

# PATIO HEATER - TOWER OF FIRE

## OPERATING

### BEFORE TURNING GAS SUPPLY ON

1. Your heater was designed and approved for outdoor use only. DO NOT use it inside a building, garage, or any other enclosed areas.
2. Make sure surrounding areas are free of combustible material, gasoline, and other flammable vapors or liquids.
3. Ensure that there is no obstruction to air ventilation. Be sure all gas connections are tight and there are no leaks.
4. Be sure the cylinder cover is clear of debris. Be sure any component removed during assembly or servicing is replaced and fastened prior to starting.

### BEFORE LIGHTING

1. Heater should be thoroughly inspected before each use and by a qualified service person at least annually. If relighting a hot heater, always wait at least 5 minutes.
2. Inspect the hose assembly for evidence of excessive abrasion, cuts, or wear. Suspected areas should be leak tested. If the hose leaks, it must be replaced prior to operation. Only use the replacement hose assembly specified by manufacturer.

### LIGHTING

This heater is equipped with a pilot light that allows for safer startups and shutdowns. Pilot must be lit before main burner can be started.

1. Turn the control knob to the "OFF" position.
2. Fully open LP cylinder valve.
3. Push control knob in and rotate to pilot position.

NOTE: FOR INITIAL START OR AFTER CYLINDER CHANGE, HOLD CONTROL KNOB IN FOR TWO (2) MINUTES TO PURGE AIR FROM GAS LINES BEFORE PROCEEDING.

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4. Push and release the igniter button until pilot flame is visible through the glass tube.
5. Once the pilot is lit, continue to depress the control knob for thirty (30) seconds.
6. If the pilot does not stay lit, repeat steps 4-6.
7. If after repeating steps, unit does not light then,
  - a. Push in control knob and turn counterclockwise to "Pilot"
  - b. As you are depressing the control knob, place long stem lighter through the glass tube to light the pilot.
  - c. Repeat step 6.
8. Push in and turn the control knob to the "High", then release control knob. If you want a lower temperature, push the control knob and turn counterclockwise to the "Low" position.

NOTE: IF PILOT FAILS TO REMAIN LIT, ALL VALVES SHOULD BE CLOSED AND A WAITING PERIOD OF AT LEAST FIVE (5) MINUTES SHOULD PASS BEFORE ATTEMPTING TO LIGHT.

9. When heater is on: the flame should be blue with straight yellow tops. If excessive yellow flame is detected, turn of heater.
10. Re-lighting:

NOTE: FOR YOUR SAFETY, CONTROL KNOB CANNOT BE TURNED OFF WITHOUT FIRST DEPRESSING CONTROL KNOB IN PILOT POSITION AND THEN ROTATING IT TO OFF.

- a. Turn control knob off.
- b. Wait at least five (5) minutes, to let gas dissipate, before attempting to relight Pilot, if you do not wait 5 min, flash out will happen badly.
- c. Repeat the "Lighting" steps
11. Shut Down:
  - a. Turn control knob clockwise to Pilot. (Burner will make a slight popping sound when extinguished). Burner will extinguish but Pilot will remain ON.
  - b. To extinguish Pilot depress control knob and continue to turn it clockwise to OFF.

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NOTE: AFTER USE, SOME DISCOLORATION OF THE EMITTER IS NORMAL.

## AFTER OPERATION

1. Gas control is in OFF position.
2. Gas Tank valve is OFF.
3. Disconnect Gas cylinder.

## CLEANING

TO ENJOY OUTSTANDING PERFORMANCE FROM HEATER, MAKE SURE YOU PERFORM THE FOLLOWING.

1. Use warm soapy water for cleaning. Never use flammable or corrosive cleaning agents.
2. While cleaning unit, be sure to keep the area around the burner and pilot assembly dry at all times. Do not submerge the control valve assembly. If the gas control is submerged in water, do NOT use it. It must be replaced.
  - a. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
  - b. Do not obstruct the flow of combustion and ventilation air.
  - c. Keep the ventilation opening(s) of the cylinder enclosure free and clear from debris.
3. Air flow must be unobstructed. Keep controls, burner, and circulating air passageways clean. Signs of possible blockage include:
  - a. Gas odor with extreme yellow tipping of flame.
  - b. Heater does NOT reach the desired temperature.
  - c. Heater glow is excessively uneven.
  - d. Heater makes popping noises.
  - e. Spiders and insects can nest in burner or orifices. This dangerous condition can damage heater and render it unsafe for use. Clean burner holes using a heavy duty pipe cleaner. Compressed air may help clear away smaller particles.
  - f. Carbon deposits may create a fire hazard.