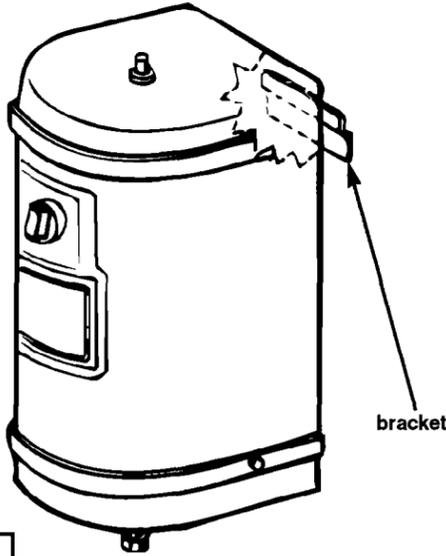
! WARNING
Personal Injury Hazard
 Install faucet with lever to the side or behind spout. Failure to do so may result in hot water scalding hand when operating lever.



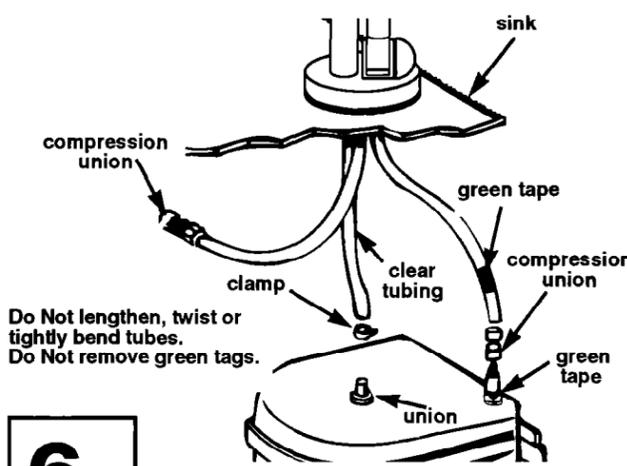
4. Hold gasket in position and insert tubing through gasket, then into mounting hole. From under sink/cabinet, slide washer then wing nut with flat side facing up over tubing. Check that lever is positioned to the side or behind spout and that spout is positioned to empty into sink. Tighten wing nut by hand until faucet is securely in position.



Panel C

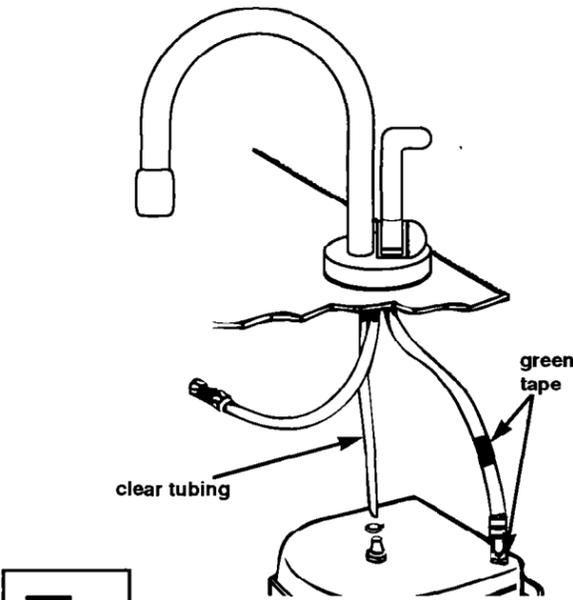


5. Position tank vertically beneath faucet so that clear tubing from faucet reaches center copper tubing on tank, and tank touches wall. Use a pencil to mark on the wall where the top of tank needs to be located. Set tank aside. Mark a second line 2-1/4" below the line. Position mounting bracket on wall so that bottom of mounting bracket is even with the lower line. Use two screws (and plastic anchors if attaching to dry wall) to fasten mounting bracket to wall. Hang tank on bracket.



Do Not lengthen, twist or tightly bend tubes. Do Not remove green tags.

6. Use a compression union to connect the longer, 1/4" tubing from the faucet to the back tubing in the top of the tank (both are marked with green tape). Faucet tubing may be shortened if necessary.



7. Connect clear tubing from faucet to middle tank tube using clamp. Clear tubing may be shortened, if necessary.

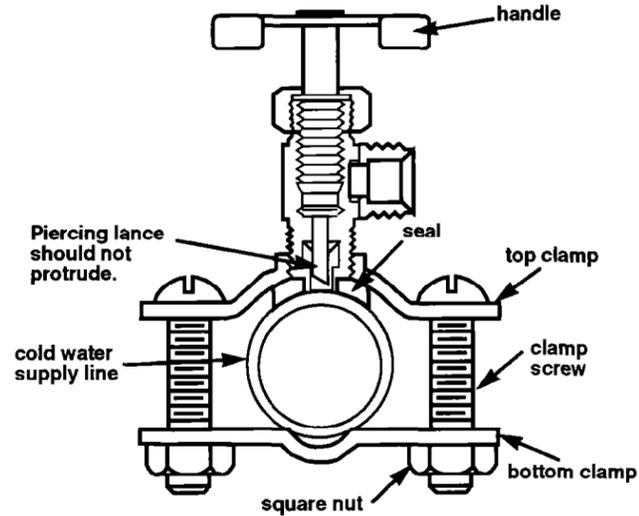
! WARNING
Electrical Shock Hazard
 Some water may remain in water supply pipe:
 • If an electric drill is used, it must be properly grounded to prevent severe or lethal shock if water should enter drill. Use only an electric drill with a 3-wire cord connected to a grounded receptacle.
 • Check with a qualified electrician if you are in doubt as to whether your electric drill is properly grounded.
 Failure to follow these instructions could result in personal injury or death.

8. Turn off main water supply. Turn on sink cold water faucet and allow all water to drain from line. Turn off faucet.

If water supply is copper, go to Step 9.

If water supply line is rigid metal, use a grounded electric drill or hand drill to drill a 1/4" hole in the cold water line.

NOTE: Flexible ribbed tubing requires special connecting hardware available from your local plumbing supply.



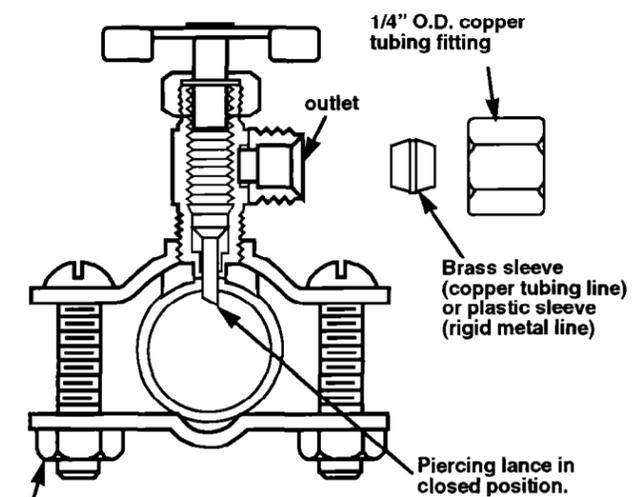
View from top

9. Turn saddle valve handle so piercing lance does not protrude.

Put seal on saddle valve and position assembly on vertical, cold water supply line.

Align bottom clamp holes with holes in top clamp. Insert clamp screws. Attach one square nut to end of each clamp screw. Tighten nuts evenly and firmly, keeping brackets parallel. Do Not overtighten clamp screws, copper tubing could be crushed.

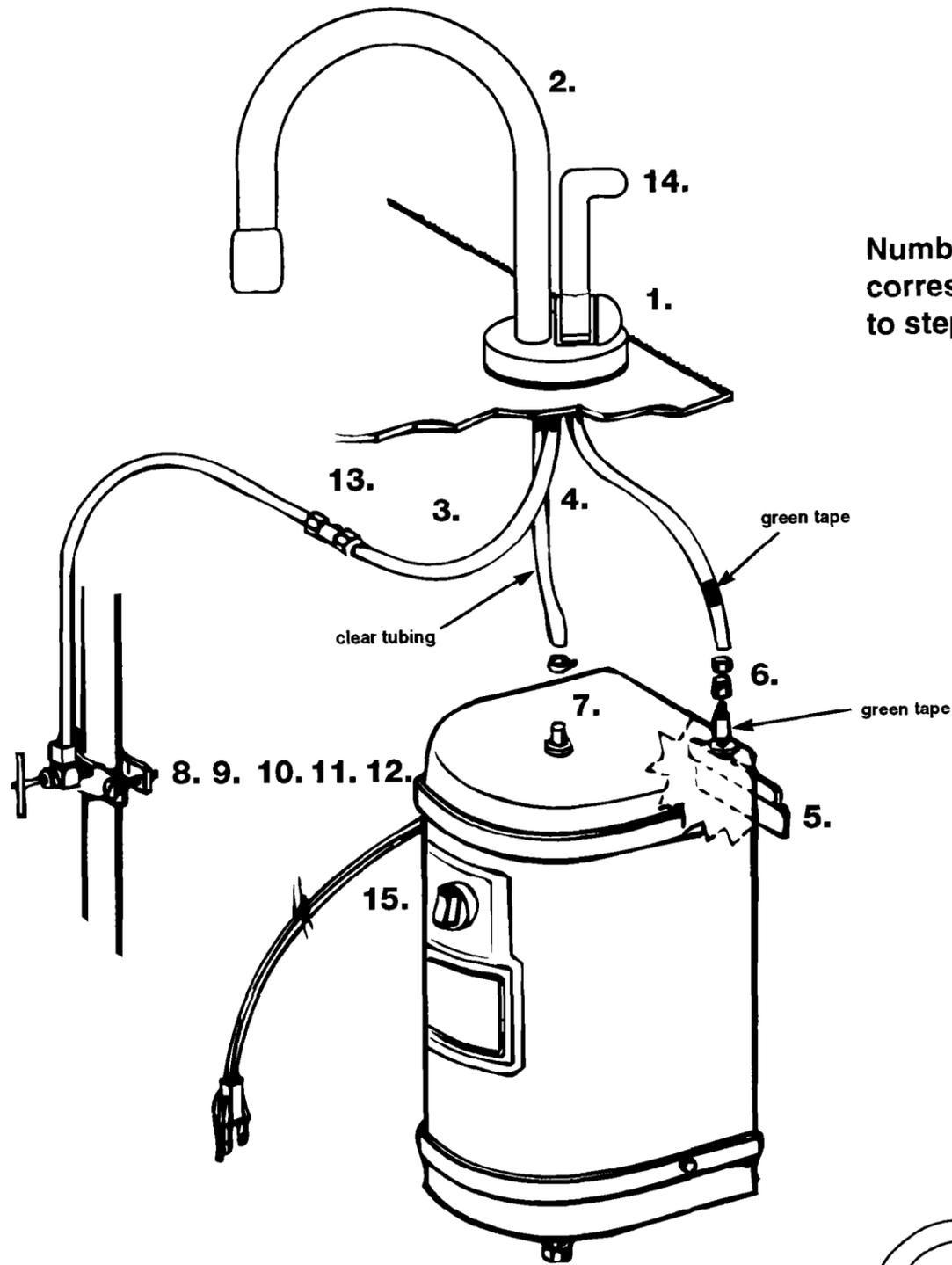
! CAUTION
Product Damage
 Do Not use pipe sealing compounds. Pipe sealing compounds may get inside dispenser and cause an unpleasant taste or smell.



Assembly fits 3/8" through 1-3/8" O.D. copper or rigid metal line.

View from top

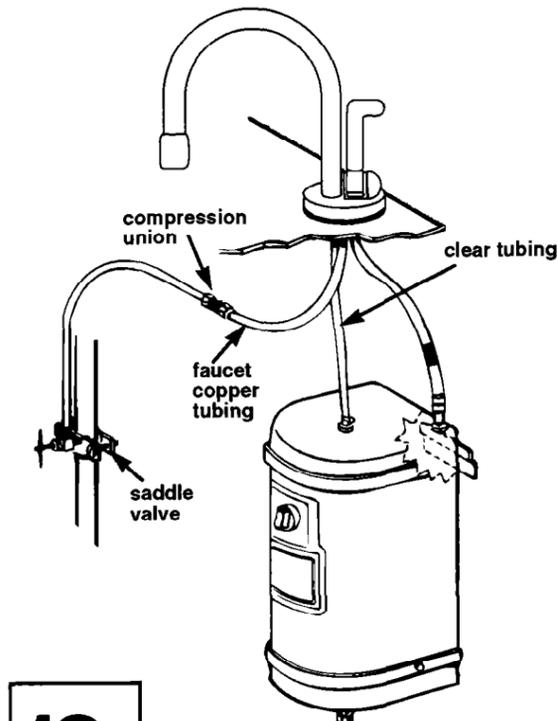
10. Slide brass sleeve into copper tubing fitting; use plastic sleeve if water supply line is not copper. Attach fitting to saddle valve outlet. Connect 1/4" O.D. copper tubing (not supplied) to tubing fitting. Do not seal the connections with sealing compounds.



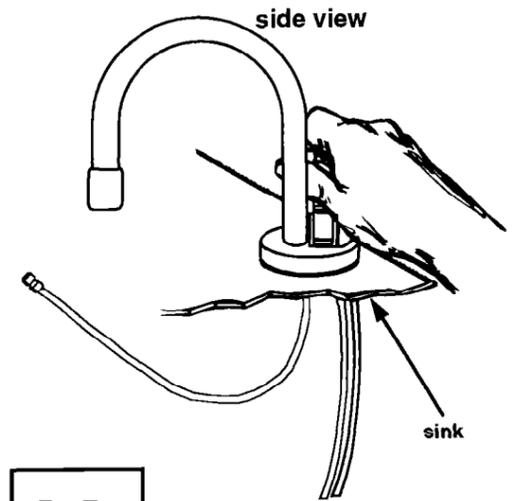
Numbers correspond to steps.

11. Turn saddle valve handle clockwise until lance pierces soft copper tubing and valve is firmly seated. The valve is now in the closed position. Place a bucket under open end of water supply line. Turn on main water supply valve to pressurize cold water line. Check for leaks. Use a wrench to tighten nut/seal around valve stem.

12. Open saddle valve and flush line into bucket to remove any foreign material that may have been trapped in the supply line during saddle valve installation. Close saddle valve.



13. Connect water supply line from saddle valve to shorter copper tubing from the faucet using the compression union. Open saddle valve.



14. Push or pull faucet lever to open position. Hold lever in open position until tank is full (approximately 1 minute). When tank is full, water will flow from faucet spout. Release lever to close faucet. Check for leaks.

15. Turn thermostat knob counterclockwise to "OFF" position. Plug power supply cord into properly grounded outlet. Turn thermostat knob clockwise to highest position. Water in tank will reach maximum temperature in approximately 15 minutes and dispenser will be ready for use. Lower temperature setting if you notice vapor or hear boiling noise.
NOTE: Thermostat controls tank heater, not water delivery. Rotate thermostat knob clockwise to raise water temperature; counterclockwise to lower water temperature.

CAUTION
Product Damage
Do Not remove internal stainless steel filter screen from the compression fitting. Failure to follow this instruction could result in damage to the valve.
Fill tank with water and turn thermostat to "OFF" position before plugging hot water dispenser into power supply.
Failure to do so could cause hot water dispenser heater to overheat resulting in an unpleasant taste, black specks in water, and permanent damage to the heater seals.

To get the most efficient use from your new hot water dispenser, read the Use & Care Information. Keep Installation Instructions/Use & Care Guide close to hot water dispenser for easy reference.

Use and care information

How your hot water dispenser works

Your hot water dispenser uses a heating element to warm water in the tank to approximately 190°F when the temperature control is turned to the highest position. You can draw approximately 2 quarts of hot water at a time. As hot water is drawn from the tank, it refills with cold water, which is then heated. It takes approximately 15 minutes for a tank of cold water to heat to the maximum temperature.

Using your hot water dispenser

WARNING

Personal Injury Hazard

- Check that lever is to the side or behind faucet spout before using hot water dispenser.
- Do Not reach into or splash hot water on skin.
- Do Not let children operate hot water dispenser.
- Do Not leave children or infants unattended near hot water dispenser.
- Do Not use hot water from dispenser for bathing children, infants or pets.

Water from hot water dispenser can reach temperatures of approximately 190°F. Failure to follow these instructions may result in scalding or burns from hot water.

To get hot water from the tank:
Push or pull faucet lever.

To stop water flow from faucet:
Release faucet lever and let it return to the vertical position.

Ways you can use your hot water dispenser:

Your hot water dispenser water has many uses, including:

- To prepare instant foods and drinks that require 190°F maximum water for preparation (such as instant coffee, tea, hot chocolate, bouillon, soup, instant cereal, instant mashed potatoes, frosting mix, etc.).
- To get a fast start on cooking foods that require boiling (such as hard boiled eggs, fresh or frozen vegetables, meat cooking in liquid, dried soup, pasta, rice, hot cereals, packaged dinners with pasta, rice or potatoes).
- Loosening jar lids.
- Warming baby bottles.
- Warming baby food.
- Filling hot water bottles.
- Peeling tomatoes or peaches.
- Dissolving gelatin.
- Thawing frozen foods.
- Preparing vegetables for canning.

Adjusting the water temperature

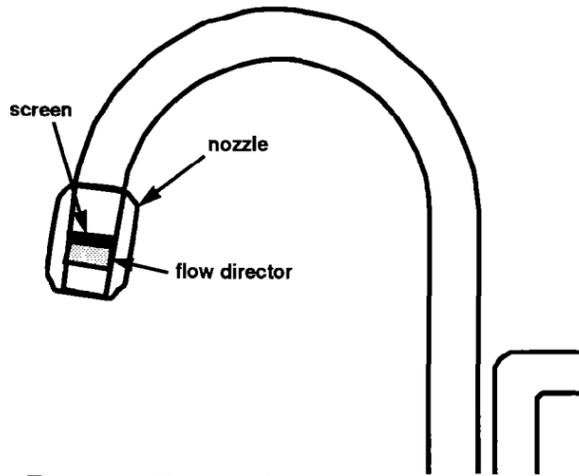
The water temperature is controlled by a thermostat on the tank. The thermostat has infinite settings between "OFF" and "HIGH" and can be adjusted by rotating the thermostat knob clockwise for a higher temperature; counter-clockwise for a lower temperature.

When the thermostat knob is turned to the "OFF" position, the hot water dispenser will not heat the water. When the thermostat knob is turned to the "HIGH" position, the water will heat to approximately 190°F.

It is recommended that the thermostat be set to the "HIGH" position for the best performance. However, under certain conditions, it is possible that you will see vapor coming out of the faucet or hear a boiling noise when the thermostat is set to "HIGH." If this occurs, lower the thermostat setting to a position that eliminates the vapor or noise.

Maintaining your hot water dispenser

If you have very hard water, it may be necessary to occasionally clean the faucet screen to remove sediment buildup.



To remove the faucet screen:

1. Set hot water dispenser thermostat to "OFF."
2. Hold lever down and drain hot water from tank. Release lever.
3. Unscrew nozzle from faucet spout.
4. Remove screen and flow director from inside nozzle.

To clean the screen and flow director:

1. Use a small brush and vinegar to remove deposits.
2. If deposits have hardened, soak screen and flow director in vinegar for 1-2 hours. Then use brush to clean.

To replace faucet screen:

1. Insert flow director into nozzle. Then insert screen.
 2. Position nozzle on end of faucet spout and carefully tighten by hand.
- NOTE: Nozzle must be fully tightened for screen and flow director to be properly seated and for nozzle not to leak.
3. Check that faucet spout is positioned away from faucet lever. Hold lever down and check for leaks at nozzle. If nozzle leaks, remove nozzle and check that screen and flow director are properly positioned. Replace nozzle and check for leaks again.
 4. Set hot water dispenser thermostat to "HIGH."

Preparation for periods of nonuse

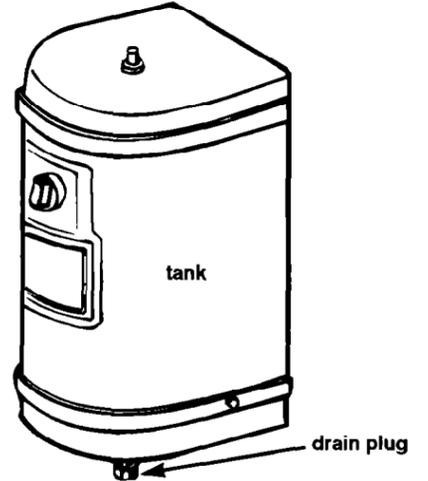
On average, you will use your hot water dispenser to heat 7 to 8 cups of water per day. This uses only 19 kilowatt-hours of energy per month. So it is not necessary to turn off the hot water dispenser each night to conserve energy.

However, if the hot water dispenser will not be used for an extended period of time, follow these instructions —

For short periods (2-30 days) of nonuse:
Set the hot water dispenser thermostat to the "OFF" position to conserve energy.

For long periods of nonuse, seasonal storage or protection from freezing:

1. Turn hot water dispenser thermostat to the "OFF" position.
2. Unplug hot water dispenser power supply cord.
3. Hold down faucet lever and run water until water is cold.
4. Turn saddle valve handle clockwise to turn off water supply.
5. Place a 3-quart minimum container under the drain plug at the bottom of the tank.
6. Remove drain plug with a 9/16" wrench and allow all water to drain from tank.
6. Replace plug, but do Not overtighten.



Using hot water dispenser after long periods of nonuse

CAUTION

Product Damage

Fill tank with water and turn thermostat to "OFF" position before plugging hot water dispenser into power supply. Failure to do so could cause hot water dispenser heater to overheat resulting in an unpleasant taste, black specks in water, and permanent damage to the heater seals.

1. Turn saddle valve handle counterclockwise to open water supply line.
2. Hold down faucet lever until tank is full (approximately 1 minute). When tank is full, water will flow from faucet spout. Release lever. Check for leaks.
3. Check that hot water dispenser thermostat is set to "OFF" position.
4. Plug power supply cord into properly grounded outlet.
5. Set thermostat to "HIGH" position. Water in tank will reach maximum temperature in approximately 15 minutes and dispenser will be ready for use.

Troubleshooting chart

Problem	Solution
Water is not hot.	A. Check that the circuit breaker is not tripped or the house fuse blown. B. Check that power supply cord is plugged into wall receptacle. C. Check that hot water dispenser thermostat is set to "HIGH" position. D. Cold water in tank is still being heated. Wait 15 minutes and check temperature again.
Vapor appears or dispenser makes boiling water noises.	Adjust hot water dispenser thermostat to a lower setting that eliminates the vapor or noise.
Hot water drips or sputters from faucet.	A. Check that tubing is not bent or kinked. B. Adjust hot water dispenser thermostat to a lower setting that eliminates the drips/sputters. C. Check that nozzle screen is not clogged. See "Maintaining your hot water dispenser," Panel E. D. Check for proper installation of copper tubing from faucet to storage tank and from faucet to cold water line. See Steps 6-13, Panels C and D.
Water does not flow from faucet.	Check that water supply valve is open.
Leaking saddle valve.	Tighten saddle valve clamp screws evenly and firmly, keeping both halves of bracket parallel. Do Not deform tubing.
Water has a "rotten egg" taste.	A. Hot water dispenser is attached to hot water line. Attach to cold water line. B. Install a water filtration system on cold water line to dispenser.

KitchenAid® Instant-Hot® Water Dispenser Warranty

LENGTH OF WARRANTY	KITCHENAID WILL PAY FOR:	KITCHENAID WILL NOT PAY FOR:
ONE YEAR FULL WARRANTY FROM DATE OF INSTALLATION.	Replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by a KitchenAid-authorized servicing outlet.	A. Service calls to: 1.) Correct installation of the Instant-Hot Water Dispenser. 2.) Instruct you how to use the Instant-Hot Water Dispenser. 3.) Replace house fuses, circuit breakers or correct house wiring. 4.) Correct house plumbing. B. Repairs when Instant Hot Water Dispenser is used in other than normal home use. C. Damage resulting from accident, alteration, misuse, abuse, improper installation or installation not in accordance with local electrical or plumbing codes. D. Replacement parts or repair labor costs for units operated outside the United States. E. Repairs to parts or systems caused by unauthorized modifications made to the appliance. F. Pickup and delivery. This product is designed to be repaired in the home.

KITCHENAID DOES NOT ASSUME ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you need assistance...

The KitchenAid Consumer Assistance Center will answer any questions about operating or maintaining your hot water dispenser not covered in the Installation Instructions and Use and Care Guide. The KitchenAid Consumer Assistance Center is open 24 hours a day, 7 days a week. Just dial 1-800-422-1230 — the call is free.

When you call, you will need the hot water dispenser model number and serial number. Both numbers can be found on the serial/rating plate located on the hot water dispenser tank.

If you prefer, write to:

Consumer Assistance Center
 KitchenAid
 P.O. Box 558
 St. Joseph, MI 49085-0558

Please include a daytime phone number in your correspondence.

If you need service...

In the event that your KitchenAid appliance should need service, call the dealer from whom you purchased the appliance or a KitchenAid-authorized service company. A KitchenAid-authorized service company is listed in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service or Repair." You can also obtain the service company's name and telephone number by dialing, free, within in the continental United States, the KitchenAid Consumer Assistance Center telephone number, 1-800-422-1230. A special operator will tell you the name and number of your nearest KitchenAid-authorized service company.

Maintain the quality built into your KitchenAid appliance — call a KitchenAid-authorized service company.

If you are not satisfied with the action taken:

- Contact the Major Appliance Consumer Action Panel (MACAP). MACAP is a group of independent consumer experts that voices consumer views at the highest levels of the major appliance industry.
- Contact MACAP only when the dealer, authorized servicer and KitchenAid have failed to resolve your problem.
 Major Appliance Consumer Action Panel
 20 North Wacker Drive
 Chicago, IL 60606
- MACAP will in turn inform us of your action.

