



Model Number: AX43HP

Little Giant AX43HP 3HT 120000 BTU Propane High Pressure Propane Heater Basic Starter Package \*\*6 MONTH Backorder\*\*

Manufacturer: Little Giant

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#### Description

These high pressure propane heaters are just what you need to get your Truck Mount or portable extractor steamin' like you like it! Just add the bottle and the propane regulator and you are in business. Ready to melt grease, tar, gum, wax, and other heavy traffic lane soil away effortlessly.

High pressure unit is designed for 1300-1500 psi (use 1000psi safety valve) while the standard Little Giant heaters are designed for 600-900 psi. (use 600 psi safety valve)

#### Package Includes

Note the items below are not going to be all the parts you will need to set up your heater but the main parts to start with.

Little Giant Spark Ignitor V-1 for Propane Heaters PLI3

Little Giant: Pressure Relief Valve PR1000 psi

BTU

Little Giant: Pressure Gas Regulator #204-00 for use up to 140,000

Little Giant RHA12 Foot Propane Hose

Little Giant: 3HT 120,000 BTU Propane Heater (High Pressure)

Important Note: It is extremely necessary that the Gas Pressure Regulator used to supply the heater with LP Gas has a capacity rating higher than the consumption of the heater. Too small a regulator will decrease the gas flow, the gas pressure and the amount of hot water produced. The Model #204&shy;00 Regulator is rated at 140,000 BTU/Hr., which is sufficiently sized to supply the gas for Models #1, #2 or #3 Hotomatic&reg; heaters. The Model LV4403C9 Regulator is rated at 575,000 BTU/Hr., which is the model we recommend for the #4 HT Hotomatic. The top water inlet is 1/4" Mip. No pressure hose or 90 degree elbow is provided. If you need a pressure hose or brass fitting to hook up your heater, please let us know.

A gas supply hose that is too small will reduce the flow rate of the LP Gas. This reduces the gas pressure at the burner and the amount of hot water produced. Use a 1/2" I.D. Hose minimum for the #1, #2 or #3 HT Hotomatic heaters. Use a 3/4" I.D. Hose for the #4 HT Hotomatic heater.

We Have Been Making Water Heaters Since 1904. This long tradition of efficient performance is the result of rigid control of manufacturing details and the use of the finest materials and craftsmanship available. Little Giant Water Heaters have proven to be dependable under the true test of constant daily use. They will provide long, care free service and the maximum is satisfaction.

Set Up instructions

Little Giant Set Up Diagram  
Little Giant Use Instructions

Operation Instructions for Hotomatic Gas Water Heaters

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

Install fire extinguisher at every service vehicle door opening.

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  $\frac{1}{2}$ " 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  $\frac{1}{2}$ " 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  $\frac{1}{2}$ " 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  $\frac{1}{2}$ " ON position;

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 1400-1500psi 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... Please note the pressure relief valve is set for 1000 psi so once you set your pressure over 1000psi steam will spray out this relieve valve! Be sure to install a hose from the relief valve discharge to your vacuum tank or under your service vehicle.

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.

#### Related Documents

Hotomatic Instructions  
Hotomatic Operating Setup Diagram  
Hotomatic 2HT Parts List  
Hotomatic 3HT Parts List  
Hotomatic H Parts Breakdown Page 1  
Hotomatic H Parts Breakdown Page 2  
Hotomatic HT Parts Breakdown Page 1  
Hotomatic HT Parts Breakdown Page 2  
Hotomatic Troubleshooting Guide Page 1  
Hotomatic Troubleshooting Guide Page 2

Be sure to check with your local state rules on using propane.

Always store and use propane bottles outside.

Read more about propane use at

<https://www.rrc.state.tx.us/media/8606/homesafehome.pdf>

<https://www.prochemsupply.com/little-giant-propane-water-heater-120-000-btu-ax43hp/>

\$1830 with free shipping

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Availability: This product was added to our catalog on Saturday 28 December, 2013