

Electric Immersion Baptistry Water Heater

Models IM120V (120 volts) & IM240V (240 volts) Single Phase

READ THIS MANUAL BEFORE OPERATION



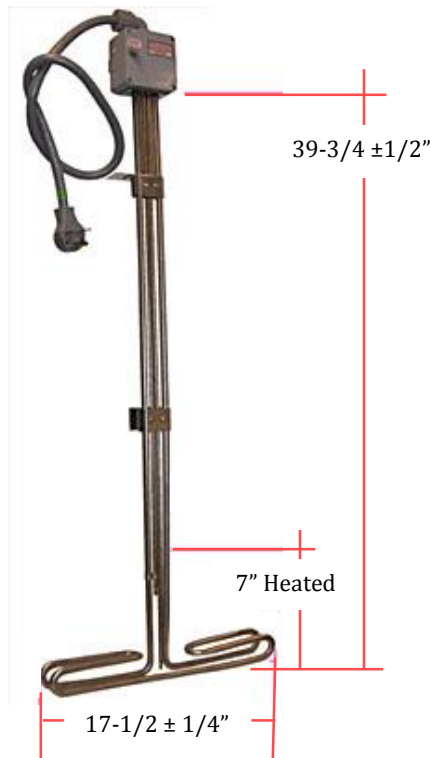
IMPORTANT SAFETY INFORMATION

Warning: Hazard of Severe Electric Shock or Electrocution



- Installation must be grounded to earth.
- Heaters without GFCI on the cord set must be connected to line input through a properly sized GFCI circuit breaker.
- There should be no bodily contact with the water while the heater is in the water.
- Under NO circumstances should this heater be turned on unless the tank or baptistry is full of water.

Design Features



- Immersion section of heater is made of 316 stainless steel
- All heat is confined to the formed horizontal section for optimum efficiency
- Cold riser extends to the top of container where control housing is located
- 3-Conductor cord set with polarized plug (cord length is 60")
- Adjustable vapor-proof thermostat control with range from 55° to 115° F (+/-3°)
- High-limit cut off switch set 125 degrees F (+/-4°)
- Stainless steel mounting bracket included for easy mounting
- Must be used in a minimum of 24" of water
- Pilot light and on-off switch provided
- One year manufacturer's warranty against defects

Baptistry Heat-Up Times

IM120V: will heat 25 GPH (30°F Temperature rise). A 100 gallon baptistry can be heater in 5 to 8 hours, or one-half this time with a 15 degree temperature rise.

IM240V: will heat 90 GPH (30°F Temperature rise). On average, the 240V heater can heat a 750 to 1,000 gallon baptistry in 9 to 11 hours, or one-half this time with a 15 degree temperature rise. The IM240V heater can operate on 120 volts, however, the power will be reduced.

For optimal heating, a baptistry cover is strongly recommended during the heating process. For more information, please visit our website: www.baptistrycovers.com

Installation and Operating Instructions

NEVER TURN HEATER ON UNLESS BAPTISTRY IS FULL OF WATER!

1. Fill baptistry with water to required level. The water level must be at least 12" below the control box. **THE CONTROL BOX SHOULD NEVER BE IMMERSSED IN THE WATER.** Also the lower 24" of the heater must be immersed in water when it is turned on or it will overheat and burn out, cause bodily harm, or become a fire hazard. Burned out heaters are not covered by warranty.
2. Mount the heater into the baptistry, securing it using the brackets provided (see illustration on back) with the heater unit. The unit can be mounted in the middle, end or side of the baptistry. The heater must be securely mounted to prevent the electrical box from making contact with the water.
3. Plug the heater into the correct receptacle (see wiring diagram on the back) and set the desired baptistry temperature on the thermostat dial. The signal light glows only when the heating element is energized. When the desired temperature is reached the signal light will be off.
4. **CAUTION:** Prior to the baptismal service the baptistry heater must be turned off, unplugged and removed from the baptistry. This will guarantee protection from the danger caused if an electrical short circuit were to occur in the heaters electrical system.

Instructions for Removing the Heater from the Baptistry Water:
REMOVE THE IMMERSION HEATER BEFORE ENTERING THE BAPTISTRY

1. Turn the thermostat off (Shown as LO on the dial).
2. Unplug the heater from the electrical source.
3. Wait at least 2 minutes before removing the heater from the baptistry, allowing the heating elements to cool.
4. After the removal of the heater you can then drain the baptistry. **DO NOT DRAIN BEFORE REMOVAL.**

MAINTENANCE SCHEDULE:

CHEMICAL USE:

Overheating of the elements can happen due to minerals being built up. To remove these minerals, simply wipe the heating rods of the heater down with normal household white vinegar. This should be done every 90 days. The immersion heaters alloy should never come into contact with any alkaline solutions such as Chlorine or Bromine.

CAUTION:

Under NO circumstances should this heater be turned on unless the system is full of water. Without water the heater rod can burn out quickly and also damage the thermostat control. The warranty is void under these circumstances and we will assume no responsibility for damage to the heater, associated equipment or other damages.

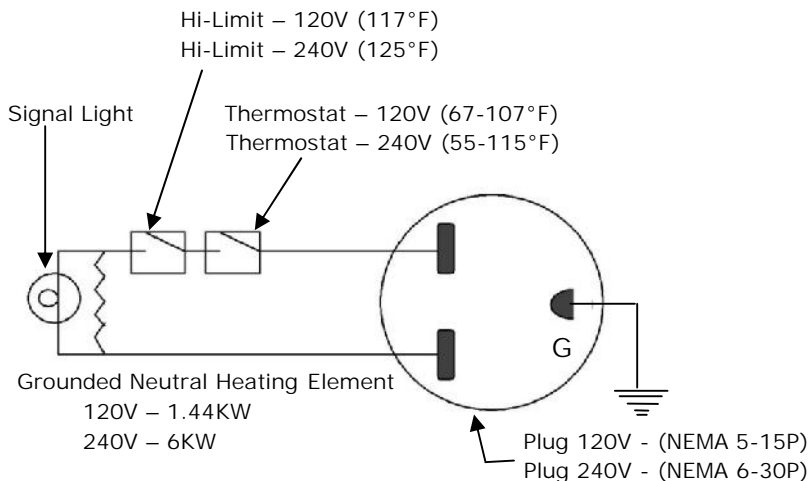
HI-LIMIT:

If the thermostat should fail and its contacts stick in a closed position, the heating element will continue to heat the baptismal water to about 117 degrees F (120V model) and 125 degrees F (240V model). At this temperature the Hi-Limit will open and turn the heating element off. After repairing or replacing the thermostat the Hi-Limit can be manually reset.

WARRANTY:

The entire heater is covered for one year against manufacturing defects. Customer tampering, including misuse, using the heater without first immersing it in water, failing to use a GFCI protected outlet, or failing to follow the normal maintenance schedule, voids the warranty.

Wiring Diagram - 120V and 240V Heaters



IMPORTANT

Before using the heater, the mounting bracket must be installed properly to ensure that the heater sits over the side of the baptistry correctly (as shown above).



Questions? Call ChurchRite at 540-238-2088