



## **INSTALLATION INSTRUCTIONS UL LISTED AIR/NON-EXPLOSIVE GAS HEATERS**

**INSTALLATION** The gasket surface should be clean and dry before the heater is seated. The terminals must be protected at all times from moisture or vapor. The heaters should be inspected periodically for coatings and corrosion, and cleaned if necessary.

**LOW MEGOHM CONDITION** The refractory material used in electric heaters may absorb some moisture during transit storage or when subjected to a humid environment. This moisture absorption corrects itself after heat-up and does not affect the heater efficiency or life. A low megohm condition can be easily corrected by removing the terminal hardware and baking the heater in an oven at 250°F to 350°F for several hours, preferably overnight. For a particular point not covered, write GAUMER COMPANY, INC. giving a full description of the application.

**THERMOSTAT (THERMAL CONTROL DEVICE)** Heaters may be provided with thermocouple or capillary tube and thermostat (thermal control device). Thermocouple or capillary tube, when used, shall be routed away from uninsulated live voltage parts. In addition, if a factory installed thermostat (thermal control device) is not provided by the manufacturer, it is the customer's responsibility to provide and install a suitable thermostat (thermal control device). The sensing means for the thermostat (thermal control device) is to be mounted in the exhaust air stream and the limit for the thermostat (thermal control device) shall be no higher than a maximum of 1000°F.

**HIGH LIMIT CONTROL** If no high limit sensor or high limit control is furnished with heater it is the customer's responsibility to provide and install a suitable high limit control. The sensing means for the high limit sensor or control is to be attached to the heater sheath and the limit for the control or sensor shall be set no higher than a maximum of 1500°F.

**ELECTRICAL CONNECTIONS** Heaters purchased with moisture resistant terminal covers should be wired with rigid conduit connections in keeping with the requirements of the National Electrical Code and local codes for the particular installation. If temperature will not exceed 400°F, the electrical wiring can be insulated copper wire. A high temperature wire should be used where temperature may exceed 400°F. (Contact GAUMER COMPANY, INC. for type RHTW 1200°F 600 Volt rated wire).

**GENERAL INFORMATION** Heaters with 120 volt or 240 volt elements can be connected in series for high voltage operation except when uneven wattage is supplied on the respective elements. Bending the heating elements is not recommended. If bending is necessary, contact GAUMER COMPANY, INC. Do not remove the heater from the tank while connected to the power supply.

**CORROSION OF METAL** The sheath is believed to be satisfactory for heating air or non-explosive gas. The rate of corrosion is affected by temperature, impurities in the solution, etc. GAUMER COMPANY, INC., therefore, cannot guarantee this unit against damage resulting from operating condition beyond our control. Electric units for heating various gases are subject to customer's approval.

**WARRANTY** Seller warrants its products to be free from defects in material and workmanship under normal use and maintenance as herein provided. Seller's sole obligation under this warranty shall be limited to repairing, replacing or allowing credit for, at Seller's option, any product which under normal and proper use and maintenance proves defective in material or workmanship within one (1) year after delivery to buyer, provided however, that notice of any such defect and satisfactory proof thereof is promptly given by Buyer to Seller, and thereafter such product is returned to Seller, with transportation charges prepaid, and Seller's examination proves such product to have been defective.

This warranty does not apply in respect of damage to any product or accessory or attachment thereof caused by misuse, neglect or accident, nor does this warranty apply to any product which has been repaired or altered in any way which, in the sole judgment of the Seller, affects the performance, stability or general purpose for which it was manufactured. Performance of Seller's products or systems for specific applications is warranted only in cases where Seller has sole responsibility for product and system concept, design, and selection of components, manufacture and installation. Wherever Buyer has specified that certain components be used, such products or system performance warranties are limited to that consistent with the performance specified by the manufacturers for the components so employed. For goods, products and/or equipment or systems only sold by Seller and manufactured by others, Seller only passes such manufacturer's warranties on to Buyer.

13616 Hempstead Road · Houston, Texas 77040 · (713) 460-5200 · (800) 460-5200

Fx: (713) 460-1444 · Fx: (800) 460-5700 · [www.gaumer.com](http://www.gaumer.com) · [sales@gaumer.com](mailto:sales@gaumer.com)

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