

THERMOSTAT INSTALLATION INSTRUCTIONS

Catco catalytic heaters can be equipped with a snap-acting hydraulic thermostat to provide temperature control by interrupting the gas flow to the heater. The thermostats feature a dial capable of adjusting the temperature setpoint at which the fuel supply is interrupted. The temperature is measured by the temperature sensing bulb attached to the body.

SPECIFICATIONS

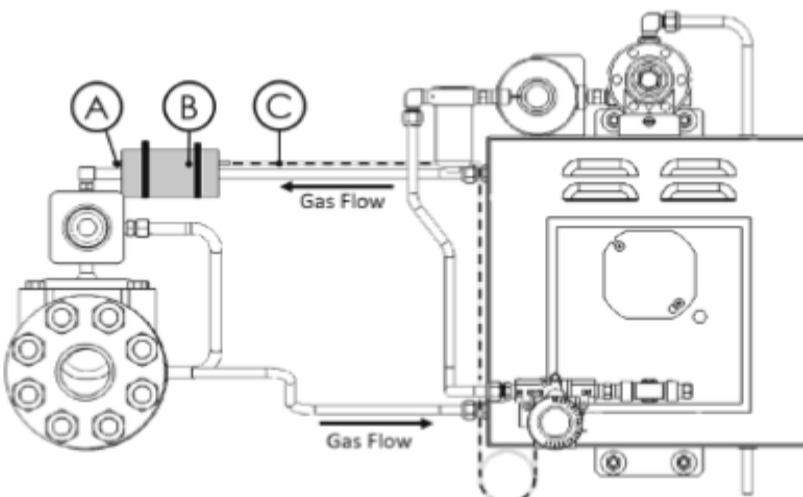
Part Number	40-030	40-006
BTU Range	<24,000 BTU/hr	<100,000 BTU/hr
Connection	3/8" NPT	1/2" NPT
Temperature Range	60 - 250 °F	50 - 200 °F
Capillary Length	60"	84"
Maximum Input Pressure	0.5 psi	0.5 psi

**The 40-006 has a more robust design and is built to support larger volumes of gas in comparison to 40-030. The 40-006 may be used in place of the 40-030, but the 40-030 may not be used in place of the 40-006 for all sizes.*



INSTALLATION

1. The thermostat is to be installed in the fuel gas train upstream of the heater and downstream of the low-pressure regulator.
2. The temperature sensing bulb should not be directly in front of the catalytic heater, but should be in a location to sense the temperature in the building, relevant space, or piping.
3. For Space Heating applications, the bulb should be in a location similar to a thermostat for a central heating or cooling.
4. Tie straps or clips may be used to mount the bulb to the wall, but the bulb is fragile and will not operate if crushed.
5. For Instrument Gas Heaters, the bulb should be placed against the tubing as close as possible to the pilot or instrument utilizing the heated gas. The supplied insulation and zip ties should be used to secure the bulb in place (See diagram below).



- A. Temperature sensing bulb
- B. Insulation and zip ties
- C. Thermostat Capillary

OPERATION

- The red dot indicates the dial setpoint:
 - 1 - lowest temperature
 - 10 - highest temperature
- Turn the dial clockwise to increase the temperature set point; turn the dial counter-clockwise to decrease the temperature set point.
- The temperature ranges available vary by thermostat size.
- When the temperature sensing bulb on the thermostat detects that the set point has been reached, the thermostat actuates. A 50% gas supply flows through a bypass orifice to the heater to sustain the catalytic reaction.

COMPATIBILITY

Heater Size	40-030	40-006
8RD	X	X
12RD	X	X
66	X	X
88	X	X
612	X	X
1012	X	X
1212	X	X
624	X	X
1224	X	X
1236	X	X
1248		X
2424		X
1836		X
1260		X
1848		X
1860		X
2448		X
2460		X
2472		X