

# 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

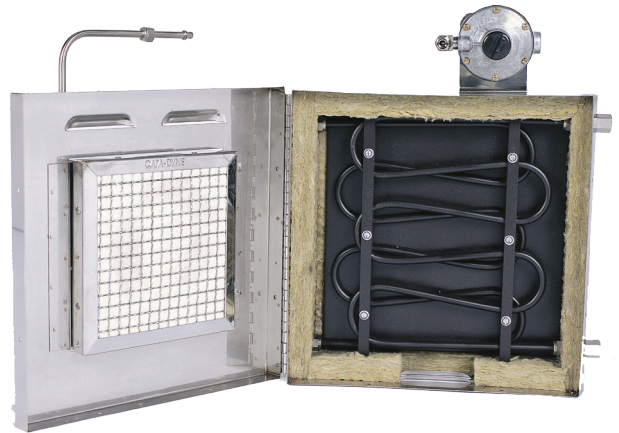


Table 13 – Instrument Gas Preheater

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

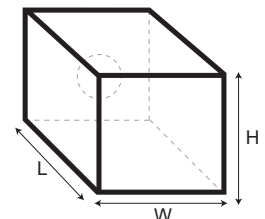
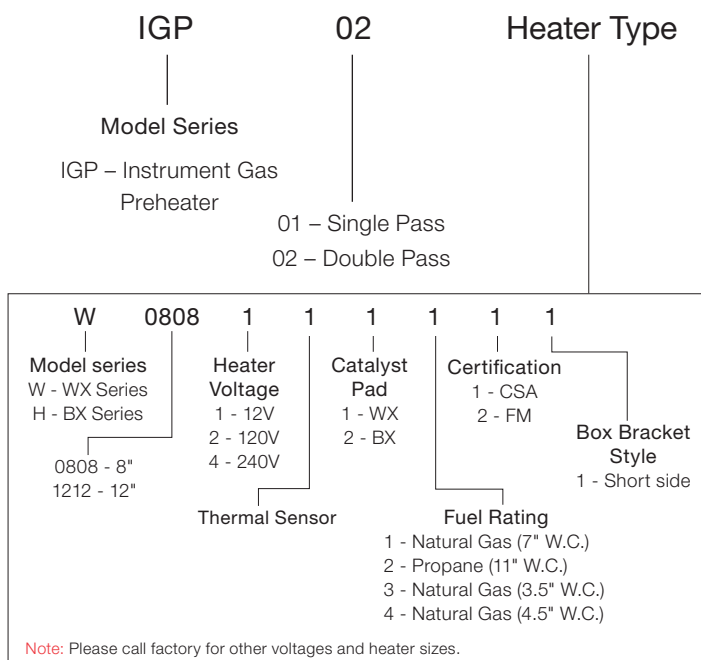


Figure 7

## Model Coding



## 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)

# Enclosure Request for Quote Form

## Enclosure Type

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

## 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

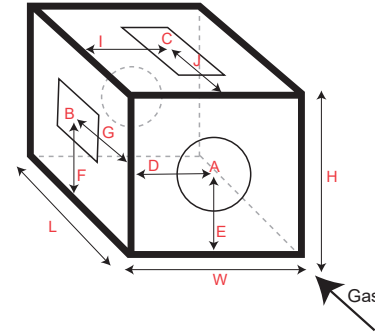
- Supply Power:  V

## 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<sub>2</sub>S     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.