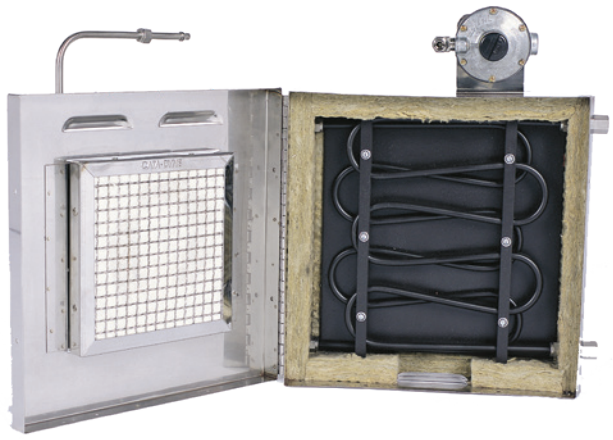
Instrument Gas Preheaters

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 12 – Instrument Gas Preheater

Part #	Coils	Heater Size	Length		Width		Height	
		in	in	mm	in	mm	in	mm
IGP-01-__0808	Single Pass	8 x 8	6	152	14	356	14	356
IGP-02-__0808	Double Pass						18	457
IGP-01-__1212	Single Pass	12 x 12	5	127	18	457	18	457
IGP-02-__1212	Double Pass						18	457

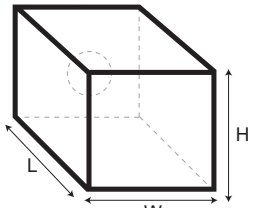


Figure 7

Model Coding

IGP 02 Heater Type A

Model Series
IGP – Instrument Gas Preheater

01 – Single Pass
02 – Double Pass

W	0808	1	1	1	1	1	1
Model series W - WX Series H - BX Series	0808 - 8" 1212 - 12"	Heater Voltage 1 - 12V 2 - 120V 4 - 240V	Thermal Sensor	Catalyst Pad 1 - WX 2 - BX	Fuel Rating 1 - Natural Gas (7" W.C.) 2 - Propane (11" W.C.) 3 - Natural Gas (3.5" W.C.) 4 - Natural Gas (4.5" W.C.)	Certification 1 - CSA 2 - FM	Box Bracket Style 1 - Short side

Note: Please call factory for other voltages and heater sizes.

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)

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

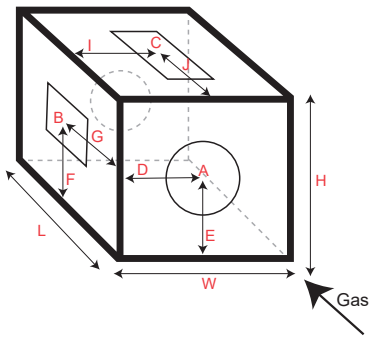
Supply Power: V

Hazardous Physical Dimensions Restrictions

Maximum: L W H

Minimum: L W H

Dimension Size:



A E I

B F J

C G

D 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: ☐ H_2S ☐ 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.