



# PAULIN PRODUCTS INDOOR HEATER

## OWNER'S MANUAL AND OPERATING INSTRUCTIONS

Model 7500

May be used with a disposable 1 lb. propane cylinder:  
- for emergency indoor home heating  
- for indoor use in commercial enclosures, having means for providing combustion air and ventilation, such as construction trailers or temporary work enclosures.



**WARNING:** Any change to this heater or its controls can be dangerous

This is an unvented gas-fired heater. It uses air (oxygen) from the area in which it is used. Adequate combustion and ventilation air must be provided.

For recreational and commercial use

**WARNING:** If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.
- Service must be performed by a qualified service agency

### What To Do If You Smell Gas:

- Do Not try to light the appliance
- Extinguish any open flames
- Shut off gas to appliance

**DUE TO HIGH TEMPERATURES, THE HEATER SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM COMBUSTIBLE MATERIALS.**

Children and adults should be alerted to the hazard of high surface temperature and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are near the heater.

Do not place clothing or other flammable material on or near the heater.

Any safety screen or guard removed for servicing the heater must be replaced prior to operating the heater.

The heater should be inspected before each use. Frequent cleaning may be required.

The control compartments, burners and circulating air passageways of the heater must be kept clean.

## HEATER MAINTENANCE INSTRUCTIONS

Do not obstruct the flow of combustion and ventilation air. Keep vent slots clean.

Make a periodic visual check of pilot and burner flame to ensure proper operation. The pilot flame will extend beyond the thermocouple wrapping around it just under the tip. If yellow in color instead of blue, cleaning may be required. The burner should have a bright orange glow with a slight blue color around the border without any noticeable flame. A blue flame at the top of the ceramic tile is indicated excessive dust, dirt or spider webs inside the steel casing and/or reflector assembly, and means that cleaning is probably necessary.

When cleaning heater (figure 1):

1. Disconnect disposable 1lb. cylinder (if using remote bulk tank turn off gas supply at remote cylinder valve, then disconnect hose from heater.)
2. Gently bend wire guard to remove wire guard prongs (a) from mounting holes in steel casing, freeing wire guard.
3. Insert a flat bladed screwdriver between the top (horizontal) edge of the reflector assembly (B) and the steel casing and push down until the steel tab (C) on the top edge of the reflector assembly releases from the steel casing.

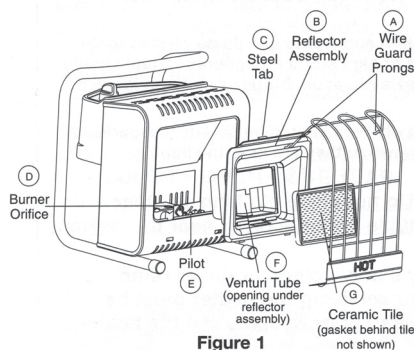


Figure 1

4. Ease reflector assembly away from steel casing.
5. Inspect casing interior components for spider webs as well as dust or dirt.
  - a. If necessary use a vacuum cleaner or compressed air to clean:
    - Steel casing interior.
    - Burner orifice at orifice opening (D)
    - Pilot (E) through the holes in the pilot indicate by arrows in Figure 2. Never touch drilled holes in pilot, as they are extremely delicate. Insertion of pins, wire, etc. is likely to disturb proper gas flow.
  - b. If necessary, use compressed air to clean venturi tube (F) and ceramic tile (G).
6. Ease reflector assembly back into steel casing. Pushing down on top edge with flat bladed screw driver, insert tab in hole in steel casing.
7. Gently bend wire guard and insert prongs into mounting holes in steel casing.

Remember to check and clean the burner orifice and venturi tube on a regular basis to eliminate inserts, insect nests and spider webs. A clogged tube can lead to a fire.

Keep Heater area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

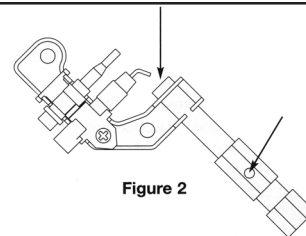


Figure 2

**Gas-Fired Portable Unvented Heater for Recreational and Commercial Use**

**Model No.: 7500**  
**Input (BTU/hr.): 8000 Maximum,**  
**4000 Minimum**

**Gas Type: Propane**  
**Manifold Pressure: 11" W.C.**

**Minimum Distance To Combustibles: Top 30", Front 24", Sides 6", Rear 0"**

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

## INSTRUCTIONS FOR SAFE LIGHTING, OPERATION AND SHUTDOWN WHEN CONNECTING HEATER TO

### DISPOSABLE CYLINDER:

Always connect the heater only to 16.4 oz. (1lb.) disposable propane cylinders that mate with a No. 600 Valve connection. The propane cylinder must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (DOT).

Make certain Control Knob (Figure 4) is in OFF position.

Screw 1 lb. disposable propane cylinder HAND TIGHT clockwise into regulator inlet. Make sure cylinder is ALWAYS in an upward position. Take care not to cross thread.

Before each use look through opening at back of heater (Figure 3) to check connection by wetting with soap and water solution to be sure there are no leaks. Never check for leaks with a match. DO NOT USE HEATER if bubbles form from the soap solution, if you smell gas, or if there are any other leaks in your propane system.

Depress completely and turn control knob counterclockwise to PILOT position and hold for 15-30 seconds allowing gas to flow to the pilot.

Keeping the control knob depressed, turn from the PILOT to the OFF position and immediately back to the PILOT position to utilize spark igniter. Repeat the PILOT-OFF-PILOT sequence until the pilot lights.

Continue to depress the control knob at the PILOT position for 15-30 seconds to activate the Pilot Light Safety System.

NOTE: If the spark igniter fails to light the pilot, turn knob to OFF, allow at least 2 minutes for gas to dissipate and light with a match.

Release control knob after the pilot is lit and IMMEDIATELY turn to HIGH position to light heater.

NOTE: Within a few minutes, the ceramic tile will develop a steady bright orange glow except for a 1/4" border along its outside edges. When lit the first time the top of the reflector will discolor to a bluish-brown.

Adjust heat output by depressing control knob slightly and turning to LOW or HIGH position. To shut off heater, push down control knob and turn clockwise to OFF position.

Disposable cylinders must be disconnected when the heater is not in use.

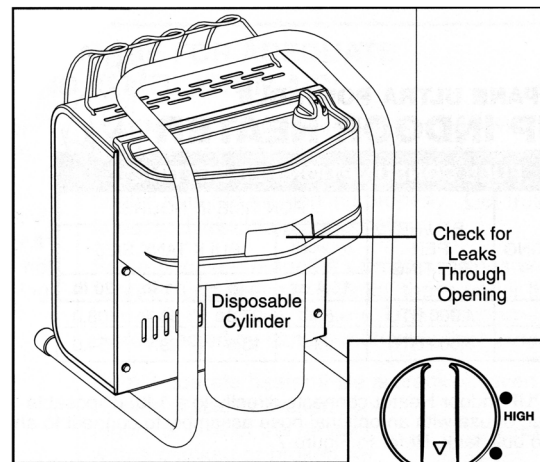


Figure 3

Check for  
Leaks  
Through  
Opening

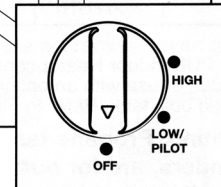


Figure 4

## TROUBLESHOOTING INFORMATION

### Spark Igniter does not spark.

Contact factory.

### Spark igniter sparks but does not light pilot.

1. Pilot is clogged-cleaning is required - see page 2.
2. New outdoor bulk tank being used, but gas not immediately flowing-purge (let air out of) new tank for about 10 seconds. Repeat process. We strongly recommend taking tank back to dealer for purging.
3. Propane not getting to heater-if using disposable cylinder check connection, or if using hose to outside tank check connections and make sure tank valve is open.

### Pilot does not stay lit.

1. Control knob not depressed long enough-try again.
2. Pilot flame not wrapping around thermocouple or yellow in color-clean pilot-see page 2.
3. Pilot assembly defective-contact factory.

### Burner does not light or blue flame appears at top of ceramic tile.

Orifice is blocked. Clean orifice-see page 2.

### Heater operates but shuts off on its own.

1. Heater exposed to draft-move heater. Also, remember heater is for indoor use only. Pilot will go out when exposed to even minimal wind velocity.
2. Pilot is clogged-cleaning required-see page 2.
3. Not enough ventilation-make certain room has minimum open window or roof vent area of 8 square inches (example 2" x 4").
4. Heater at too high an altitude (over 6,500 feet). Turn to OFF. Wait several minutes, attempt to relight.

# INSTRUCTIONS FOR SAFE LIGHTING, OPERATION AND SHUTDOWN WHEN CONNECTING HEATER TO BULK TANK

The LP-gas supply cylinder to be used:

- Must include a collar to protect the cylinder valve.
- Must be provided with a listed overfilling prevention device.
- Must be provided with a cylinder connection device compatible with the No. 600 valve connection of the heater.

Do not connect the heater to propane tanks greater than 20 pounds LPG capacity (5 pounds water capacity) without checking with your local fire department. The LP-gas supply cylinder to be used must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (DOT).

The pressure regulator and hose assembly supplied with the heater must be used. Replacement pressure regulators and hose assemblies must be those specific by the heater manufacturer.

This heater may be used in a recreational enclosure or temporary construction work enclosure with a remote refillable propane cylinder **ONLY** when the cylinder is located outdoor and the heater is used with Paulin hose kit number 4122 or 3123 (Figure 7).

**NEVER** bring a refillable propane cylinder indoors. A fire or explosion can occur causing property damage, serious injury or death.

Inspect the hose before each use of the heater. If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the heater being put into operation. The replacement hose assembly shall be that specified by the manufacturer.

**Connecting Heater to Bulk Propane Tank:**  
Always connect the heater to an outside bulk tank in the outdoors. **NEVER** connect this heater to a bulk tank near an open flame.

## USE OF HEATER:

Always use your heater in an upright position on a level noncombustible surface in a location where it could not be accidentally tipped over by humans or animals. **NEVER** place the heater or propane tank on its side or in a horizontal position when operating as this could lead to dangerous flare up or fire. Pick heater up by handle and return to upright position. Make certain control knob is in the OFF position. Wait 5 minutes before relighting to allow propane in tank to stabilize.

Screw appropriate end of the hose into the heater regulator and the other end into the propane tank valve. Tighten connections at both ends.

Before each use look through opening at back of heater and look at connection at tank valve to check connections with soap solution to be sure there are no leaks (Figure 3). Never check for leaks with a match. **DO NOT USE HEATER** if bubbles form from the soap solution, if you smell gas, or if there are any other leaks in your propane system.

Open propane tank valve.

Depress completely and turn control knob counterclockwise to PILOT position and hold for 15-30 seconds allowing gas to flow to the pilot. You may have to hold longer depending on hose length.

Keeping the control knob depressed, turn from the PILOT to the OFF position and immediately back to the PILOT position to utilize spark igniter.

Repeat the PILOT-OFF-PILOT sequence until the pilot lights.

Continue to depress the control knob at the PILOT position for 15-30 seconds to activate the Pilot Light Safety System.

**NOTE:** If the spark igniter fails to light the pilot, turn knob OFF, allow at least 2 minutes for gas to dissipate and light with a match.

Release control knob after the pilot is lit and immediately turn to HIGH position to light heater.

**NOTE:** Within a few minutes the ceramic tile will develop a steady bright orange glow except for a 1/4" border along its outside edges. When lit the first time, the top of the reflector will discolor to a bluish-brown.

Adjust heat output by depressing control knob slightly and turning to LOW or HIGH position. To shut off heater, push down control knob and turn clockwise to OFF position.

Close propane tank valve. The gas must be turned off at the supply cylinder when the heater is not in use.

When the LP-gas supply cylinder is not disconnected from the heater, the heater and the cylinder must be stored outdoors, in a well ventilated space, out of the reach of children, and must not be stored in a building, garage or any other enclosed area.

Indoor storage of the heater is permissible only if the cylinder is disconnected and removed from the heater.

# PROVISIONS MUST BE MADE FOR ADEQUATE COMBUSTION AND VENTILATION AIR:

This heater can only be used in a recreational or commercial enclosure with a window or roof vent. This heater is not for outdoor use.

This heater requires a minimum open window or roof vent area of 8 square inches (example: 2" x 4") for adequate combustion and ventilation air. Do not operate other burner appliances inside when using the heater.

**WARNING:** If the recreational or commercial enclosure does not have a window or roof vent, DO NOT USE THIS HEATER INSIDE.

When used without adequate combustion and ventilation air, this heater may give off excessive CARBON MONOXIDE, an orderless, poisonous gas. Do not obstruct the flow of combustion and ventilation.

**WARNING:** Early signs of carbon monoxide poisoning resemble the flu, with headache, dizziness and/or nausea. If you have these signs, heater may not be working properly.

**Get fresh air at once! Have heater serviced.**

Some people - pregnant women, persons with heart or lung disease, anemia, those under the influence of alcohol, those at high altitudes - are more affected by carbon monoxide than others.

Do not operate heater if tile is cracked (even a hairline crack) or broken.

See Figure 5. Use of the heater with a cracked or broken tile can result in increased levels of carbon monoxide.

Contact factory immediately for a replacement tile. Hairline cracks are most noticeable when heater is lit.

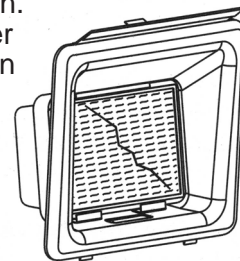


Figure 5

**Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.**

**HOW TO CONTACT US FR SERVICE AND REPAIR PARTS:**  
 PH.: (216) 451-9300  
 FAX: (216) 451-9376  
 WWW.PAULINPRODUCTS.COM

## REPLACEMENT PARTS (FIGURE 6):

ITEM NO.	STOCK NO.	DESCRIPTION
1	7531	CONTROL VALVE KNOB
2	7580	WIRE GUARD
3	7512	CERAMIC TILE WITH GASKET
4	7006	OWNER'S MANUAL**

\*\*An Owner's Manual is sent free with an order or by request. No purchase necessary.

### Accessories:

Propane hose assembly with fittings  
 POL-male with handwheel x disposable  
 cylinder male thread with hand swivel

4122 5' hose  
 4123 12' hose

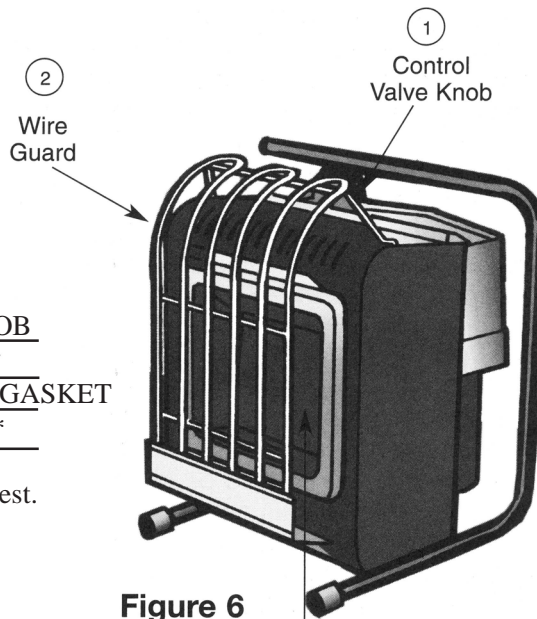


Figure 6

3 Ceramic Tile (gasket behind tile not shown)



# PROPANE ULTRA PORTABLE PUP INDOOR HEATER

FUEL CONSUMPTION PER SETTING *					
SETTING	BTU/HR PER SETTING	RUN TIME IN HOURS			
		DISPOSABLE CYLINDER SIZE 16.4 OZ	BULK TANK SIZE		
			5 lb	11 lb	20 lb
LOW	4,000 BTU	5.5	27.0	59.4	108.0
HI	8,000 BTU	2.8	13.5	29.7	54.0

\* The PUP Indoor Heater connects directly to a 1 lb. disposable cylinder, or use with an optional hose assembly to connect to an outside bulk tank. Refer to Figure 7.

**WARNING: Propane tanks, other than disposable cylinders, are for outdoor use only. See warnings on bulk tank.**

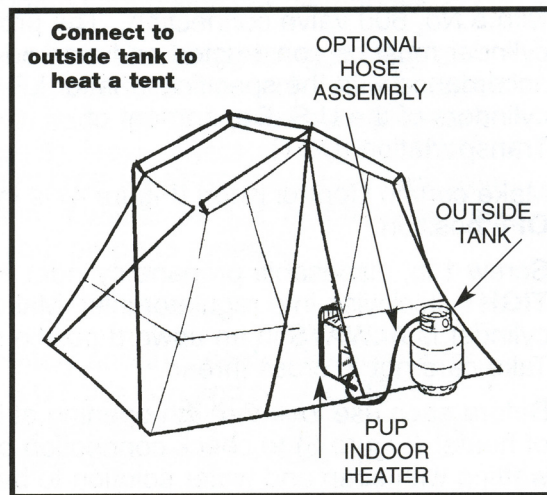


Figure 7

## WARRANTY

Paulin Products warrants that for the period you own this product, it will be free from defect in material and workmanship. Paulin, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or re-manufactured product or component. If the product is no longer available, replacement will be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. Paulin dealers, service centers, or retail stores selling Paulin Products do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than Paulin or an authorized service center. Further, the warranty does not cover natural disasters, such as fire, hurricanes and tornados.

Paulin shall not be liable for any incidental or consequential damages caused by the breach of any expressed or implied warranty or conditions.

Expect to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration of the above warranty or conditions. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

How to obtain warranty service: return product to store where product was purchased. Be prepared to show proof of retail purchase (sales slip). Product may also be returned directly to Paulin Products. Call 216-451-9300 for details.



PAULIN PRODUCTS, Inc.

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