

- When moving heater when lit or bumping heater setting it down, the tip over switch may shut off heater. If this happens, re-light.
- **NOTE: THIS HEATER MAY BE OPERATED WITH (1) OR (2) DISPOSABLE 1 LB. PROPANE CYLINDERS OR WITH A REMOTE REFILLABLE CYLINDER(S) MAX. 20 LBS USING (1) OR (2) F273701, F273702 OR F272702 HOSE ASSEMBLIES WITH FUEL FILTERS (F273699) (Fig. 1) ON EACH HOSE ASSEMBLY. HOSE NO. F273704 BUDDY SERIES HOSE, FUEL FILTER NOT REQUIRED. IT MAY ALSO BE OPERATED WITH (1) F271802 HOSE ASSEMBLY CONNECTED TO A REGULATED (11" W.C.) PROPANE SOURCE OR (1) F271803 HOSE ASSEMBLY WITH 11" REGULATOR WITH ACME NUT.**

**NOTE:** When using with (2) 1 LB. propane cylinders for EMERGENCY use, observe the following definition of emergency use:

- a. The permanent heating system is temporarily out of service.
- b. Heat is necessary to prevent damage to the buildings or contents.
- c. The temporary heating equipment is not left unattended.
- d. This heater requires a vent area of 18 square inches (example 4.25" x 4.25" opening) minimum for adequate ventilation during operation. Do not use other fuel burning appliances inside.
- e. The portable heater used shall be discontinued and removed from the building at the time the permanently installed appliances are placed back in operation.

**LIGHTING / OPERATING INSTRUCTIONS FOR USE WITH DISPOSABLE 1 LB. PROPANE CYLINDERS:**

ALWAYS ATTACH OR DETACH CYLINDER OUTDOORS AWAY FROM FLAMES, OTHER IGNITION SOURCES, AND ONLY WHEN HEATER IS COOL TO TOUCH. NEVER SMOKE WHEN ATTACHING OR REMOVING PROPANE CYLINDER OR MAKING REMOTE CONNECTIONS!

- The LP-gas cylinder(s) used must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (DOT).
- Use only VAPOR WITHDRAWAL propane supply. If there is any question about vapor withdrawal, ask your propane dealer.
- Use only 16.4 oz. (1 lb.) disposable cylinders that mate with No. 600 valve connection.
- This heater consumes oxygen from the room in which it is installed. To assure complete combustion, an adequate fresh air supply to the room, See **General Safety Instructions**, Page 3.
- Heater and attached cylinder must be in an upright position during operation.

**IMPORTANT:** The heater must not be exposed to flammable vapors or liquids during lighting.

1. Make sure four-position Control Knob is in "OFF" position. See Figure 2.



Figure 1

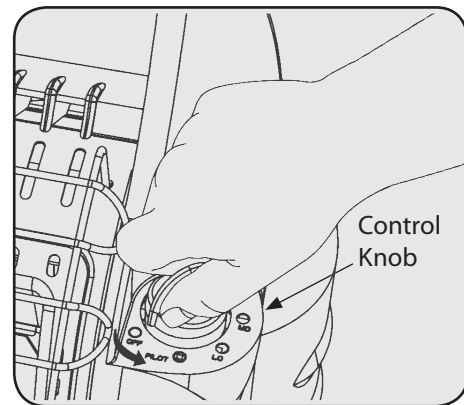


Figure 2

**WARNING:** Always inspect propane cylinder and heater propane connections for damage, dirt, and debris before attaching propane cylinder. Do not use if head of cylinder is damaged, punctured or deteriorated.

**OPERATION**

2. Screw 1 lb. disposable LP-gas supply cylinder clockwise (from bottom) into portable heater until hand-tight. See Figure 3. Do not use thread sealant on this connection.
3. Check cylinder connection for leaks with soapy water at the threaded connection under the domed plastic cover where the cylinder screws into the regulator. DO NOT USE ANY EXPOSED FLAME TO CHECK FOR LEAKS. DO NOT OVERTIGHTEN. SEE WARNING! ON DOMED PLASTIC COVER.
4. Depress and turn Control Knob counterclockwise to "PILOT" position. See Figure 4. Ignitor will spark to light the pilot burner. Hold control knob down in "Pilot" position for 30-60 seconds.
5. After lighting pilot, release knob. Knob should return to fully extended position. See Figure 5. (If needed, repeat these steps until pilot lights).
6. Turn control knob to "LO" or "MD" position to light heater. Leave on "LO" or "MD" position until the left burner tile has turned bright orange.
7. After left burner tile has turned bright orange, adjust heat output by turning control knob to desired position ("LO", "MD" or "HI"). Note: Both tiles turn orange only on HI setting. **(2) 1 LB. propane bottles are needed to use heater in (HI) position.**

**Shutdown Instructions**

1. To shut off heater, slightly push down and turn Control Knob clockwise to "OFF" position.
  - Do not operate, store or remove cylinder near flammable items or ignition sources.

LP-GAS CYLINDERS MUST BE DISCONNECTED FROM HEATER WHEN NOT IN USE!

**LIGHTING / OPERATING INSTRUCTIONS FOR USE WITH HOSE CONNECTED TO A REMOTE CYLINDER, MAXIMUM SIZE 20 LBS:**

- This Heater may be used with a remote refillable propane cylinder ONLY when the cylinder is located outdoors and the Heater is used with Mr. Heater Hose No. **F273701**, **F273702** or **F272702** and fuel filter **F273699**. Fuel filter must be replaced annually. (**NOTE:** Do not operate without the fuel filter as fuel contamination may damage the heater.) Or use **F273704** Buddy series hose. Fuel filter not required.
- It may also be operated with Mr. Heater Hose No. **F271802** which includes a quick disconnect fitting and a 3/8" female flare fitting connected to a regulated (11" W.C.) propane source or Mr. Heater Hose No. **F271803** which includes a quick disconnect fitting and a 11" W.C. regulator with acme nut.
- Inspect the hose before each use of the heater. If there is excessive abrasion or wear, or the hose is cut, replace prior to using the heater with one of the Mr. Heater Hose No.'s shown above.
- The LP-gas cylinder(s) used must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (DOT).
- Use only VAPOR WITHDRAWAL propane supply. If there is any question about vapor withdrawal, ask your propane dealer.
- The propane cylinder must include a listed overfilling protection device as well as a collar to protect the cylinder valve.

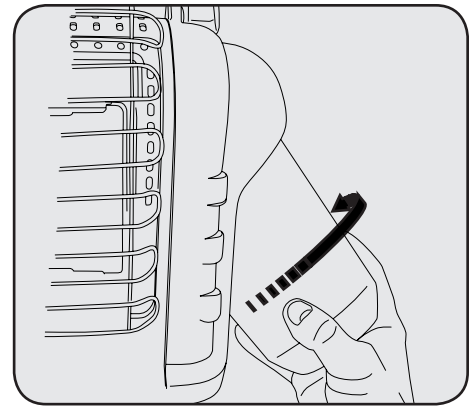


Figure 3

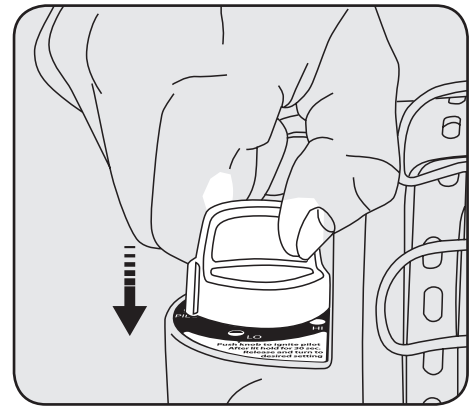


Figure 4

**⚠ WARNING:** Do not operate heater unless control knob is locked in a position marked "hi", "md", "lo" or "pilot". Never set control knob between locked positions. Poor combustion and higher levels of carbon monoxide may result.

**⚠ CAUTION:** Do not try to adjust heating levels by using the propane tank shut off valve.

- This heater consumes oxygen from the room in which it is installed. To assure complete combustion, an adequate fresh air supply to the room, See **General Safety Instructions**, Page 3.
- Heater must be in an upright position during operation.

**IMPORTANT:** The heater must not be exposed to flammable vapors or liquids during lighting.

1. Make sure five-position Control Knob is in "OFF" position. See Figure 1.
2. Screw hose connector into tank swivel or fuel filter on heater or connect to quick disconnect and screw connector on other end of hose into LP gas tank valve. Tighten all hose connections. DO NOT use thread sealant on any of these connections.
3. Mr. Heater strongly recommends using disposable fuel filter **F273699** to trap any oil substances when connected to a remote cylinder that can make heater inoperable.
4. Open valve at LP-gas supply cylinder.
5. Check all hose connections for leaks with soapy water at the threaded connection under the domed plastic cover where the hose connector screws into the regulator and at LP-gas supply cylinder. DO NOT USE ANY EXPOSED FLAME TO CHECK FOR LEAKS. DO NOT OVERTIGHTEN. SEE WARNING! ON PLASTIC DOORS.
6. Depress and turn Control Knob counterclockwise to "PILOT" position and hold down for 1 - 5 seconds. See Figure 4. This may take longer to purge air from the supply hose depending on the length of the hose being used.
7. Depress and turn Control Knob counterclockwise to "PILOT" position. Ignitor will spark to light the pilot burner. Hold control knob down in "Pilot" position for 30-60 seconds.

8. After lighting pilot, release knob. Knob should return to fully extended position. See Figure 5. (If needed, repeat these steps until pilot lights).
9. Turn control knob to "LO" or "MD" position to light heater. Leave on "LO" or "MD" position until first burner tile has turned bright orange.
10. After first burner tile has turned bright orange, adjust heat output by turning control knob to desired position ("LO", "MD" or "HI" setting).

### Shutdown Instructions

1. To shut off heater, shut off propane at supply tank, allow heater to use-up propane in supply line until heater shuts off, then slightly push down and turn Control Knob clockwise to "OFF" position.
  - When not in use, the gas must be turned off at the LP-gas supply cylinder. As stated before allow heater to use up propane in supply line until heater shuts off. 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 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. Cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area.

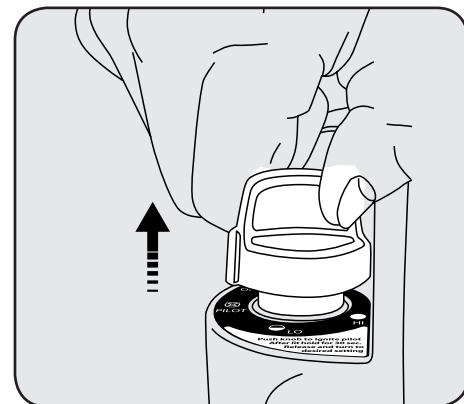


Figure 5

**CAUTION:** After turning heater off, wire guard will remain hot. Allow to thoroughly cool before storing.

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