

## START UP INSTRUCTIONS

1. Connect the POL inlet on the regulator of the heater to the propane cylinder.
2. Open the cylinder valve.
3. Leak test the cylinder connection.
4. Depress the fan switch to the "ON" position. The fan motor will start and air will be pushed through the outlet of the heater.
5. Depress the heat switch to the "ON" position. The burner should ignite and hot air will be pushed through the outlet of the heater.
6. Set the Thermostat to desired temperature.
7. If heater fails to ignite after 3 attempts. follow **troubleshooting** instructions below. If unable to restart heater, call our office at (206) 282-1987. Standard hourly rates apply for service calls deemed operator error (propane, electrical, or blocked exhaust).

## SHUT DOWN INSTRUCTIONS

1. Close the cylinder valve on the propane cylinder.
2. Move both the "FAN" and "BURNER" switches to the "OFF" position.
3. Disconnect heater from the cylinder.

**NOTICE: IMPROPER SHUT DOWN WILL RESULT IN HEATER FAILURE AT CUSTOMERS EXPENSE**

## TROUBLESHOOTING

**PROBLEM: HEATER WILL NOT LIGHT**

**POSSIBLE CAUSE:** Gas Supply.

**REMEDY:** Ensure tanks have fuel, valve is set to open and lines are charged.

**POSSIBLE CAUSE:** Thermostat

**REMEDY:** Ensure that the thermostat is calling for heat (If it is the fan will start). Please note, that as a safety measure the thermostat is equipped with a 10 second delay.

Your heater is equipped with external thermostat, check that the connections are secure and restart the heater. If the heater fails to restart, remove the optional line thermostat and restart the heater to confirm operational status. If the heater starts, replace thermostat.

## TROUBLESHOOTING

**PROBLEM: HEATER WILL NOT REMAIN LIT AFTER START UP.**

**POSSIBLE CAUSE:** Thermostat

**REMEDY:** ENSURE thermostat is calling for heat. NOTE: If the thermostat is not calling

**PROBLEM: NO HEAT, FAN OPERATES**

**POSSIBLE CAUSE:** Rear of heater is blocked.

**REMEDY:** Ensure rear of heater is unobstructed and proper rear clearances are maintained.

**POSSIBLE CAUSE:** If the rear of the heater is obstructed, the snap disc manual reset limit may trip and must be reset manually before the fan can operate.

**REMEDY:** The high temperature limit switch reset button is found behind the louvers on the rear of the heater, **DISCONNECT THE POWER TO THE HEATER.** Use a non-metallic slim tool, insert carefully through the louver opening and push the "RED" button to reset the switch OR remove the louvered rear panel door and push the "RED" reset button. Make certain to re-close the panel before operating the appliance.

**PROBLEM: ELECTRICAL**

**POSSIBLE CAUSE:** Varies, see steps below

**REMEDY: CHECK ALL ELECTRICAL COMPONENTS.**

**1. ENSURE HEATER IS RUNNING OFF A MINIMUM OF A 15AMP DEDICATED CIRCUIT. Running additional equipment off the same circuit will result in power drop and heater failure. Remove all other electrical equipment from circuit.**

**2. ENSURE CIRCUIT GFCI AND BREAKERS ARE NOT TRIPPED. Reset any tripped components, including heater.**

**3. CONFIRM EXTENSION CABLE IS FUNCTIONAL BY SWITCHING OUT OR TESTING INDIVIDUALLY.**

**4. REMOVE THERMOSTAT FROM CIRCUIT AND TEST HEATER FUNCTIONALITY**