Model SG7500
High Flow Electric Heater for Nonflammable Gases

Model SG7500 Electric Heaters are designed for use with nonflammable liquefied compressed gases to prevent regulator freeze-up and to assure uniform temperature under high flow conditions. Connected between the cylinder valve and a suitable regulator, the thermostatically controlled heater warms the gas stream allowing for flow rates up to 1000 scfh* (CO2) without regulator freeze-up.

The heater is designed with a dry heat exchange medium made of aluminum and continuous high pressure stainless steel tubing with no internal joints.

**Standard Features**
- Heavily Insulated Cabinet remains “cool”.
- Flow can be in either direction without loss of efficiency.
- Mounting Bracket provides for convenient, wall mount installation.
- Heater can be left on indefinitely, even under no-flow conditions, without resultant damage.
- C.S.A. Approved

**Optional Features**
- Manifold Adapter Block provides a means to install heater between gas cylinder and regulator with CGA connections.

**Specifications**
- Maximum Operating Pressure: 3600 psig
- Maximum Flow Rate: 1000 scfh for CO2* (at initial gas temperature 0°F and 170°F outlet)
- Voltage: 120 VAC
- Power: 1000 watts, 8.3 amps
- Thermostat Setting: 170°F ± 5°F
- Power Cord: 6 ft., 3-wire UL/CSA listed
- Tubing: 5/16” OD x .049 wall x 7” long
- Inlet and Outlet Connections: Male tube connectors (2) supplied: 1/4” NPT male x 5/16” compression
- Dimensions: 11” x 5 1/2” x 4 1/4”
- Mounting Holes: 3 inch O/C
- Approximate Weight: 11lbs.

**Materials of Construction**
- Inlet and Outlet Connections: Type 316 Stainless Steel
- Tubing: Type 304 Stainless Steel
- Cabinet: Metal Enclosure

* Capacities for other gases will vary, depending of their specific heat.

**Table I**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG7500</td>
<td></td>
</tr>
</tbody>
</table>

**Optional Equipment**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brass Manifold Block with Brass CGA 320 x CGA 320 adapter</td>
<td>14-SS-320</td>
</tr>
<tr>
<td>Brass CGA 326 x CGA 326 adapter</td>
<td>14-SS-326</td>
</tr>
<tr>
<td>Brass CGA 580 x CGA 580 adapter</td>
<td>14-SS-580</td>
</tr>
</tbody>
</table>