

MODEL HFS FLUSH GAS CONTROL STATION

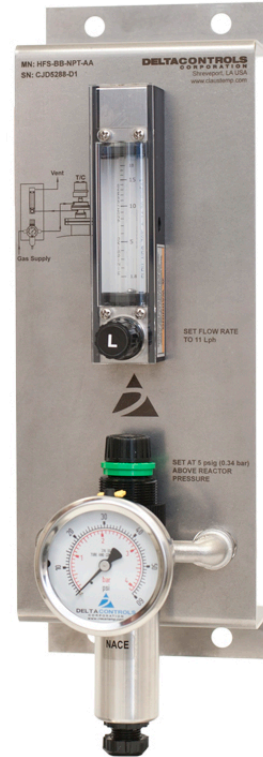
For use with Models HTX and HTP Thermocouples

FEATURES

- Accurate flush gas pressure and flow control insures maximum temperature sensing accuracy
- Corrosion resistant, suitable for the severe environments of sulfur recovery units
- All stainless steel NACE compliance available
- Mounts on a vertical surface or 2" pipe stand
- 5 micron filter traps particulates and prevents plugging of the thermocouple internal passages

APPLICATION

The Model HFS flush station is designed to work with the Models HTP & HTX Claus Furnace Thermocouples. It maintains the pressure inside the thermocouple body at approximately 5.0 PSIG (0.34 Bar) above the maximum furnace operating pressure. This prevents any possible contamination of the thermocouple junction by reaction gases entering the thermocouple through any small leaks. To avoid measurement errors, the HFS accurately controls the gas flow rate through the thermocouple preventing any error caused by flush gas cooling the thermocouple junctions.



SPECIFICATIONS

Flow Range:	2-17 LPH
Supply Pressure:	25 - 250 PSIG (1.75-17 bar)
Supply Gas:	Nitrogen
Pressure Indicator:	2.5"Ø; 0-60 PSIG (0-4 bar) All stainless steel internal and external parts
Flow Control:	Constant mass flow rate type
Pressure Control:	2 - 50 PSIG (0.1 - 3.5 bar)
Filter:	5 micron sintered polypropylene
Drain:	Manual valve
Meter body:	Stainless steel
Pressure Body:	Stainless steel
Connection Fittings:	Stainless steel, 1/8" FNPT (other connections sizes & types available)
Mounting Plate:	Stainless steel
Pipe Clamps:	Stainless steel