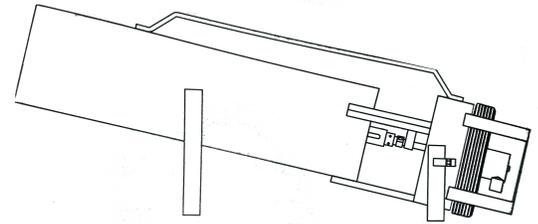

Owner's Manual

burners, inc. S-130 & S-300 Construction Heaters

IMPORTANT – READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THIS HEATER

Equipment Required:

- : S-130 or S-300 Portable Construction Heater
- : ¼" x 6ft LP Gas Hose with 9/16"-18 LH swivel nut hose ends
- : LP Gas Pressure Regulator, Adjustable 3-30 psig
- : Flint type sparker / striker
- : Approved LP Gas storage cylinder, full (100# cap. Recommended)



Tools Required:

- : 7/8" Open end wrench
- : 11/16" Open end wrench
- : Leak test solution

Setup / Installation:

- 1) Ensure that both the S-130 or S-300 portable construction heater and the propane cylinder are located in a safe area, away from all combustibles and hazards. Both the heater and the cylinder must be positioned on level surfaces and free from potential tipping hazards. Ensure the controls operate smoothly and are not damaged or dirty.
- 2) Connect the LP gas pressure regulator to the LP gas (propane) storage cylinder and tighten securely using a 7/8" open-end wrench.
- 3) Connect one end of the ¼" x 6ft LP gas hose to the pressure regulator and tighten securely using an 11/16" open-end wrench.
- 4) Connect the other end of the ¼" x 6ft LP hose to the S-130 or S-300 portable construction heater and tighten securely using an 11/16" open-end wrench.
- 5) Verify that the control knob on the S-130 or S-300 portable construction heater gas inlet connection is turned fully clockwise, to the FULLY CLOSED position.
- 6) Verify that there are no open or concealed sources of ignition present. Slowly open the LP gas storage cylinder supply valve to allow propane pressure to enter into the hose.
- 7) IMMEDIATELY TEST ALL GAS CONNECTIONS using an approved leak test solution. Begin with the connection on the LP gas storage cylinder, the pressure regulator, the entire hose, and the connection on the S-130 or S-300 portable construction heater.
- 8) If any leaks are detected, IMMEDIATELY TURN OFF THE GAS SUPPLY VALVE !!!
- 9) If no leaks are detected, you may proceed to the Lighting & Operations section.

Lighting and Operations:

- 1) Verify that there are no gas leaks present in any part of the system (refer to Setup / Installation section) and the flow control knob located at the gas inlet connection is turned fully clockwise.
- 2) Turn the flow control valve, located at the gas inlet connection of the S-130 or S-300 portable construction heater, ¼ turn counter-clockwise.
- 3) Place the striking / sparking end of the flint-type striker at the outlet of the small brass pilot burner, located inside the burner area, at the back side of the main burner sleeve S-130 or S-300 portable construction heater.
- 4) Begin striking (producing sparks), while the striking end of the flint-type striker located at the pilot burner outlet and fully depress the red safety valve button located on the inside of the S-130 or S-300 portable construction heater. A flame should become present immediately. If no flame is present, release the red safety valve button.
- 5) If a flame is established, continue to hold the red safety valve button for 15 seconds, then release the red safety valve button.

The S-130 or S-300 portable construction heater should now be operating at low output. If no flame is present, go to the trouble-shooting section of this manual.

If flame is present, adjust the flow control knob on the S-130 or S-300 gas inlet connection to achieve the desired flame and heat output.

To discontinue use of S-130 or S-300 portable construction heater, turn OFF the valve on the LP gas supply cylinder and wait 15 minutes before attempting to disconnect or service any part of the system.

Troubleshooting

Verify there are no gas leaks present.

Verify that all connections are tight and secure.

Verify the correct fuel is connected to the system.

Verify that flame is touching the thermocouple inside the flame bowl.

If all troubleshooting points are confirmed correct, the S-130 or S-300 portable construction heater will require service. Service can only be performed by a trained service technician.

DO NOT ATTEMPT TO REPAIR THE S-130 or S-300 PORTABLE CONSTRUCTION HEATER. YOU MAY DAMAGE THE HEATER AND MAY CAUSE SERIOUS INJURIES TO THE HEATER OPERATOR.

IMPORTANT – DO NOT USE THIS HEATER FOR HEATING HUMAN LIVING AREAS.

PROPER VENTILATION AIR MUST BE PROVIDED TO SUPPORT THE COMBUSTION AIR REQUIREMENTS OF THIS HEATER.

IF YOU THINK YOU SMELL GAS:

DO NOT TAKE ANY ACTION THAT COULD IGNITE THE FUEL GAS. DO NOT OPERATE ANY ELECTRICAL SWITCHES. DO NOT PULL APART ANY EXTENSION CORDS. DO NOT LIGHT MATCHES OR ANY OTHER SOURCE OF FLAME. DO NOT USE A SPARK STRIKER. DO NOT USE A TELEPHONE OR CELLULAR PHONE.

GET EVERYONE OUT OF THE AREA IMMEDIATELY.

CLOSE ALL PROPANE GAS TANK OR CYLINDER FUEL SUPPLY VALVES.

PROPANE GAS IS HEAVIER THAN AIR AND MAY SETTLE IN LOW AREAS. WHEN YOU THINK YOU SMELL GAS, OR SUSPECT YOU HAVE A GAS LEAK, STAY OUT OF LOW AREAS.

STAY OUT OF THE AREA UNTIL IT HAS BEEN DECLARED SAFE BY EITHER YOUR FIRE DEPARTMENT OR YOUR PROPANE GAS SUPPLIER.

USE A NEIGHBORS TELEPHONE, AWAY FROM THE GAS LEAK, TO CONTACT YOUR PROPANE GAS SUPPLIER AND YOUR LOCAL FIRE DEPARTMENT. DO NOT RE-ENTER THE AREA OF THE GAS LEAK!

BEFORE YOU USE THIS HEATER, HAVE YOUR FUEL GAS SERVICE PROFESSIONAL CHECK FOR LEAKS IN THE UNIT AND IN THE GAS SUPPLY PIPING OR LINES.

S-130 Portable Construction Heater SPECIFICATIONS

Fuel	Propane
Maximum Input BTU/Hr	130,000
Ventilation Air Required for Proper Combustion (scfm)	1,000
Inlet Gas Supply Pressure	30 psig (max)
Fuel Consumption (lbs.)	6.0 lbs / Hr
Fuel Consumption (gals.)	1.5 gal / Hr
Dimensions	46"L x 15"W x 19" H
Safe Distance to Combustibles (top)	5ft – 10in
Safe Distance to Combustibles (sides)	4ft
Net Weight	46 lbs.

S-300 Portable Construction Heater SPECIFICATIONS

Fuel	Propane
Maximum Input BTU/Hr	300,000
Ventilation Air Required for Proper Combustion (scfm)	2,000
Inlet Gas Supply Pressure	30 psig (max)
Fuel Consumption (lbs.)	14.0 lbs / Hr
Fuel Consumption (gals.)	3.3 gal / Hr
Dimensions	60"L x 18"W x 25" H
Safe Distance to Combustibles (top)	5ft – 10in
Safe Distance to Combustibles (sides)	4ft
Net Weight	58 lbs.