


**WARNING PATIO HEATER SAFETY (2 sided instructions)**

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. **IF** any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**  
Propane itself is not a listed Proposition 65 chemical.

BUT

 **WARNING:** The combustion of propane in appliances, such as stoves or heating systems and vehicles using propane, creates harmful chemicals. These chemicals include carbon monoxide, benzene, formaldehyde, and acetaldehyde - all chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. You should read and follow all use, care, and manufacturer instructions for propane appliances and equipment. Proper ventilation and frequent inspection of propane appliances and equipment are highly recommended. A warning odorant is added to propane so that leaks of unburned gas can be quickly detected. If a gas odor is detected, contact a qualified service technician immediately.

This equipment gets Extremely Hot during operation; allow it to cool before moving or handling.

**WARNING: For outdoor use only.**

**IMPORTANT: Read and understand this manual before assembling, starting or servicing heater. Improper use of heater can cause serious injury. Keep this manual for future reference.**

**FOR YOUR SAFETY**

**Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

**FOR YOUR SAFETY**

**If you smell gas:**

- 1. Shut off gas to the appliance.**
- 2. Extinguish any open flame.**
- 3. If odor continues, do not use this heater.**

*Never transport this heater with the Dome attached. The Equipment Protection Plan does not cover damage to the dome.*

**Warning metal conducts electricity. Do Not use this Heater where it may come into contact with power lines or other electric circuits. Failure to comply to this warning will result in serious personal injury or death.**

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment, **DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!!**  
**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**

**⚠ WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.**

## TABLE OF CONTENTS

Specifications .....	2	Service .....	9
Safety Information .....	2	Replacement Parts .....	9
Propane/LP Safety .....	4	Technical Service .....	9
Assembly Instructions .....	4	Illustrated Parts Breakdown and Parts List .....	10
Operating Instructions .....	7	Warranty and Repair Service .....	12
Storage .....	8		

## SPECIFICATIONS

- Rating: 40,000 Btu/hr (11.7 kW)
- Type of Gas: Propane/LP Only
- Gas Supply Pressure to regulator: Maximum - 150 psi (1034.2 kPa), Minimum - 5 psi (34.5 kPa)
- Gas Supply Pressure Regulator out: 11" W.C. (2.74 kPa)
- Ignition: Piezo Ignition
- Fuel Consumption: 1.86 lbs./hr (0.84 kg/hr)
- Flame Safety: Thermocouple Operated Gas Valve

## SAFETY INFORMATION

**⚠ WARNING: This product contains and/or generates chemicals known to the State of California to cause cancer or birth defects, or other reproductive harm.**

**⚠ WARNING: Not for home or recreational vehicle use.**

**⚠ WARNING: Fire, burn, inhalation, and explosion hazard. Keep solid combustibles, such as building materials, paper or cardboard, a safe distance away from the heater as recommended by the instructions. Never use the heater in spaces which do or may contain volatile or airborne combustibles, or products such as gasoline, solvents, paint thinner, dust particles or unknown chemicals.**

We cannot foresee every use which may be made of our heaters. Check with your local fire safety authority if you have questions about heater use.

Other standards govern the use of fuel gases and heat producing products for specific uses. Your local authorities can advise you about these.

**Carbon Monoxide Poisoning:** Direct-Fired means that all of the combustion products enter the heated space. Even though this heater operates very close to 100 percent combustion efficiency, it still produces small amounts of carbon monoxide. Some people are more affected by carbon monoxide than others. Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, and/or nausea. If you have these signs, the heater may not be working properly. **Get fresh air at once!** Check for proper ventilation and have heater serviced.

**Propane Gas:** Propane gas is odorless. An odor-making agent is added to propane gas. The odor helps you detect a propane gas leak. However, the odor added to propane gas can fade. Propane gas may be present even though no odor exists.

## SAFETY INFORMATION Continued

This is a propane, direct-fired heater. Propane is heavier than air. If propane leaks from a connection or fitting, it sinks to the floor, collecting there with the surrounding air, forming a potentially explosive mixture. Obviously, propane leaks should be avoided, so set up the propane supply with utmost care. Read *Propane/LP Safety*, page 4 for additional information about detecting propane leaks. Leak check new connections or reconnections with a soap and water solution and follow all connection instructions herein. Also, ask your propane dealer for advice on the propane application and supply installation and ask them to check it if there are any questions.

When the heater is to be operated in the presence of other people the user is responsible for properly acquainting those present with the safety precautions and instructions, and of the hazards involved.

Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this heater.

1. Check the heater thoroughly for damage. DO NOT operate a damaged heater.
2. DO NOT modify the heater or operate a heater which has been modified from its original condition.
3. Use only propane/LP gas.
4. Use only VAPOR WITHDRAWAL propane supply. The propane cylinder must be arranged for vapor-withdrawal, in accordance with the *Compress Gas Associations, Small Propane Bottle Assembly*. If there is any question about vapor withdrawal, ask your propane dealer.
5. Never use the heater if the ballast weight is not assembled onto the base. The base must be weighted to avoid tipping.
6. Use only the hose and regulator assembly provided with the heater.
7. Inspect hose assembly before each use of the heater. If there is excessive abrasion or wear, or hose is cut, replace with hose assembly listed on parts list before using heater.
8. This heater is for OUTDOOR USE ONLY, even so, make sure that there is ample fresh air ventilation. Do not use in buildings, garages or other enclosed spaces.
9. If at any time gas odor is detected, IMMEDIATELY DISCONTINUE operation until the source of gas has been located and corrected. Read *Propane/LP Safety*, page 4 for additional information about detecting propane leaks.
10. Install the heater such that it is not directly exposed to water spray, rain and/or dripping water.
11. Maintain minimum clearance to people or normal combustible material (like paper) of 3.6 ft. (1100 mm) from top and 2 ft. (609 mm) from the reflector.
12. Operate only on a stable, level surface.
13. Do not spray aerosols near the heater during use or shortly thereafter.
14. Do not clean heater with combustible or corrosive cleaners. Use warm, soapy water.
15. Check control compartment burners and circulation air passageways for free air passage, make sure that there are no obstructions. These areas are a common location for spider webs, which can present a dangerous condition, damage the heater and render it unsafe for use. The heater must be checked if any of the following conditions exist:
  - a) Gas smell along with predominate yellow tipping of the burner.
  - b) Heater does not reach temperature.
  - c) Uneven burner glow
  - d) Burner makes popping noises during normal use, other than during shutdown.
16. Use only soapy water (1 part liquid dish washing detergent to 3 parts water) to conduct leak tests whenever a propane cylinder is connected. Bubbles indicate a leak.
17. Do not adjust gas regulator. If you are unsure of your appliances gas type or pressure, call a qualified service person.
18. Place the control knob on "OFF" position when heater is not in use.
19. Always disconnect the gas supply after the heater is turned "OFF".
20. Do not move, handle or service while hot or burning.
21. Allow 45 minutes to cool down after use before attempting to move heater.
22. Do not operate this appliance in windy conditions. Maximum allowable wind speed is 10 mph (16 Km/h).
23. Do not operate this appliance in temperature conditions below 40° F (5° C).