

Instructions for the Installation of the Purge Gas Heater Into a High-Vacuum Pump System

Purpose

For use with the Purge Gas Heater Kit (CTI-CRYOGENICS Kit No. 8080250K020).

Kit Contents

Item Number	Description	Quantity
1	Purge Gas Heater	1
2	3-Pin Receptacle	1
3	Female Crimp Socket	3
4	Instruction Sheet (No. 8040146)	1

The purge gas heater is electrically operated and may be controlled by the CTI-CRYOGENICS REGEN™, or it may be used separately.

The purge gas heater is rated at 115 VAC, 50/60 Hz, 90 Watts. Maximum rated pressure is 250 psig. Normal operating pressure is 30 psig.

To install the purge gas heater (Figure 1), proceed as follows:

1. Plumb the purge gas heater (gas-out fitting) directly to the purge gas valve, using the 1/4-inch Swagelok fitting provided. Hand tighten the brass Swagelok nut and then tighten an additional 1-1/4 turns using a wrench.
2. Plumb the purge gas heater (gas-in fitting) to the purge gas supply regulator, using suitable materials. The heater inlet tube is 1/4-inch OD copper tubing.

NOTE: If the purge gas heater is not being used in conjunction with a CTI-CRYOGENICS REGEN, the supplied female connector can be used to connect the purge gas valve to your system. This work must be done by qualified personnel in accordance with National, State, and Local Codes.

3. After installation, verify the purge gas heater operation by using the REGEN in the MANUAL MODE (refer to the REGEN Manual 8040137).

NOTE: If this device is not being used in conjunction with a CTI-CRYOGENICS REGEN, operation can be verified by connecting 115 VAC to Pins #1 and #2, Pin #3 is ground.

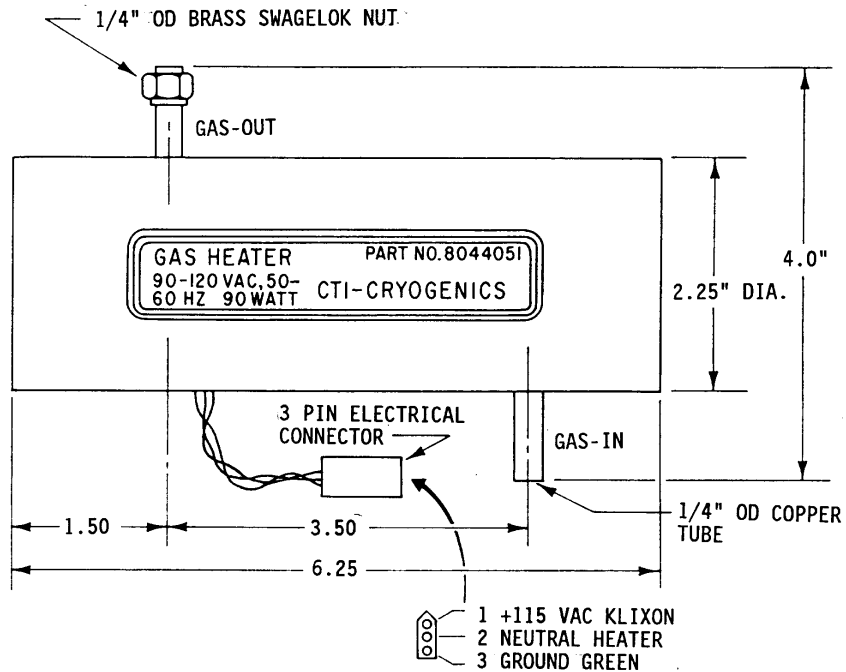


Figure 1: Purge Gas Heater