Installation and Operation Manual

Electric Water Heater

A Spanish language version of these instructions is available by contacting the manufacturer listed on the rating plate.

La versión española de estas instrucciones se puede obtener al escribirle a la fábrica cuyo nombre aparece in la placa de especificaciones.

THE WARRANTY ON THIS WATER HEATER IS IN EFFECT ONLY WHEN THE WATER HEATER IS INSTALLED AND OPERATED IN ACCORDANCE WITH LOCAL CODES AND THESE INSTRUCTIONS. THE MANUFACTURER OF THIS HEATER WILL NOT BE LIABLE FOR ANY DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THESE INSTRUCTIONS. READ THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING.

For your family's comfort, safety and convenience, it is recommended this water heater be installed and serviced by a plumbing professional.

WARNING
CANCER AND REPRODUCTIVE HARM
WWW.P65WARNINGS.CA.GOV

As required by the state of California Proposition 65

238-55974-00A REV 02/25

CONGRATULATIONS!

You have purchased one of the finest water heaters on the market today!

This installation, operation and instruction manual will explain in detail the installation and maintenance of your new water heater. We strongly recommend that you contact a plumbing professional for the installation of this water heater.

We require that you carefully read this manual, as well as the enclosed warranty, and refer to it when questions arise. If you have any specific questions concerning your warranty, please consult the plumbing professional from whom your water heater was purchased. For your records we recommend that you write the model, serial number and installation date of your water heater in the maintenance section in the back of this manual.

This manual should be kept with the water heater.

GENERAL INFORMATION

This electric water heater's design is certified by UL and listed in accordance with UL 174. CUL listed in accordance with Canadian National Standard C22.2, No. 110.

Water heaters with a capacity of 19 gallons through 119 gallons are evaluated by UL in accordance with Part 280.707(d) (1) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency. For mobile home installations, these water heaters must be installed in accordance with Section 3280.709 of HUD Mobile Home Construction and Safety Standards for Installation of Appliances.

This water heater must be installed in accordance with local codes. In the absence of local codes, install this water heater in accordance with the N.E.C. Reference Book (latest edition).

The warranty for this water heater is in effect only when the water heater is installed, adjusted, and operated in accordance with these Installation and Operating Instructions. The manufacturer will not be held liable for damage resulting from alteration and/or failure to comply with these instructions.

This water heater has been designed and certified for the purpose of heating potable water. The installation and use of this water heater for any purpose other than the heating of potable water, may cause damage to the water heater and create a hazardous condition and nullify the warranty.

⚠ CAUTION

Incorrect operation of this appliance may create a hazard to life and property and will nullify the warranty.

Do not use this appliance if any part has been submerged in water. The plumbing professional responsible for the installation of this water heater should be contacted to inspect the appliance and to replace any part of the control system, including hi-limit switch, which has been submerged in water.

Make sure that the rating plate on the water heater is referenced for certainty that the correct voltage is being supplied to the water heater.

⚠ DANGER

Do not store or use gasoline or other flammable, combustible, or corrosive vapors and liquids in the vicinity of this or any other appliance.

A sacrificial anode(s) is used to extend tank life. Removal of any anode, except for inspection and/or replacement, will nullify the warranty. In areas where water is unusually active, an odor may occur at the hot water faucet due to a reaction between the sacrificial anode and impurities in the water. If this should happen, an alternative anode(s) may be purchased from the supplier that installed this water heater. This will minimize the odor while protecting the tank. Additionally, the water heater should be flushed with appropriate solvents to eliminate any bacteria.

IMPORTANT

Before proceeding, please inspect the water heater and its components for possible damage. **DO NOT** install any damaged components. If damage is evident, please contact the supplier where the water heater was purchased or the manufacturer listed on the rating plate for replacement parts.

⚠ WARNING

Water heaters are heat producing appliances. To avoid damage or injury, there shall be no materials stored against the water heater and proper care shall be taken to avoid unnecessary contact (especially by children) with the water heater. **UNDER NO CIRCUMSTANCES SHALL FLAMMABLE MATERIALS, SUCH AS GASOLINE OR PAINT THINNER BE USED OR STORED IN THE VICINITY OF THIS WATER HEATER OR ANY LOCATION FROM WHICH FUMES COULD REACH THE WATER HEATER.**

Locating the Water Heater

This water heater **MUST** be installed indoors out of the wind and weather.

This water heater **shall NOT** be installed in any location where gasoline or flammable vapors are likely to be present, unless the installation is such to eliminate the probable ignition of gasoline or flammable vapors.

The location this water heater is to be installed is of utmost importance. Before installing this water heater, consult the installation section of these instructions. After reading these installation and operating instructions, select a location for the water heater where the floor is level and is easily accessible to a power supply and water connections. It is recommended that the water heater be located near the center of greatest hot water usage to prevent heat loss through the pipes.

DO NOT locate the water heater where water lines could be subjected to freezing temperatures. Locate the water heater so that access panels and drain valves are accessible.

Some models are not equipped with a drain valve. For those models, install a drain tee in the cold-water inlet as close as practical to the water heater.

Water heater corrosion and component failure can be caused by the heating and breakdown of airborne chemical vapors. Examples of some typical compounds that are potentially corrosive are: spray can propellants, cleaning solvents, refrigerator and air conditioning refrigerants, swimming pool chemicals, calcium or sodium chloride, waxes, and process chemicals. These materials are corrosive at very low concentration levels with little or no odor to reveal their presence.
NOTE: DAMAGE TO THE WATER HEATER CAUSED BY EXPOSURE TO CORROSIVE VAPORS IS NOT COVERED BY THE WARRANTY. DO NOT OPERATE THE WATER HEATER IF EXPOSURE HAS OR WILL OCCUR. DO NOT STORE ANY POTENTIALLY CORROSIVE COMPOUNDS IN THE VICINITY OF THE WATER HEATER.

This water heater must be located in an area where leakage of the tank or water line connections and the combination temperature and pressure relief valve will not result in damage to the area adjacent to the water heater or to lower floors of the structure. When such locations cannot be avoided, a suitable drain pan must be installed under the water heater. The drain pan must have a minimum length and width of at least 4 in. *(10.2 cm)* greater than the diameter of the water heater. The drain pan, as described above, can be purchased from your plumbing professional. The drain pan must be piped to an adequate drain. The piping must be pitched for proper drainage.

CLEARANCES

1. Minimum clearance to combustible material is 0 inches for the Top, Sides, Front, and Rear of this water heater. However, it is recommended that at least 18 inches *(45.7 cm)* from the Top, and 24 inches *(61 cm)* from the Front. Clearance for servicing may be reduced down to minimum clearance to combustible material, but service time and effort may be greatly increased.
2. Increase distances to provide clearances for servicing.

To comply with NSF requirements this water heater is to be:

A. Sealed to the floor with sealant, in a smooth and easily cleanable way, or
B. Installed with an optional leg kit that includes legs and/or extensions that provide a minimum clearance of 6" beneath the water heater.

Note: Per Section 507.2 Seismic Provisions of the 2021 Uniform Plumbing Code (UPC). Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one-third and lower one-third of its vertical dimensions. At the lower point, a distance of not less than 4 inches shall be maintained from the controls with the strapping.

Please refer to the local authority having jurisdiction to see if there are any additional local requirements regarding seismic provisions.

Water Connections

NOTE: BEFORE PROCEEDING WITH THE INSTALLATION, CLOSE THE MAIN WATER SUPPLY VALVE.

After shutting the main water supply valve, open a faucet to relieve the water line pressure to prevent any water from leaking out of the pipes while making the water connections to the water heater. After the pressure has been relieved, close the faucet. The COLD-water inlet and HOT water outlet are identified on top of the water heater. The fittings at the cold-water inlet and hot water outlet are dielectric waterway fittings with 3/4" NPT tapered male threads. Make the proper plumbing connections between the water heater and the plumbing system in the house. Install a shut-off valve in the cold-water supply line.

IMPORTANT

FAILURE TO INSTALL AND MAINTAIN A NEW, LISTED 3/4" X 3/4" TEMPERATURE-PRESSURE RELIEF VALVE WILL RELEASE THE MANUFACTURER FROM ANY CLAIM WHICH MIGHT RESULT FROM EXCESSIVE TEMPERATURE AND PRESSURES.

⚠ CAUTION

If sweat fittings are to be used, **DO NOT** apply heat to the nipples on top of the water heater. Sweat the tubing to the adapter before fitting the adapter to the water connections. It is imperative that heat is not applied to the nipples containing a plastic liner.

Water Connections continued-

After installation of the water lines, open the main water supply valve and fill the water heater. While the water heater is filling, open several hot water faucets to allow air to escape from the water system. When a steady stream of water flows through the faucets, close them and check all water connections for possible leaks. **NEVER OPERATE THE WATER HEATER WITHOUT FIRST BEING CERTAIN IT IS FILLED WITH WATER.**

IMPORTANT

If this water heater is installed in a closed water supply system, such as the one having a back-flow preventer, check valve, pressure reducing valve, or water meter with check valve in the cold-water supply, provisions shall be made to manage thermal expansion. DO NOT operate this water heater in a closed water supply system without proper provisions. A properly sized and properly installed thermal expansion tank and/or other device(s) must be installed. Work with your installation professional, your water supplier, or local plumbing inspector on how to properly manage this situation. Warranties do NOT cover damages from thermal expansion, such as pressure bulges and/or deformities.

⚠ WARNING

For protection against excessive temperatures and pressure, install temperature and pressure protective equipment required by local codes, but not less than a combination temperature and pressure relief valve certified by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment or materials, as meeting the Requirements for Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems, ANSI Z21.22, and the Standard CAN1-4.4 Temperature, Pressure, Temperature and Pressure Relief Valves and Vacuum Relief Valves. The combination temperature and pressure relief valve shall be marked with a maximum set pressure, not to exceed the maximum working pressure of the water heater. The combination temperature and pressure relief valve shall also have an hourly rated temperature steam BTU discharge capacity not less than the hourly input rating of the water heater. Install the combination temperature and pressure relief valve into the opening provided and marked for this purpose on the water heater

Note: Some models may already be equipped or supplied with a combination temperature and pressure relief valve. Verify that the combination temperature and pressure relief valve complies with local codes. If the combination temperature and pressure relief valve does not comply with local codes, replace it with one that does. Follow the installation instructions above on this page.

Install a discharge line so that water discharged from the combination temperature and pressure relief valve will exit within six (6) inches *(15.3 cm)* above, or any distance below the structural floor and cannot contact any live electrical part. The discharge line is to be installed to allow for complete drainage of both the temperature and pressure relief valve and the discharge line. The discharge opening must not be subjected to blockage or freezing. **DO NOT** thread, plug or cap the discharge line. It is recommended that a minimum of four (4) inches *(10.2 cm)* be provided on the side of the water heater for servicing and maintenance of the combination temperature and pressure relief valve.

Do not place a valve between the combination temperature and pressure relief valve and the tank.

⚠ CAUTION

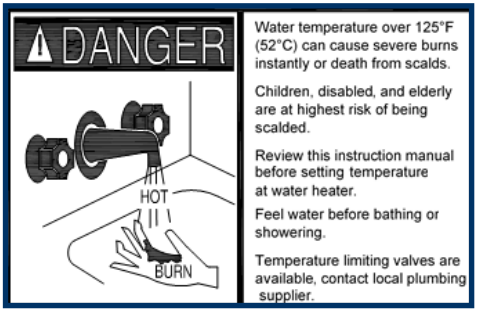
INCREASING THE THERMOSTAT SETTING ABOVE THE "HOT" POSITION MAY CAUSE SEVERE BURNS AND CONSUME EXCESSIVE ENERGY. HOTTER WATER INCREASES THE RISK OF SCALD INJURY.

Water Connections continued-

⚠WARNING

Hydrogen gas can be produced in a hot water system served by this water heater that has not been used for a long period of time (generally two weeks or more). **Hydrogen gas is extremely flammable.** To reduce the risk of injury under these conditions, it is recommended that the hot water faucet be opened for several minutes at the kitchen sink before using any electrical appliance connected to the hot water system. If hydrogen is present, there will probably be an unusual sound such as air escaping through the pipe as the water begins to flow. There should be no smoking or open flame near the faucet at the time it is open.

This water heater can deliver scalding temperature water at any faucet in the system. Be careful whenever using hot water to avoid scalding injury. Certain appliances, such as dishwashers and automatic clothes washers, may require increased temperature water. By setting the thermostat on this water heater to obtain increased temperature water required by these appliances, you may create the potential for scald injury. To protect against injury, you should install an ASSE approved mixing valve in the water system. This valve will reduce point of discharge temperature by mixing cold and hot water in branch supply lines. Such valves are available from the manufacturer of this water heater or a local plumbing supplier. Please consult with a plumbing professional.



Approximate Time/Temperature Relationships in Scalds	
120°F *(49°C)*	More than 5 minutes
125°F *(52°C)*	1 1/2 to 2 minutes
130°F *(54°C)*	About 30 seconds
135°F *(57°C)*	About 10 seconds
140°F *(60°C)*	Less than 5 seconds
145°F *(63°C)*	Less than 3 seconds
150°F *(66°C)*	About 1 1/2 seconds
155°F *(68°C)*	About 1 second

Upright Models (See Figures 1 & 2)

The hot and cold-water connections are identified on the top of the water heater (See figure 1). For bottom inlet models, the cold-water inlet is located on the side of the drain valve (see figure 2). Connect the hot and cold-water lines to the installed nipples using unions. Install a listed temperature-pressure relief valve in the opening on the side of the water heater.

Water Connections continued-

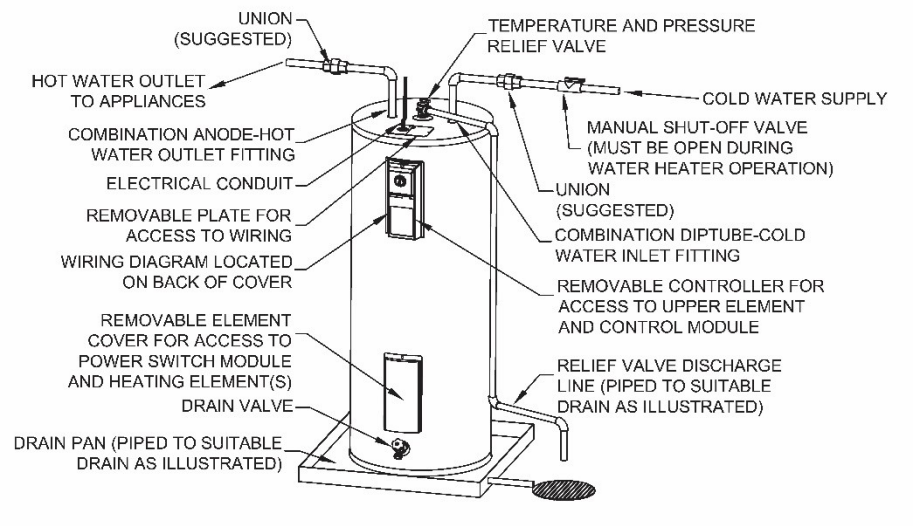


Fig. 1 **Top Inlet Models**

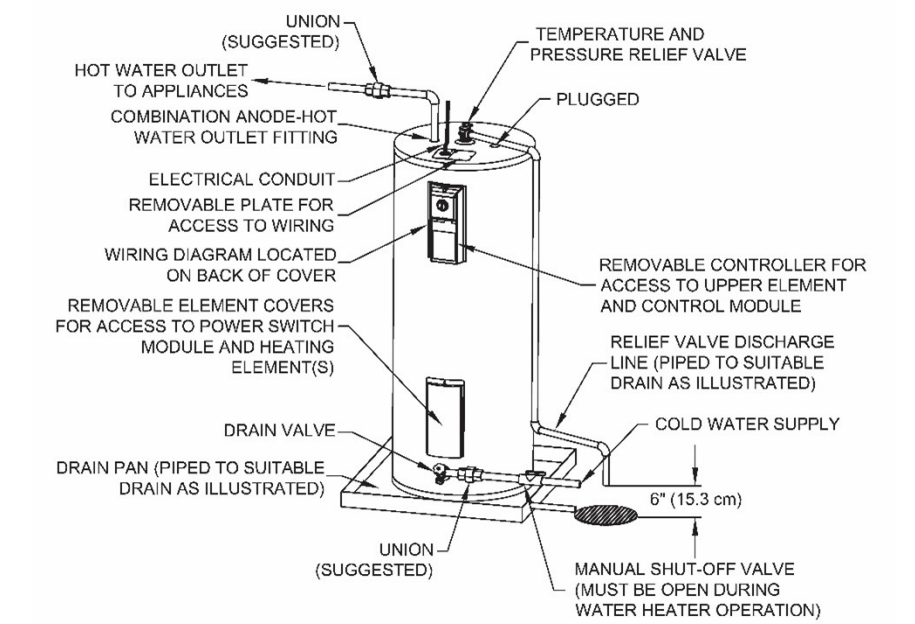
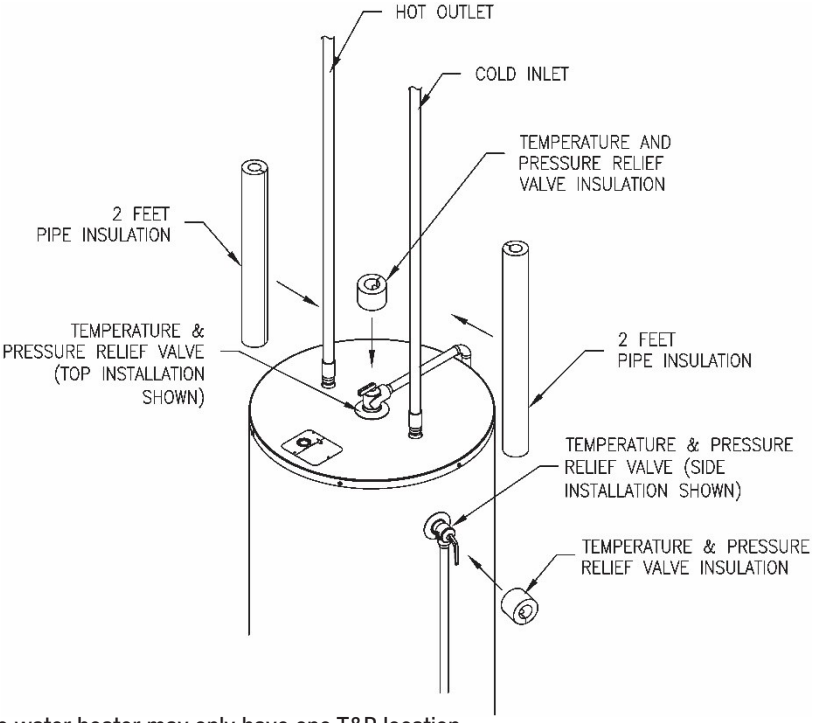


Fig. 2 **Bottom Inlet Models**

INSTALLATION INSTRUCTIONS FOR INLET/OUTLET PIPE INSULATION & TEMPERATURE/PRESSURE RELIEF VALVE INSULATION

1. If included, install 2 ft. pipe insulation over both cold and hot outlet pipes.
2. If included, install temperature & pressure relief valve insulation over temperature & pressure relief valve.



Note: The water heater may only have one T&P location.

Lowboy Models (See Figures 3 & 4)

The hot and cold-water connections are identified on the top of the water heater (See figure 3). For bottom inlet models (-503 models), the cold-water inlet is located on the side of the drain valve (see figure 4). Connect the hot and cold-water lines to the installed nipples using unions. Install a listed temperature-pressure relief valve in the opening on the side of the water heater.

Water Connections continued-

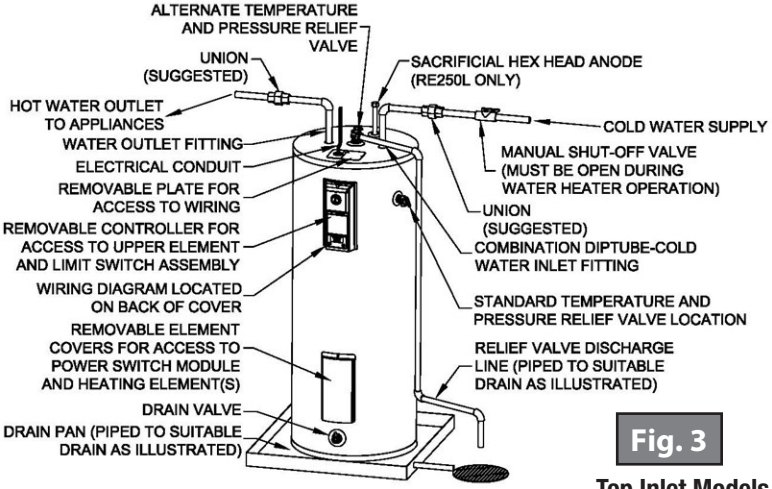


Fig. 3

Top Inlet Models

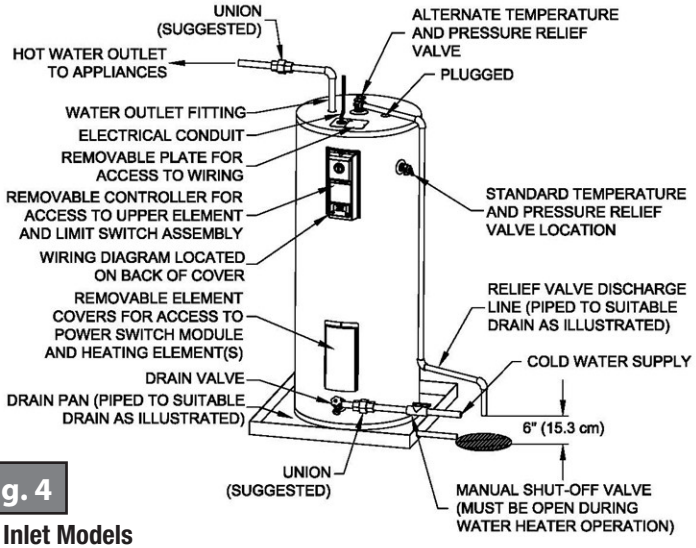


Fig. 4

Bottom Inlet Models

Electrical Connections

Before any electrical connections are made, be sure that the water heater is full of water and that the manual shut-off valve in the cold-water supply line is open. Check the rating plate and wiring diagram before proceeding. This electric water heater was built and wired in accordance with the UL testing approvals requirements. The temperature limiting device is of the manual reset, trip-free type and has been factory installed to interrupt all ungrounded power supply conductors in the event of thermostat failure. Controller, temperature sensors, and Power Switch Module are wired in accordance with the wiring diagram fastened to the inside of the controller cover. Consult your local power company to determine the correct electrical hook-up in order to meet local utility and building codes and in order to obtain the most economical rates. Also check to find out if you are required to obtain a permit before starting the installation. The following chart shows the recommended fuse size for the maximum water heater wattage. The maximum wattage and rated voltage are shown on the water heater data plate. The water heater must be well grounded. A green ground screw is provided at the electrical connection point for connecting a ground wire.

Recommended Fuse size			
Max. Watts	**Voltage**		
	120v	**208v**	**240v**
1000	15A	10A	10A
1250	15A	10A	10A
1500	20A	10A	10A
2000	25A	15A	15A
2500	30A	15A	15A
3000	35A	20A	20A
3500	---	25A	20A
4000	---	25A	25A
4500	---	30A	25A
5000	---	30A	30A
5500	---	---	30A
6000	---	---	35A

⚠ WARNING

The water heater **MUST** be well grounded. Use the green ground screw provided at the electrical connection point for connecting a ground wire.

GENERAL OPERATION

⚠ CAUTION

Before turning power on to the water heater, make certain that the water heater is completely filled with water and that the cold-water inlet valve is open. Complete or partial failure of the heating element(s) may result if they are not totally immersed in water at all times. Failure of the element(s) due to dry-firing is not covered by warranty.

TO FILL THE WATER HEATER

1. Close the water heater drain valve (if provided) by inserting a standard flat head screwdriver into the slot and turning clockwise.
2. Open the cold-water supply shut-off valve.
3. Open several hot water faucets to allow air to escape from the system.
4. When a steady stream of water flows from the faucets, the water heater is filled. Close the faucets and check for water leaks at the water heater drain valve, combination temperature and pressure relief valve and the hot and cold-water connections .

When power is first applied to the water heater, it will wait to enter a mode called StartGuard™. The control will enter StartGuard™ only if the Setpoint Knob is moved after power is applied and set to a temperature that calls for the heating elements to turn on. StartGuard™ will test to ensure the tank is full of water and the elements are functioning correctly. The operation of the water heater is then automatic. It is recommended to set the temperature to the "HOT" setting to provide a water temperature of approximately 120°F *(49°C)* to reduce the risk of scald injury.
Care must be taken whenever using hot water to avoid scalding injury. Certain appliances require high temperature hot water (such as dishwashers and automatic clothes washers).

All units will leave the manufacturer set no higher than 125°F *(51.7°C)* per UL 174 (for US models) and set at 140°F *(60°C)* per CSA C22.2 No. 110 (for CAN models).

⚠ CAUTION

Scalding may occur within five (5) seconds at a temperature setting of 140°F *(60°C).*

TO DRAIN THE WATER HEATER

Should it become necessary to completely drain the water heater, make sure you follow the steps below:

1. Disconnect the power supply to the water heater. Consult the plumbing professional or electric company in your area for service.
2. Close the cold-water supply shut-off valve.
3. Open the drain valve (if provided) on the water heater by inserting a standard flat head screwdriver into the slot and turning counterclockwise. The drain valve has threads on the end that will allow connection of a standard hose coupling. For those models not equipped with a drain valve, disconnect cold water inlet piping at a convenient connection location as close to an adequate drain as possible. **CAUTION! THIS WATER MAY BE HOT.**
4. Open a hot water faucet to allow air to enter the system.

To refill the water heater, refer to "TO FILL THE WATER HEATER."

Thermostat Adjustment-– ICON E™ Electronic Control

The temperature of the water can be changed by adjusting the Setpoint Knob on the controller. The temperature setting of 120°F (see below) is recommended. The inverted triangle beneath the "HOT" temperature setpoint on the control represents 120°F which is the recommended temperature setting of the water heater.

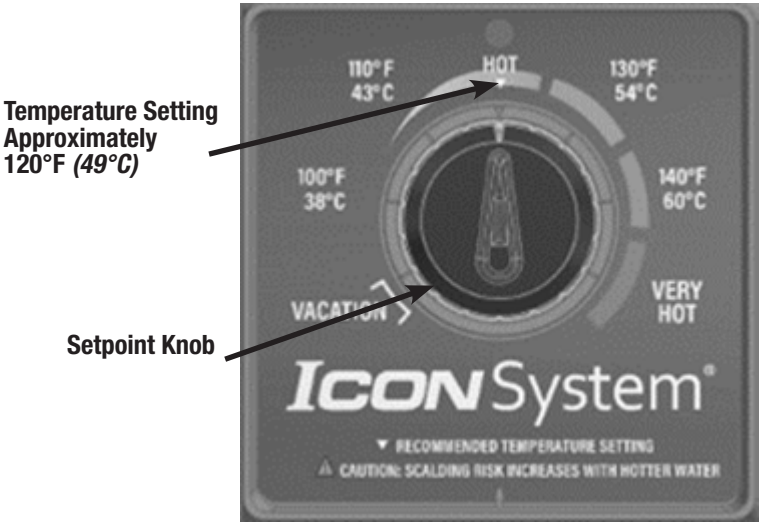


Fig. 5

⚠ CAUTION

Hotter water increases the risk of scald injury. Scalding may occur within five (5) seconds at a temperature setting of 140°F *(60°C)*. To protect against hot water injury, install an ASSE approved mixing valve in the water system. This valve will reduce point of discharge water temperatures by mixing cold and hot water in branch water lines. A licensed plumbing professional or local plumbing authority should be consulted.

Note: This water heater is equipped with an energy cut out device to prevent overheating. Should overheating occur, turn off the electrical supply to the water heater and contact a qualified service technician.

Troubleshooting – ICON E™ Electronic Control

LED Status	Control Status	Probable Cause
OFF (LED not flashing)	No power is present to control	1. Power is not connected to water heater. 2. Control power connector is disconnected.
Alternating Green and Amber Flashes	Control is in StartGuard™ mode. This mode runs prior to first heating cycle or after replacing a failed heating element.	Power was recently applied following detection of a failed heating element OR the water heater is powered and is turning on heating elements for the first time by a new controller. If this LED status persists for significantly longer than 5 minutes, there may be air in the tank or the control may be damaged
Solid Green	Thermostat satisfied: No faults	Water heater is operating normally.
1 Flash Green then off for 4 seconds	Element is on, heating water	Water heater is operating normally.
2 Flashes Amber then off for 4 seconds	Heating fault detected	Lack of temperature rise. See service manual for more information.
3 Flashes Amber then off for 4 seconds	Power Switch Module Fault Detected	1. PSM is not tightly coupled to tank wall. 2. PSM is not functioning correctly.
4 Flashes Amber then off for 4 seconds	Temperature Sensor Fault Detected	1. Upper Temperature 2. Sensor is disconnected. 3. PSM is disconnected. 4. Upper temperature sensor is not functioning.
5 Flashes Amber then off for 4 seconds	Controller Fault Detected	Controller not functioning properly
6 Flashes Amber then off for 4 seconds	Demand Response Event Active	The CTA device connected to the water heater is controlling the setpoint. If you find that the tank is too cold, move the Setpoint Knob and the control
7 Flashes Red then off for 4 seconds	High Temperature Detected	Upper or lower temperature sensor has detected an excessive temperature.

⚠WARNING

The CTA connector has live line voltage powered pins. Power off water heater before installing CTA Universal Communication Module (UCM).

CTA 2045 (For Applicable Models)

Some controls are equipped with a CTA 2045 port which enables the ICON E™ system to communicate with a Universal Communication Module (UCM). Your local electrical utility provider may offer a Demand Response Management (DRM) program that allows your provider to offload power into your water heater or to temporarily delay the recovery of the water heater in order to help regulate demands on the power grid. This system, if used, will interact with your water heater in one of two ways. First is the Load-Up command, which will make sure that your water heater fully recovers to setpoint. Second, it can issue a Load Shed command. A Load Shed command may cause the water in the tank to cool off more than it normally would before recovering, potentially resulting in less available hot water. You will be able to tell if the water heater is operating in a Load Shed command by looking at the status LED. If you see a flash pattern of 6 amber flashes followed by a 4 second off period, the control is operating under a Load Shed command. If this performance is undesirable and you would like to temporarily disable it, move the Setpoint Knob to some other temperature and then return it to the desired setpoint. This will allow the water heater to operate normally for 72 hours.

DRM programs offered by electric utility providers typically require that the water heater have a setpoint temperature of 140°F or higher. Water temperatures of 140°F and above will scald in five seconds or less, causing severe burns or even death. It is highly recommended that an ASSE approved thermostatic mixing valve be installed when operating a water heater at these higher temperatures!

Note: When a mixing valve is installed, the temperature of the hot water delivered to the home is determined by the mixing valve. If the hot water temperature is inadequately low, check the mixing valve first. There is a setpoint adjustment mechanism on all mixing valves that adjusts the blend of hot water (from the water heater) and cold water (from cold water pipes) that results in the hot water temperature delivered to the hot water distribution pipes. If hot water at the tap is too cool, check and adjust the mixing valve to a hotter setpoint. If water from the water heater is hot and the delivered hot water at the tap is cold, the mixing valve is likely the cause.

Installation of CTA Module:

1. Turn off power to water heater
2. Remove CTA connector cover by removing the screws that attach the cover.
3. Plug UCM device into the CTA Port and attach to the water heater via screws provided with the UCM
4. Apply power to the water heater

MAINTENANCE

IMPORTANT

The water heater should be inspected at a minimum interval of annually by a qualified service technician for damaged components. **DO NOT** operate this water heater if any part is found damaged.

Shut off the electric power whenever the water supply to the water heater is off. Shut off the electric power and water supply, drain the water heater completely to prevent freezing whenever the building is left unoccupied during the cold weather months. To ensure efficient operation and long tank life, drain the water heater at least once a month through the drain valve until the water runs clear. Failure to do this may result in noisy operation and lime and sediment buildup in the bottom of the tank. Check the temperature-pressure relief valve to ensure that the valve has not become encrusted with lime. Lift the lever at the top of the valve several times until the valve seats properly without leaking and operates freely.

⚠WARNING

When lifting lever of temperature-pressure relief valve, hot water will be released under pressure. Be certain that any released water does not result in bodily injury or property damage. The anode rod should be inspected periodically and replaced when necessary to prolong tank life.

The following maintenance should be performed by a qualified service technician at the minimum periodic intervals suggested below. In some installations, the maintenance interval may be more frequent depending on the amount of use and the operating conditions of the water heater. Regular inspection and maintenance of the water heater will help to insure safe and reliable operation.

1. Annually, check electrical connections at screw terminals for any sign on overheating. Tighten screws if necessary. the operation of the thermostat(s).
2. Bi-annually, check the seal around the heating elements for leaks. If there is any sign of leaking, disconnect the power supply to the water heater and contact the plumbing professional that installed this water heater or a qualified service technician.
3. At least once a year, check the combination temperature and pressure relief valve to ensure that the valve has not become encrusted with lime. Lift the lever at the top of the temperature-pressure relief valve several times until the valve seats properly without leaking and operates freely.

⚠WARNING

When lifting lever of temperature-pressure relief valve, hot water will be released under pressure. Be certain that any released water does not result in bodily injury or property damage.

4. If the combination temperature and pressure relief valve on the appliance discharges periodically, this may be due to thermal expansion in a closed water supply system. Contact the water supplier or local plumbing inspector on how to correct this situation. Do not plug the combination temperature and pressure relief valve outlet for any reason.
5. Monthly, drain off a gallon of water from the drain valve to remove silt and sediment.

Maintenance continued-

⚠ WARNING

THIS WATER MAY BE HOT.

6. A combination sacrificial anode rod/hot water outlet nipple has been installed to extend tank life. The anode rod should be inspected periodically (every 2 years) and replaced when necessary to prolong tank life. Water conditions in your area will influence the time interval for inspection and replacement of the anode rod. Contact the plumbing professional who installed the water heater or the manufacturer listed on the rating plate for anode replacement information. The use of a water softener may increase the speed of anode consumption. More frequent inspection of the anode is needed when using softened (or phosphate treated) water.

⚠ CAUTION

For your safety, do not attempt to repair thermostat, limit switch, power switch module, heating elements, or electrical wiring. Refer such repairs to a qualified service technician.

Contact your local plumbing supplier or plumbing professional for replacement parts or contact the company at the address displayed on the rating plate of the water heater.

For faster and better service, please provide the part name, model, and serial number(s) of the water heater(s) when ordering parts.

READ THE WARRANTY FOR A FULL EXPLANATION OF THE LENGTH OF TIME THAT PARTS AND THE WATER HEATER ARE WARRANTED.

This product is covered under one or more of the following patents and or patent pending applications:

CA2,430,807 CA2,844,271 EP1369647 GB1369647 NL1369647 TWI276761 US7,559,293 US7,900,589 US7,007,748 CA2,476,685 US7,063,132 CA2,409,271 US6,684,821 US7,337,517 US7,665,211 US7,665,210 US7,699,026 CA2,504,824 US6,935,280 AU2007201423 CA2,583,609 EP1840484 GB1840484 NL0840484 US7,634,976 US7,270,087 US7/621,238 US7,334,419 US7,866,168 CA2,491,181 US7,063,133 CA2,677,549 US8,082,888 AU2007201424 CA2,583,108 EP1840481 GB1840481 NL1840481 CA2,659,534 US7,971,560 US7,992,526 US8,146,772 US8,707,558 CA2,548,958 MX243220 US6,422,178 TWI649522 US9,429,337 CA3,001,716 GB2558134 GB2013252.8 US10,866,010 US17/109,618 US10,503,183 US20/42096 CA2,949,830 DE112015002523.5 GB2540513 US9,574,792 US15/436,425 CA3,059,965 EP18784108.5 MX/a/2019/012268 US15/486,816 US17/038,087 US7,007,316 US7,243,381 CA2,784,312 US8,787,742 DE112014002713.8 GB2533862 US9,964,241 US6,644,393 US8,851,022 USD636,857 US8,931,438 CA2,899,271 US10,495,343 CA2,918,211 US10,094,619 US15/621,063 US16/474,833 US16/281,599

Complete the following information and retain for future reference:

Model No: _____

Serial No: _____

Service Phone
Days: _____Nights: _____

Address: _____

Supplier: _____

Supplier Phone
No: _____

Notes

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