The Instrument Gas Preheater is the preferred solution for the natural gas industry, providing freeze protection for instrument supply gas, pilot actuated regulators and related applications.

Features

- Stainless steel enclosure with both single & dual coil models
- Cata-Dyne™ heaters are CSA and FM certified, available in both natural gas and propane
- Operates for extended periods, without maintenance
- The compact unit helps eliminate the need for a separate facility to keep gas temperatures optimal
- Often used for gas chromatographs, valves, pilots and other low flow instruments
- Custom sizes and designs available

Table 13 – Instrument Gas Preheater

<table>
<thead>
<tr>
<th>Part #</th>
<th>Coils</th>
<th>Heater Size</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGP-01-__0808</td>
<td>Single Pass</td>
<td>8 x 8</td>
<td>6</td>
<td>152</td>
<td>14</td>
</tr>
<tr>
<td>IGP-02-__0808</td>
<td>Double Pass</td>
<td>12 x 12</td>
<td>5</td>
<td>127</td>
<td>18</td>
</tr>
</tbody>
</table>

Table 1

<table>
<thead>
<tr>
<th>Model series</th>
<th>W - WX Series</th>
<th>H - BX Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>0808 - 8&quot;</td>
<td>1212 - 12&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Model Coding

IGP 02 Heater Type A

Options

A – Appliance regulator (factory matched to heaters)
B – Service regulator (low pressure, 250 psig - 11" w.c.)
B1 – Service regulator (low pressure, 250 psig - 4" w.c.)
C – Service regulator (high pressure, 6000 psig - 50 psi)
M – Wall mount bracket (not applicable to HEA)
M1– Pipe mount bracket (2" pipe size, U-Bolt mount)
T – Thermostat [regular, 32°F - 104°F, factory matched to heater(s)]
T1 – Thermostat
T2 – Thermostat (high temperature, 60°F - 250°F)
V – Relief valve (Fisher 289U 5"-25" w.c.)
V1 – Relief valve (Fisher H120, 120 psi)

Note: Please call factory for other voltages and heater sizes.
Enclosure Request for Quote Form

Enclosure Type

- [ ] Regulator
- [ ] Pipe Preheater
- [ ] Rotary Meter
- [ ] Motor Valve
- [ ] Orifice Fitting
- [ ] Super Conductor
- [ ] Instrument Gas Preheater
- Other (please specify):

Device to Be Enclosed

Type of manufacturer, size, model:

Temperature

- Gas inlet before device: [ ] °F [ ] °C
- Temperature limit of enclosed device: [ ] °F [ ] °C
- Gas outlet after device: [ ] °F [ ] °C

Piping

- Diameter: Inlet (in) [ ] Outlet (in) [ ]
- Design temperature: [ ] °F [ ] °C
- Design pressure (psig): [ ]

Pressure

- Gas inlet before regulator or enclosure (psig): [ ]
- Gas outlet after regulator of enclosure (psig): [ ]

Gas Flow

- Maximum: [ ] SCFM
- Minimum: [ ] SCFM

Type of Gas Being Heated

- [ ] Natural Gas
- [ ] Super Conductor
- Other (please specify):

Electrical/Controls

- Supply Power: [ ] V

Hazardous Physical Dimensions Restrictions

- Maximum: [ ] L [ ] W [ ] H
- Minimum: [ ] L [ ] W [ ] H

Other Field Restrictions (please specify):

Available Drawings/Sketches: [ ] Yes (please attach) [ ] No
Available Photos: [ ] Yes (please attach) [ ] No

Options

- Manual Shut-off Ball Valve
- Filter: [ ] H₂S [ ] Water [ ] Oil [ ] Particles
- Filter Bypass Line

Thermostat Control

- High temperature controller: 60°F to 250°F (15°C to 121°C)
- Temperature controller: 32°F to 110°F (0°C to 43°C)

*Please provide complete contact information when submitting request for quote.