

BRUEST CATALYTIC HEATERS

Troubleshooting Guide



ANTEC CORPORATION

46303 SE 134th St., PO Box 1609

North Bend, WA 98045

Office: 425-888-9090

Fax: 425-888-6492

Mobile: 206-660-1311

Concerning the problem of your Heater going off after a couple of days... Let's start at the beginning:

1. With the unit cold and the gas turned off, install a tee in the line just ahead of the Baso Safety Valve (the one w/the bottom you push). Install a gauge. The gauge needs to be an Oz. gauge or W.C. gauge.
2. Install a tie rap on the Baso Safety Valve button ... holding it down. Turn your gas back on to the unit.
3. If you have a thermostat, turn it to the highest setting or wide open. This will open the valve.
4. Check your reading on the gauge, if it does not read 3.5" w.c. or 2 oz., you need to go to the 912 fisher and adjust it to the proper reading. What you will be seeing is a full flow from the regulator through the orifice into the pad.
5. Turn the thermostat down to the lowest setting, you should see a reading of 1 – 1.5" w.c. or approximately 1 oz. This will show the thermostatic gas valve is working properly. *NOTE: 3.5" w.c. of gas is giving the unit full capacity. 1" w.c. cuts the unit to half its capacity or 50%. This is the cycle of the thermostatic gas valve.*
6. If the gauge goes to zero when the thermostat is turned down to lowest setting, the thermostat is stopped up – or – there is something wrong mechanically and should be replaced.
7. Cut the tie rap off the Baso Safety Valve.
8. Check your thermocouple by putting the unit on preheat. Remove the thermocouple from the Baso Safety Valve, leaving the other end of the thermocouple in the heater. Take your Volt meter and place the setting on the volt meter on Milivolts. Put one probe on the end of the thermocouple and the other probe on the tubing. Your reading should be 10-15 milivolts. This shows the thermocouple is generating.
9. Start your heater up. If it stays running you have solved the problem. If the unit goes out again after a couple of days, replace the Baso Valve.
10. On Bigger units with dual heater pads in the 1836 up to 2460 size ranges, start one heater pad at a time. Initiate powered preheat on the first unit for at least 10 minutes before applying gas. After 10 minutes (the back of the housing should feel hot = fully preheated) apply gas WITH continued preheat for another 15 minutes. These steps should enable full startup. Repeat the same steps on the second unit.
11. If all your regulators are set, your thermostatic gas valve, thermocouple and Base Safety Valves are operating, the only thing left is **"you have a bad pad"**. This means replacement. Most Bruest Catalytic Heaters can be rebuilt at the Bruest Catalytic Heater factory in Independence, Kansas.