

OPERATION

REFILLING THE LP CYLINDER

ALL NEW LP CYLINDERS MUST BE PURGED BEFORE THE FIRST FILLING.

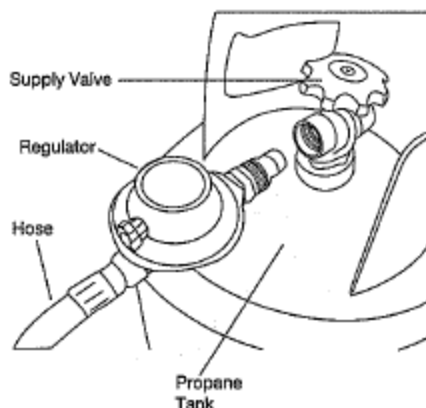
WARNING: PURGING AND FILLING OF LP CYLINDERS MUST BE PERFORMED BY PERSONNEL WHO HAVE BEEN THOROUGHLY TRAINED IN ACCEPTED LP GAS INDUSTRY PROCEDURES. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN EXPLOSION, FIRE, SEVERE PERSONAL INJURY OR DEATH.

Average Temp. (°F)	MH-0050-LM10 20 or 100 lb cylinder	MH-150-LM10 100 lb. cylinder	MH-150-LMT0 100 lb. cylinder
32°	1	2	2
20°	1	2	2
10°	1	3	3
0°	1	3	3
-10°	2	Use larger tank	Use larger tank
-20°	2	Use larger tank	Use larger tank

1. Turn heater gas valve knob and LP cylinder valve to OFF position.
2. LP cylinder valve equipped with old style fitting has LEFTHANDED THREADS. Turn fitting CLOCKWISE to loosen. Protect this fitting when disconnected from LP cylinder.
3. Have your LP cylinder filled by your local Propane gas supplier.
4. Some LP cylinders have a bleed-off valve. This valve should be inspected for leaks after each filling of the LP cylinder. Turn the valve clockwise to close.
5. Fasten full Propane tank and connect proper fitting to LP cylinder valve by turning COUNTERCLOCKWISE.
6. With heater gas valve knob still in OFF position, turn ON LP cylinder valve and check for leaks with soap solution.

CAUTION: PROPANE IS SAFE TO USE WHEN PROPERLY HANDLED. CARELESS HANDLING OF THE LP CYLINDER COULD RESULT IN A FIRE AND/OR AN EXPLOSION. THEREFORE:

7. Always keep LP cylinder securely fastened and in an upright position.
8. Avoid tipping the LP cylinder on its side when connected to a regulator, since this may cause damage to the diaphragm in the regulator.
9. Handle valves with care.
10. Never connect an unregulated LP cylinder to a construction heater.
11. Do not subject LP cylinder to excessive heat.
12. Tightly close the gas shutoff valve on the LP cylinder after each use.
13. All fittings must be protected when disconnected from the LP cylinder.
14. Never store an LP cylinder inside a building or in the vicinity of any gas burning appliance.



CAUTION: THE DISCONNECTED TANK MUST NEVER BE STORED IN A BUILDING, GARAGE OR ANY OTHER ENCLOSED AREA.

15. Do not restrict inlet or outlet of heater. Heater is never to be used with ductwork.

OPERATION

CHECKING FOR LEAKS

To check for leaks, make up a 50/50 solution of dish soap and water. Apply this solution to all gas connections. If bubbles appear, there is a leak. If a leak is found, turn off the gas supply, and re-connect the leaking connection. If the leak persists after several tries, contact Mi-T-M Customer Service at 800-553-9053.

The installation of this heater must meet all local codes and/or gas utility requirements. In the absence of local codes, the National Fuel Code ANSI Z223.1 should be followed.

The minimum clearances to any combustible construction materials must be maintained at all times.

VENTILATION

Always provide a fresh air opening in the heated space of at least three square feet (2,800 sq. cm.) for each 100,000 BTU/Hr of heater output. For example, a MH-0150-LM10 will require:

- a two-car garage door open 6 inches, or
- a single car garage open 9 inches, or
- two thirty two inch wide windows open 15 inches.

LIGHTING INSTRUCTIONS (MODELS MH-0050-LM10, MH-0150-LM10)

1. Connect power cord to a properly grounded three (3) prong 120V, 60 Hz, extension cord.

EXTENSION CORD WIRE REQUIREMENTS:

- 6 to 10 feet (1.8 to 3 meters) long, use 18 AWG conductor.
 - 11 to 100 feet (3.4 to 30.53 meters) long, use 16 AWG conductor.
 - 101 to 200 feet (30.8 to 61 meters) long, use 14 AWG conductor.
2. Connect heater to a proper LP cylinder.
 3. Turn gas valve clockwise to OFF position.
 4. Wait five (5) minutes for any gas to clear. Smell for gas; if you do not smell gas, go to Step 5.
 5. Push in and turn gas control knob counterclockwise to LOW/IGN position. This will light the burner. If needed, keep pressing control knob until the burner lights.
 6. Keep the valve knob depressed for at least 30 seconds after lighting the burner. After 30 seconds, release valve knob.
 7. If burner does not stay lit, repeat lighting procedure.
 8. When burner stays lit, turn gas valve knob counterclockwise to desired setting.

LIGHTING INSTRUCTIONS (MODELS MH-0150-LMT0)

The theory of operation for the 150T thermostat is the incoming power is controlled by the thermostat, which uses a resistance temperature detector (RTD) to open and close a circuit to shut off the incoming power to the circuit board. The circuit board controls a solenoid valve to control the gas flow to the nozzle and power to the fan. (This is possible for this heater because it does not use a thermocouple to rectify flame presence. Flame presence is rectified through the igniter.

1. Follow all safety, installation and ventilation instructions in this manual.
2. Position the heater on a stable and level surface, and be sure that no drafts blow into the inlet or outlet of the heater.
3. Plug the power cord of the heater into a three hole grounded extension cord. Be sure that the extension cord is at least 6 feet long, and is UL listed.

- Up to 50 feet long, use 18 AWG rated cord.
- 51 to 100 feet long, use 16 AWG rated cord.
- 101 to 200 feet long, use 14 AWG rated cord.