

SP2000-H/GVW1

Gas Pre-Heater Series SP®

Version SP2000-H/GVW1(2)

Special Features

- Prevents temperature drop below the dew point inside the probe
- Factory assembly
- 2 variants with one or two paths

Application

The M&C GVW1(2) gas pre-heater is used to pre-heat the backpurging or dilution gas of gas sample probes of the SP2000 series in order to prevent possible cooling down inside the gas sample probe. Subsequent problems related to temperatures drops below the dew point resulting in malfunction and corrosion are thus avoided.

Description

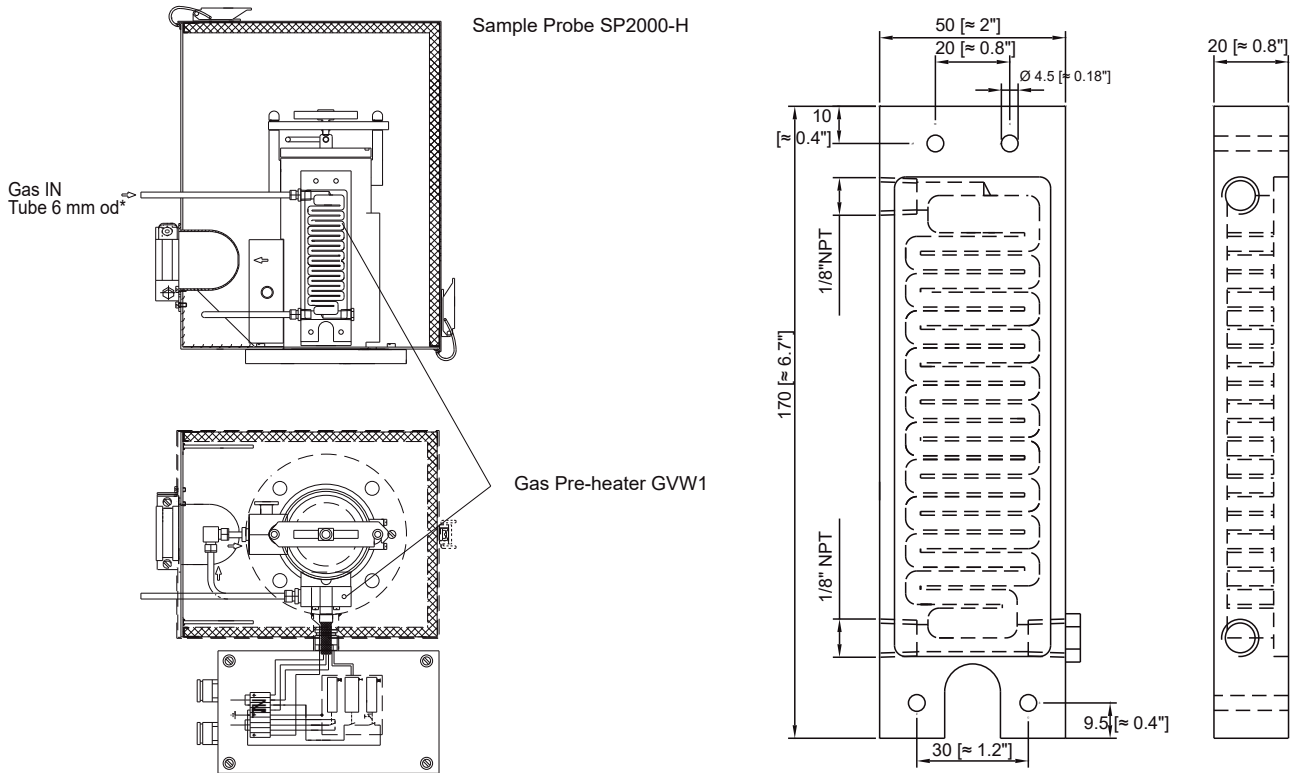
The M&C gas pre-heaters GVW1(2) consist of heat exchanger plates made of stainless steel and can be directly mounted to the heating system of the sample probe series SP2000-H.

The pre-heater type GVW2 is especially designed for the dilution probes SP2000-H/DIL. With its two gas paths, dilution gas as well as bypass gas can be pre-heated to achieve faster response times.

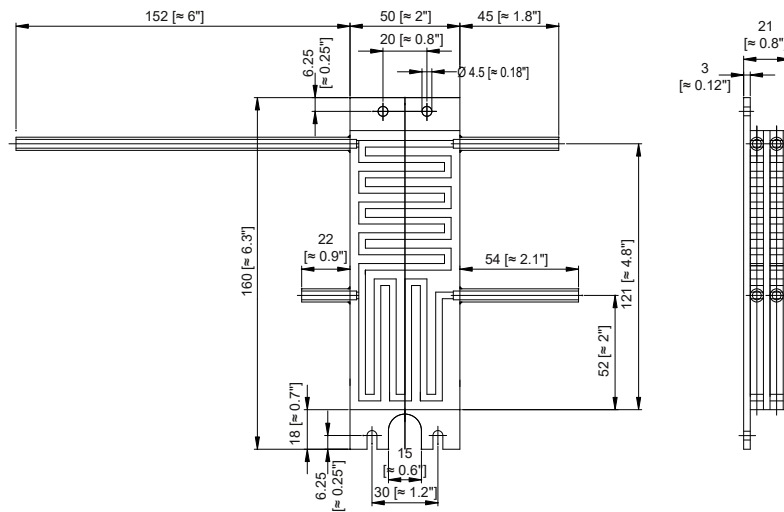
The optional backpurging connection to the probe of series SP2000-H is ensured via a 6-mm-tube (standard).

Dimensions

GVW1



GVW2



Dimensions in mm [Inches]

Technical Data

| | Version GVW1 | Version GVW2 |
|-------------------------------|---|--------------|
| Part No. | 20S9058 | 20S9060 |
| Material | Stainless steel SS 316Ti | |
| Operating temperature max. | 350 °C [662 °F] | |
| Operating pressure max. | 6 bar g | |
| Flow rate max. | -R, 2 bar inlet pressure: 3.0 m ³ /h, with constant outlet temperature | |
| (GVW2 1/2 value per gas path) | -R, 6 bar inlet pressure: 8.5 m ³ /h, with outlet temperature drop of 10 °C in 1 min | |
| Gas connections | GVW1: 1/8" NPT i, GVW2: 6-mm-tube | |
| Option | SP2000-H/GVW, Part No. 20S9062 connection from the pre-heater GVW1 to the backpurging/calibration gas valve /R and gas inlet via 6-mm-tube made of SS 316Ti . | |