

# *Little Giant Manufacturing Co, Inc.*

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Proudly Serving Our Customers Since 1904

## **Operation Instructions for Hotomatic Gas Water Heaters**

**\*\*\*\*\*Failure to follow these instructions could result in damage to your heater, a fire, and/or injury\*\*\*\*\***

1. Hook heater to LP gas supply tank with certified LP gas hose with regulator. The hookup is on the left side of the Unitrol gas valve. **\*\*Make sure the Unitrol gas valve is in the OFF position.\*\*** You should also make sure you are not smoking, and there are no open flames or sparks within 20 feet of the vehicle.
2. Turn on the gas on the tank and check to ensure there are no gas leaks. You can use a spray bottle with soapy water mix to spray on the joints where your fittings are. If you see bubbles, you have a leak.
3. Make sure the pressure relief valve is installed into the  $\frac{3}{4}$ " female "HOT" water outlet on the back side of the heater. **ATTENTION: Use of this heater without a pressure relief valve voids your warranty and could cause damage to your heater and/or result in severe injury.**
4. Hook your wand into the "HOT" water outlet where the pressure relief valve is.
5. Hook the cold water supply to the  $\frac{1}{4}$ " male nipple at the top of the heater.
6. Turn on water, check for leaks, and double check to make sure coil is full. Failure to do so could cause a dry-fire situation on your coil, which will ruin your heater coil and could cause a rupture. A dry-fire is running your heater without water in the coil, which softens the metal and voids your warranty.
7. Once the heater is full of water, you may turn the Unitrol gas valve to the "PILOT" position to ignite the pilot flame. You will then need to push the plunger down numerous times and hold it down on the last time to purge any air out of the lines.
8. While holding the plunger down, you will then push the spark igniter down numerous times until you can see the pilot flame ignite. Keep holding the plunger down for 10-15 seconds so the pilot flame will heat up the thermocouple. You may then release the plunger, and the pilot flame should stay on. **IMPORTANT:** If the pilot flame does not light on the initial try, or goes out when you release the plunger, wait 5 minutes so that any built up gas will dissipate and reduce the risk of an explosion. After 5 minutes, start again at #7.
9. Once the pilot flame is lit, you may then turn the on/off/pilot valve to the "ON" position and set the thermostat to the desired temperature range. **AT THIS**

**POINT, DOUBLE CHECK TO MAKE SURE YOUR WATER SUPPLY IS ON!!!** The heater should then fire its main burner and heat until the desired temperature is reached. Once the temperature is reached, the main burner will shut off and the heater will go into a standby mode with the pilot flame still burning. If the pilot flame should ever go out, do not attempt to relight it for at least 5 minutes to allow dissipation of any built-up gas inside the heater.

- 10.** If you ever smell rotten eggs, this is a sure sign you are leaking propane gas or have a build-up of gas in the immediate area. **STOP WHAT YOU ARE DOING AND TURN THE GAS VALVE OFF ON YOUR LP TANK.**
- 11.** These heaters are designed to run 600psi max unless you have the high-pressure coil, which has the capacity of 1400psi max. Running a psi higher than the recommended specs for your heater, even once, can result in a coil rupture and is NOT covered under warranty. We will know if you do, so don't...
- 12.** These heaters have the capacity of heating the water to 180+ degrees F, please take any and all precautions to protect yourself, and your equipment, by following these instructions.

For any questions or assistance in the hookup of your heater, please call us at 800-231-6035 and ask for technical assistance. Don't assume anything, and when in doubt call!!!