

C) TROUBLESHOOTING CHART

TROUBLE	POSSIBLE CAUSE	SOLUTIONS
<i>Heater is not glowing red...</i>	<ul style="list-style-type: none"> ◆ The supply gas pressure is too low. ◆ Improper size of gas piping. ◆ The orifice is clogged. ◆ Incorrect orifice size. 	<ul style="list-style-type: none"> ◆ Check the manifold gas pressure and adjust if necessary. ◆ If you are not sure of the performance, use the NFPA 54 gas pipe sizing table. ◆ Clean the orifice. ◆ See the instructions for correct orifice size and replace if necessary.
<i>Heater will not attain the desired temperature...</i>	<ul style="list-style-type: none"> ◆ There is insufficient heat in the building for heat loss (i.e., not enough heaters). ◆ The thermostat sensing bulb is incorrectly placed. ◆ The thermostat is out of calibration. 	<ul style="list-style-type: none"> ◆ Conduct heat loss and add heaters or other source of heat as necessary. ◆ Reposition as necessary for proper operation. NOTE: The sensing bulb should be shielded from direct radiation to prevent short cycling of the heater. ◆ Recalibrate (if possible) or replace.
<i>Flames flaring up, outside of emitter surface...</i>	<ul style="list-style-type: none"> ◆ The gas pressure is too high. ◆ Incorrect orifice size. ◆ Incorrect type of gas supplied to the heater. ◆ Not enough combustion air. 	<ul style="list-style-type: none"> ◆ Check the manifold gas pressure and adjust if necessary. ◆ See instructions for correct orifice size and replace if necessary. ◆ Check the nameplate to identify the correct type of gas the heater is equipped to operate. ◆ Clean the emitter with compressed air.

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