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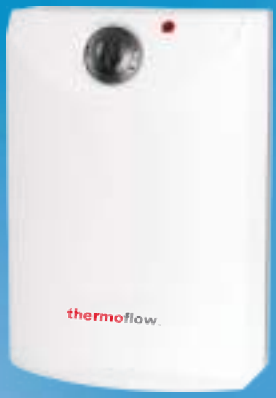
Electrical Mini Tank Water Heater

Installation Guide, User Manual, and Warranty Information



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Electric Mini Tank Water Heater

2.6 Gals

IMPORTANT SAFETY INFORMATION

A SAFETY VALVE MUST BE USED FOR PROPER INSTALLATION!

As this water heater has a hot water reservoir, natural expansion of the contents will occur. A safety valve must be used for installation in case there is too much expansion, which would result in damage to the unit or personal injury. Safety valves allow for excess pressure relief, directing it harmlessly into your drain system instead of allowing it to dangerously build up inside of your water heater.

Safety valves are available at most specialty plumbing supply shops.

FROST
This is the equivalent of “vacation mode”. Leave the power supply on and set the thermostat knob to. * When set to this position, the device maintains the water temperature at approximately 45°F /7°C to keep it above freezing without expending much energy. If the device is to be disconnected from the power supply, it must be emptied completely in order to avoid the risk of damage caused by freezing.

DO NOT remove the heater cover or open the unit without first turning off the power at the breaker panel. This could cause death or injury.

Please be sure to go to

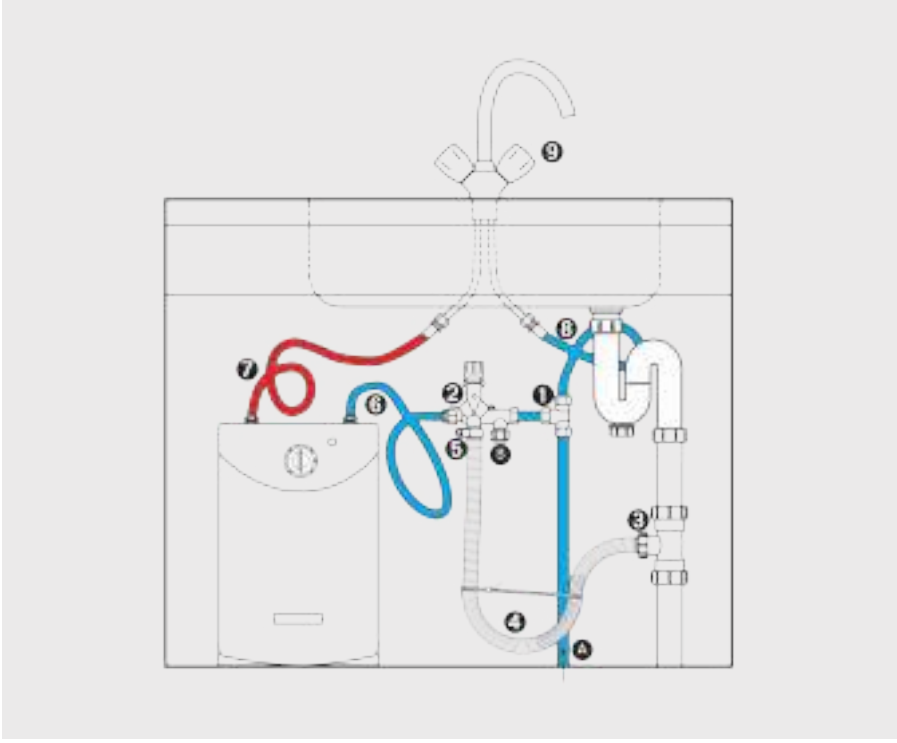
to activate the warranty on your tankless water heater!

IMPORTANT INSTALLATION INFORMATION*

- DO NOT install heater in a location where there is a potential for freezing.
- BEFORE you connect the device to the electrical supply the device must be filled with water

* For full installation see pages 2 and 3.

INSTALLATION DIAGRAM & KEY



INSTALLATION DIAGRAM KEY (Only 2.6 Gallon Tank and two ½" brass bushings included in Purchase)

1. ½" Tee.
2. Safety valve set at 116 PSI with funnel.
3. Reducing Tee 1 ½"x 1 ½" x 1".
4. Flexible plastic hose, 1" diameter.
5. Hose clamp.
6. Metal braided flexible hose.
7. Metal braided flexible hose Metal braided flexible hose Faucet.

A. Cold water supply pipe.
S. Stop valve of the safety valve.

INSTALLATION – ELECTRICAL

- Refer to Installation Diagram on page 2 for required hardware and General assembly. Any other installation position may result in serious damage to the appliance. Installation should take place as close as possible to a cold water connection. **The product should be protected from the effects of frost (For example if installed in RVs or summer homes)**

  Note: When tightening swivels and compression connections always use 2 open end wrenches in order to prevent bending and twisting pipes and accessories.

- After installing unit in accordance with step 1 above, fill the unit with water prior to connecting to a power supply.

- Connect device to electricity by inserting plug into an available wall socket. The device must be directly connected to an outlet power supply of 120V via an electrical cable or plug.

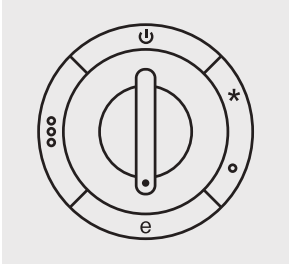
  Note: Connection of the device to the power supply must be made in accordance with the NEC and as specified by local laws and regulations.

- When powering up for the first time, please verify that the temperature indicator light turns off when the set temperature is reached (see operating instructions on page 4 for setting the temperature).

  Note: The device is completely filled if water flows out of the hot water tap. The device will only switch on again if the temperatures falls below the temperature setting.
  Note: When filling for the first time, the hot water handle on the faucet must be open so that water can flow into the device. If the device is not filled with water during installation, the automatic safety device will activate and switch off the device.

OPERATING INSTRUCTIONS

Thermostat



Thermostat (Operating Setting)

⏻	Cold; heater is switched off.
*	Automatic frost protection active; the device switches on if the water temperature falls below 45°F / 7°C.
o	Water temperature has risen by approx. 77°F / 25°C.
e	Energy-saver mode/reduced energy consumption: Greater energy savings are possible if the water temperature is set to a maximum of +/-131°F (+/-55°C). This also reduces the risk of damage to the device.
ooo	Water temperature is +/-165°F (+/-75°C).

Note: Use table above to keep unit at desired temperature levels

TROUBLE SHOOTING

Note: In the event of the unit shutting down due to being connected to a power source prior to being filled with water perform the following steps:

- Unplug the unit and the let unit cool down for a minimum of 20 minutes.
- Fill the unit with water after the cool down period.
- Press the 'RESET' button at the back of the unit.

Note: White substance in water means there is too much scale deposit in tank. This requires the unit being disassembled and drained.

Note: Grey or brown substance in water indicates the internal magnesium anode has dissolved (see Maintenance section for more info)

MAINTENANCE

- This device does not require any maintenance by the user. **Repairs should always be carried out by a licensed contractor.**
- A service inspection should be performed every year. Descaling of the device during this inspection is highly recommended, especially if you live in an area with hard water. Higher termperature water will intensify calcification. It is therefore recommended to set the device at a maximum of 131°F in areas with extremely hard water.
- Clean the unit housing with a damp cloth. Do not use harsh chemicals or abrasives.
- After extended vacation or non-use device should be run at maximum temperature (tap at minimum flow) before reusing. Pipes should be flushed for one minute.
- The magnesium anode protects the tank against corrosion. This is a cathodic process, during which the anode slowly dissolves. The anode should therefore be inspected and replaced if necessary , by a licensed plumber every two years.
- Check the drain for blockages. If blocked, unblock the drain or call a licensed contractor.

TECHNICAL SPECIFICATIONS

Description	**2.6 Gallon Water Heater**
Mounting	**Under-sink**
Wall Mounting	**Vertical**
Operating Ressure	**90 PSI**
Temperature Range	**45-165° F**
Nominal Voltage	**110-120 V**
Frequency	**60 Hz**
Nominal Capacity	**1500 W**
Nominal Volume	**2.6 Gallons**
Maximum Recommended Volume	**2.6 GPM**
Water Connection	**1/2" NPT**

REMARKS

- This appliance can be used by children and persons with reduced physical, sensory or mental capabilities if they are supervised during use of the appliance, and understand the hazards involved.
- The unit must be installed to independent breaker as per electrical diagram.
- Do not let children play with the unit.

WARRANTY CONDITIONS:

The claiming of rights under this warranty shall be subject to the submission of the respective proof of purchase. The warranty shall be valid for 24 months. The warranty period shall commence on the day on which the product is purchased. Warranty services provided shall neither prolong the warranty period nor initiate a new warranty period. This warranty shall not cover errors due to improper installation or incorrect usage, incorrect operating conditions, or improper maintenance or repair work. Normal wear and tear such as lime scaling shall also be excluded under this warranty. The warranty will not be valid if the problem is caused by extreme values of drinking water (pH value not between 7 and 9.5 and/or Cl above 150 mg/l and/or Fe above 0.2mg/l). Attempted repairs carried out by the customer or third party that are not authorized by SUMEC shall invalidate the warranty. The same shall apply if parts are installed in the product or connected to the product that are not the original parts from SUMEC. This warranty shall not include compensation, withdrawal from agreement, reduction in price or reimbursement for loss due to defects.

2.6 Gals

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