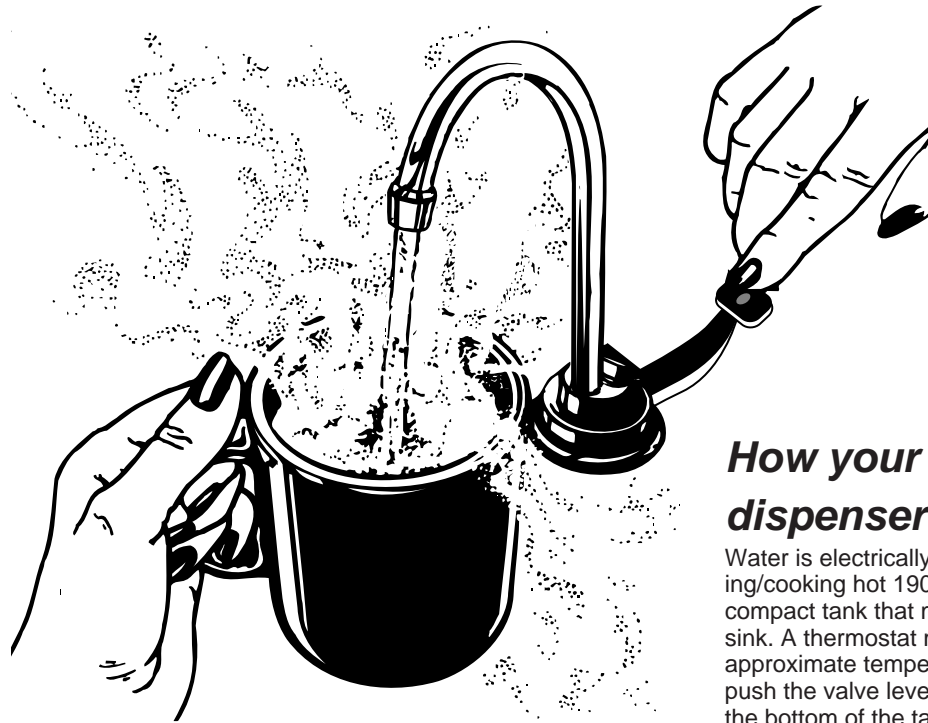




The Installation, Care and Use of Your New "Hot-1" Hot Water Dispenser



Valve lever design may vary



How your hot water dispenser works

Water is electrically heated to a brewing/cooking hot 190°F (88° C)* by a compact tank that mounts under the sink. A thermostat maintains it at this approximate temperature. When you push the valve lever, cold water enters the bottom of the tank and forces hot water out of the faucet. The system is vented so the tank is not pressurized.

*approximate

Safety Instructions

⚠ WARNING

Warnings alert you to hazards or unsafe practices which could result in severe personal injury or death.

⚠ CAUTION

Cautions alert you to hazards or unsafe practices which could result in minor personal injury or product/property damage.

Please be certain that the person who installs or uses this appliance carefully reads and understands the Safety Instructions contained in this manual. This appliance produces extremely hot water. Do not allow children to operate this appliance.

Important

Do not install this appliance in public areas where there is unsupervised access to this appliance.



Specifications

Capacity
1/3 gallon (1.3L), up to 40 cups of 190°F*(88°C) water per hour.

Electrical
115 volts A.C., 4.3 amps, 500 watts. Energy consumption .95 KWH/day. Three-wire cord & plug provided.

Valve
Self-closing

Thermostat
Snap-action adjustable, factory preset at approximately 190°F (88°C).

Construction
Copper tank and valve. Copper tubing.

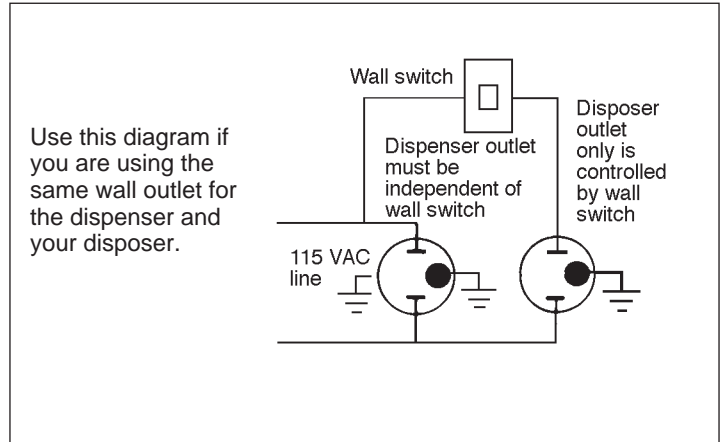
Shipping weight
4 lbs. (1.8 kg.)

What you should know before you begin

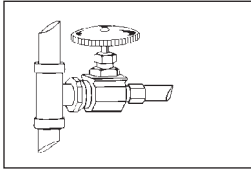
This unit usually mounts behind the sink. Be sure you have enough room between the sink and the wall to mount the unit (see mounting dimensions). When determining hole location for the unit, ensure that the dispenser spout will drain into the sink and the valve lever will not hit the back wall or counter.

Connecting the dispenser to your cold water supply requires no special plumbing. All details are covered in the installation instructions. Be sure that all plumbing connections conform to your applicable local codes. If your water supply contains sand, grit or other suspended particles, the use of a filter is recommended. The filter should not result in the water pressure to the dispenser dropping below 20 pounds per square inch (138kPa). This could prevent the unit from aspirating properly.

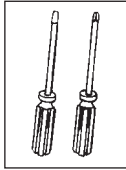
A standard 115-volt grounded electrical outlet is required under the sink for the dispenser's electrical power. The current drain is 4.3 amps only when the tank is heating. Assure that all electrical wiring and connections conform to applicable codes. **Note: The wall outlet to your dispenser must have power supplied to it continuously and must be fused. It should not be controlled by the same wall switch that operates your disposer.**



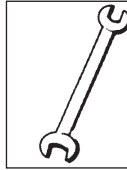
These are the tools and materials you **will** need



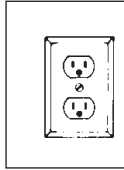
Cold water line within 16" (40 cm) of the dispenser. A shut-off valve and/or T-fitting(s) to connect the dispenser to the cold water line (see step 3 for examples of connections that can be used).



Screwdrivers. Phillips and flat blade

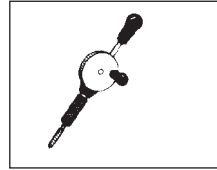


1/2" - 9/16" Open end wrench

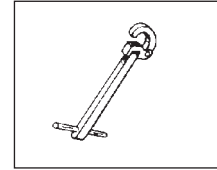


115-volt grounded outlet within 30 inches (76 cm) of the dispenser

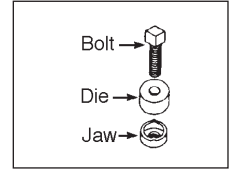
These are the tools you **may** need



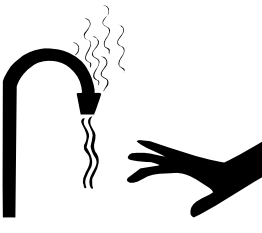
Hand drill. If you have a galvanized water supply pipe, you may need a non-electric drill to make a small hole.



Basin wrench. If you intend to use the hand sprayer hole in your sink for your dispenser, you may need a basin wrench and a 1/8" plug or a 1/4" cap (not supplied) for the faucet spray hose line. See step 1 of installation instructions for details.



Chassis punch. If you need to punch a mounting hole in your stainless steel sink you may need a 1-3/8" (35 mm) chassis punch.



⚠ WARNING

Personal Injury

- Dispenses 190°F (88° C) water which can instantly cause scalds or burns. Use care when operating this appliance.
- Do not allow children to operate this appliance.

⚠ CAUTION

A hot water dispenser, like any water heater, has limited life and will eventually fail. To avoid possible property damage, a hot water dispenser should be regularly examined for leakage and replaced when necessary. A drain pan plumbed to an appropriate drain **should be used** in those applications where any leakage could cause property damage.

⚠ WARNING

Fire Hazard

- To minimize possibility of fire, do not store flammable items such as rags, paper or aerosol cans near the tank. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

⚠ WARNING

Electric Shock Hazard

- Disconnect power before installing or servicing unit
- Use only a properly grounded and polarized electric outlet.

⚠ WARNING

Personal Injury

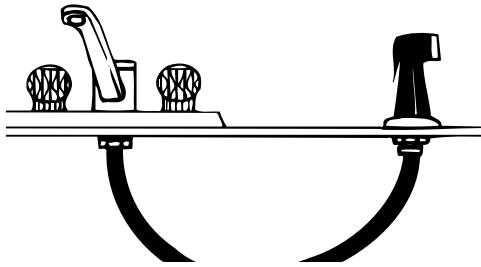
- This tank is a non-pressure tank. Do not modify this system. Do not close vent tube or connect other type faucets or valves to the tank.

Important

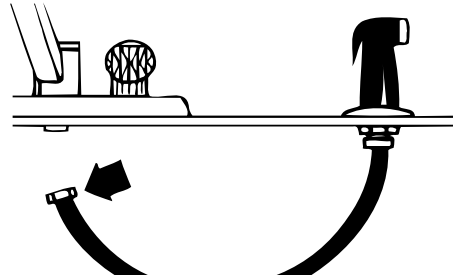
- Any time you plan on being away from home for an extended period of time, unplug the unit's electrical cord. See step 6.
- This unit does not contain a drain plug and should not be installed where periodic draining is required such as summer homes. The unit can be drained only by removing it from the sink and turning it upside down. If draining is necessary, we recommend that you install an ISE Model H-770 hot water dispenser.

Let's start the installation

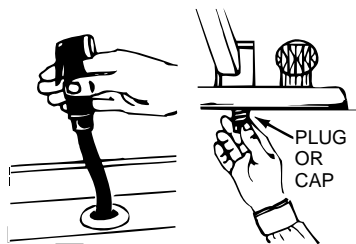
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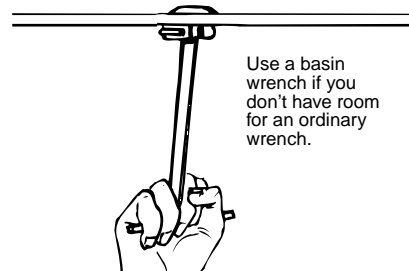
A If you have a spray unit like this one on your kitchen sink, the hole is perfect for mounting your Hot-I Dispenser.



B FIRST, BE SURE FAUCET IS TURNED OFF. Then unscrew the spray hose from the bottom of the faucet.



C Now pull the spray head and hose entirely out of the hole. Then plug the faucet tube opening with either a 1/8 inch plug or 1/4 inch cap (not supplied).



Use a basin wrench if you don't have room for an ordinary wrench.

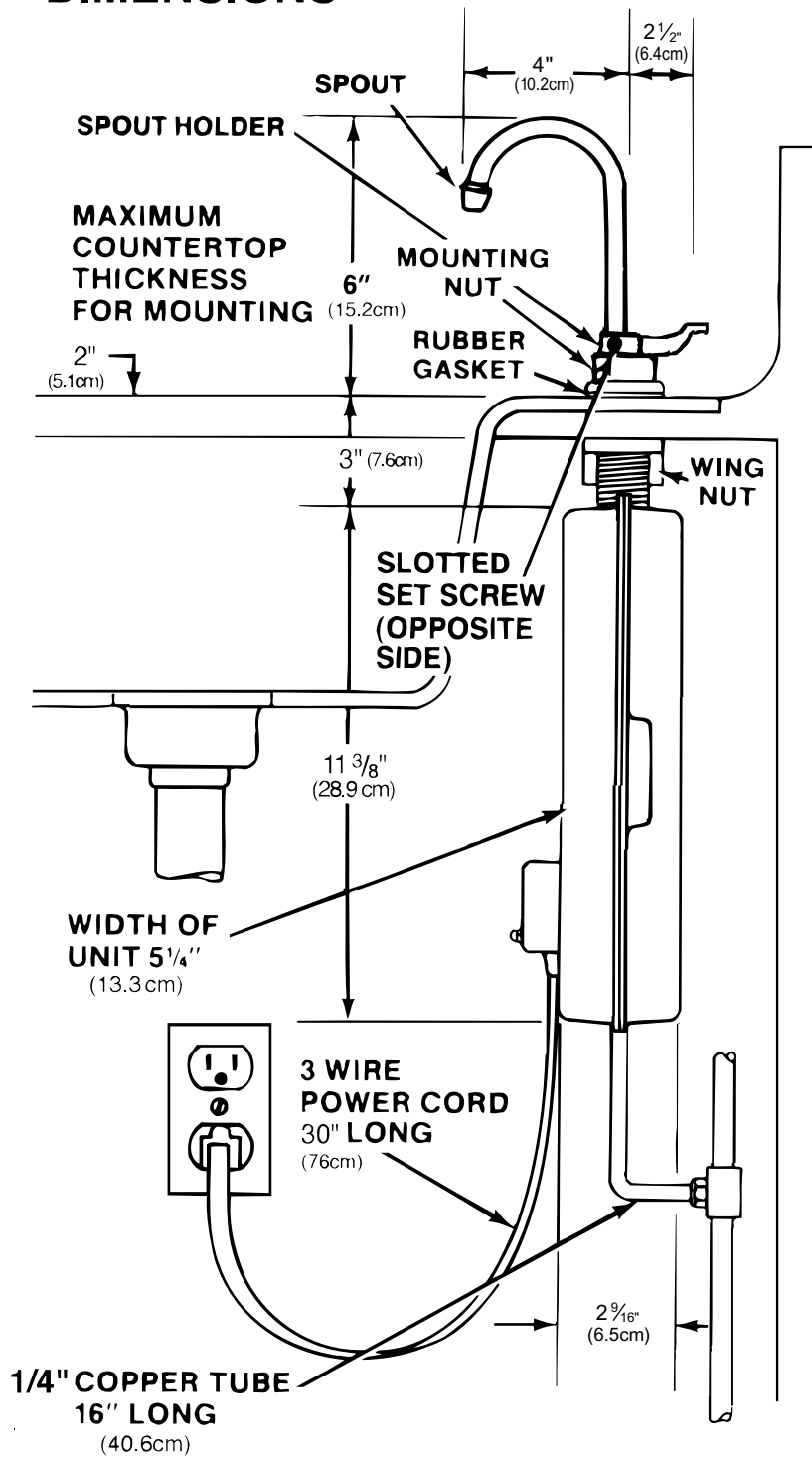
D Next, remove the nut from the bottom of the washer that is in the spray hole. If you don't have enough room for an ordinary wrench, you may need the basin wrench.

What if you don't use a spray hole or don't want to use it?

You can cut a mounting hole through a stainless steel sink with a 1-3/8" (35mm) chassis punch such as the one shown at right. Rent or purchase one at your hardware or electrical supply store. Or, mount the Hot Water Dispenser's head in a 1-3/8" (35 mm) hole drilled through your sink countertop with an expandable wood bit. Don't attempt to drill a hole through a cast iron or porcelain covered sink unless you have the proper tools.

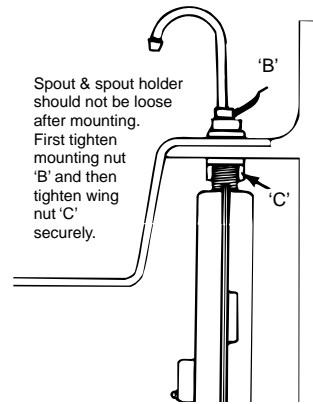
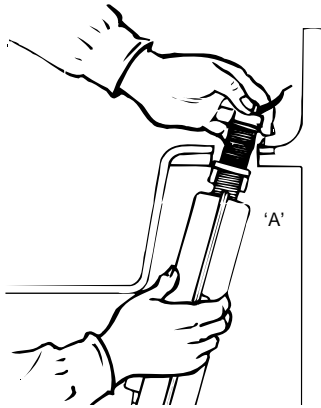


DIMENSIONS



Now we install the dispenser

2



A Mount the unit through the 1-3/8" dia. (35 mm) hole in the sink (see note below). Make sure the valve lever is in the up position and feed the spout end of the dispenser through the sink mounting hole.

Note: To fit the unit through the sink hole, it will be necessary to remove the spout. To remove, loosen the set screw in spout holder approximately two full turns and pull out spout. After mounting dispenser in sink, reassemble the spout making sure the rubber seal on spout is in place (see sketch below). Push spout into dispenser as far as it will go and retighten set screw approximately two turns.

▲WARNING

Personal Injury

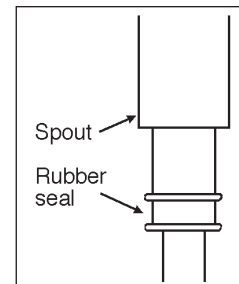
Failure to tighten set screw allows easy removal of spout. Operation of unit with spout removed could cause injury from hot water spray.

B While holding the dispenser in place with spout removed, slip the rubber gasket and mounting nut over the valve lever and hand tighten the nut on the threaded barrel.

C Align the spout so that the water will run into the sink and secure the dispenser by tightening the wing nut from the underside of the sink.

Important: First ensure mounting nut B is fully engaged and tightened. Then tighten wing nut C securely. The spout and spout holder should not be loose after tightening mounting nut B and wing nut C.

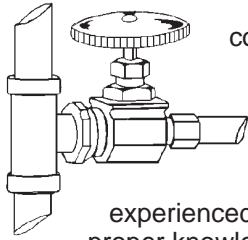
Note: The dispenser must be mounted in the upright (vertical) position only.



DO NOT plug in the electrical supply cord until the tank is full of water

Next, Let's make the water connection

3



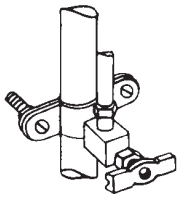
The recommended connection can be made using a shutoff valve. This is a more complex installation and should only be attempted by an experienced installer with the proper knowledge and tools.

Attach the valve to a cold water supply line.

⚠ CAUTION

Product Damage

- Do not use paste-type pipe sealants on water line connections. Doing so may result in clogging of water passages.



Where plumbing codes permit, a saddle valve (not supplied) can be used to supply water to the dispenser.

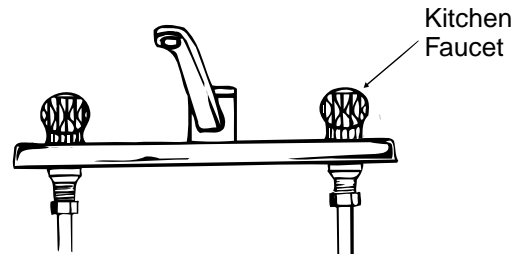
If the saddle valve is to be used on copper pipe it is not necessary to pre-drill any holes. Simply follow the directions for "self-piercing attachment" included with the valve.

Note: Saddle valves are susceptible to dclogging.

⚠ WARNING

Electric Shock Hazard

- Never use an electric drill to drill into water pipes. It can result in an electric shock. Use a non-electric hand drill.



Kitchen Faucet

Tee fitting (not supplied)

If the cold water line to your faucet already has a shutoff valve, a tee fitting could be added to supply the hot water dispenser. Connect the 16" (40.6 cm) long, 1/4" diameter copper tube on the dispenser to the tee fitting as shown.

Add Tee Fitting

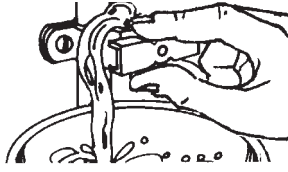
1/4" Dia. Tube

Cold water supply line

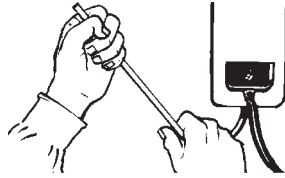
DO NOT plug in the electrical supply cord until the tank is full of water

Now let's connect the water to dispenser

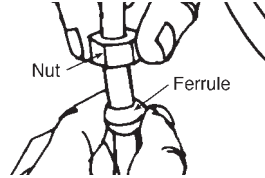
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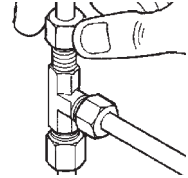
A Before you start, open the valve and let a small amount of water run through it into a pan. This will flush the line of sediment.



B Bend and position the 1/4" copper line coming from the dispenser so that it fits into the shutoff valve. With one hand, support the copper line as it comes out of the tank and bend the tube with the other hand. Bend the tube carefully. Do not to kink it.



C When connecting to a compression type fitting tee or valve, remove the nut and ferrule (a rounded brass fitting) from the valve. Then, place the nut followed by the ferrule over the end of the tube coming from the dispenser.



D Push the tube end all the way into the valve or tee fitting. Hold the tube end in position and push the ferrule down as far as it will go. Now, tighten the nut over the ferrule with your fingers. Make sure the tube end is going straight into the hole. Then tighten the nut firmly with a 1/2" wrench.

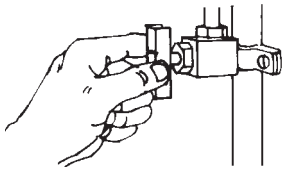
⚠ CAUTION

Flow restriction

- Make sure the bends in tubing are smooth and not kinked.
- Don't use paste-type sealants on water line connections.
- Tighten compression fittings snug but don't overtighten.

FILL THE TANK

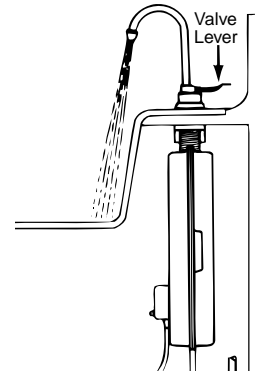
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A First, open the shutoff valve all the way and see if your connection is watertight. If it isn't, redo your connection.

Important: Never place a restriction on the delivery of water from the spout. Such a restriction prevents draining the expansion chamber and could damage the tank.

B Place the valve lever in the down position. Press down on the valve lever and fill the tank until water freely runs out of the spout. Release the valve lever and the faucet should turn off. Operate the valve lever several times letting the water run to flush out the lines.



DO NOT PLUG IN YET!

6

⚠ WARNING

Fire/Product Damage

- Do not remove or alter the thermal safety fuse.
- If you suspect the thermal fuse is open, contact your ISE Authorized Service Center

⚠ CAUTION

Product Damage

- Do not connect electric power until tank is filled with water. Failure to do so may damage heating element or thermal safety fuse and will void your warranty.

Once the electrical cord is plugged in, it will take ten to 15 minutes for the water to reach its 190°F (88°C)* temperature.

When the 190°F (88°C)* temperature is being reached, you can expect a gurgling or hissing sound within the tank. This is normal. You might also experience steaming and/or spitting hot water to come out of the faucet without turning it on. This also is a normal function on any initial start up.

Now, carefully turn on the faucet for about 20 seconds to draw off that steaming water and allow the water in the tank to reheat. Repeat this step one or two more times. This allows the functional parts of the dispenser to heat up evenly and work in balance, preventing the steaming and spitting condition. If steam is still emitted from the faucet, a thermostat adjustment may be necessary to slightly decrease the water temperature.

Until you have read and understood the following:

(See adjusting temperature procedure). Your dispenser should now be operating properly.

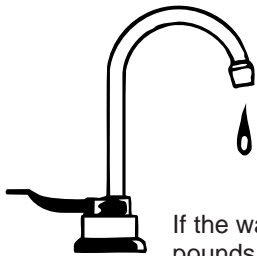
Note: The dispenser perks like a coffee percolator just before the electric thermostat shuts it off. The rumble is caused by gas bubbles being driven off by the boiling water. This is part of the regular operation of the dispenser.

High altitudes: High elevations (Denver, Colorado, etc.) may require the thermostat to be lowered to keep the water from boiling (see adjusting temperature procedure).

*APPROXIMATE

Service/Maintenance Instructions

What if water is dripping from the spout?



If water drips from the spout, draw 2 or 3 cupfuls while unit is heating. This will drain any water out of the unit's expansion chamber. If water still drips prior to the automatic thermostat shutting off (you can hear it), turn thermostat to a slightly lower temperature setting.

If the water pressure occasionally drops below 20 pounds per square inch (138kPa), the expansion chamber of the tank may not be draining properly. In such a case, water may drip out of the spout until the incoming water is hot enough to turn off the thermostat. As soon as adequate water pressure is restored, the next drawing of water will clear the expansion chamber. Occasional drops in water pressure will not harm the operation of your unit.

Note: Use only mild cleaners to clean the dispenser spout and plastic components. Use of cleaning agents containing acids, alkalines and organic solvents will result in deterioration of plastic components.

What to do if something goes wrong

1. If the dispenser's flow of water slows or stops, make sure the shutoff valve is not plugged or turned off. To unplug the valve, turn it all the way off and then open it all the way. This may dislodge any foreign material. If this does not work, then unplug the power cord and contact your service center.
2. Be sure dispenser is plugged firmly into a properly grounded outlet.
Check that fuses and circuit breakers are working. Reread instruction booklet to assure that you are using correct operating procedure. Many unnecessary service calls result in the service agent doing what the owner can do for himself or herself.
3. Contact your local authorized service center. For the location of your nearest factory authorized service center call 1-800-558-5700 USA (1-800-367-9811 Canada).
4. Write to us if a satisfactory solution is not reached in the steps above. Our address is shown below.

Adjusting Temperature

⚠ WARNING

Electric shock hazard

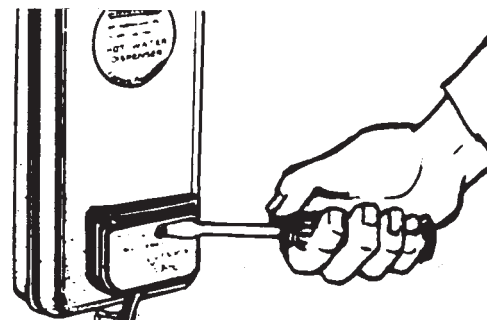
- To prevent electrical shock, disconnect power before removing access cover to service the thermostat.

Scalding hazard

- Do not allow water to boil. May result in severe burns.

Fire/product damage

- Do not remove or alter the thermal safety fuse.
- If you suspect the thermal fuse is open contact your ISE Authorized Service Center.



The thermostat is preset at the factory at approximately 190° F. If you wish to adjust the water temperature, turn the thermostat adjustment screw clockwise to increase the temperature and counterclockwise to decrease it (see illustration above). The cover must always be in place for the thermostat to respond properly. Wait for water to heat up or to cool down. Then, draw some water. If temperature still is not to your liking, repeat the procedure. **Do not allow water to boil.**

Full One-Year Warranty

Beginning from the date of installation through one year of use in your home, we will repair or replace at no charge defects in material or workmanship which appear in the dispenser. If your dispenser is replaced rather than repaired, the warranty on the new unit shall be for the duration of the remaining portion of the original dispenser's warranty. Please call the nearest Factory Authorized Service Center when service is needed.

For the location of your nearest factory authorized service center, call this toll free number: 1-800-558-5700 USA (1-800-367-9811 Canada).

This full one-year warranty applies only if the unit is installed in accordance with these installation instructions, is used on circuits and currents specified, and has had normal use and service.

The foregoing warranty does not apply to damage or inoperation resulting from accident, alteration, misuse, abuse, improper installation, installation not in accordance with these instructions or local electrical and/or plumbing codes or shows evidence of having been started up "dry". We do not assume any responsibility for consequential damage.



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