



Sample gas probe GAS 222.20 Denox

In many applications gas analysis is key for safe and efficient control of process flows, environmental protection, and quality assurance. In extractive gas analysis the location of the gas sampling point is crucial for the reproducibility and accuracy of the analysis results.

The specific filter capacity, corrosion resistance and functional equipment requirements for the probe arise from the composition of the sample gas.

Heated probe with downstream filter and weather hood

The downstream filter can easily be removed by turning the handle 90°

Electronic temperature controller up to 280 °C with Pt100

For dust loads up to 2 g/m³

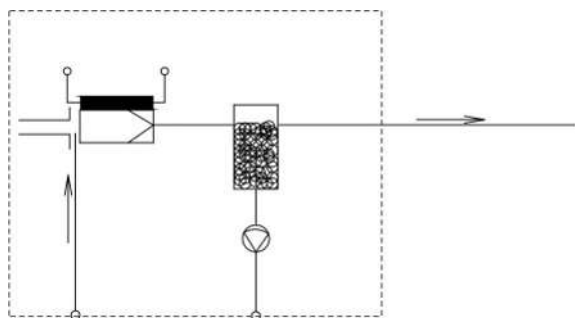
This probe is not suitable for use in Ex areas

Built-in glass bead receptacle

Anti-freeze heater optional



Flow diagram



Technical Data

Gas Probe Technical Data

| | |
|-------------------------------|---|
| Operating temperature: | max. 280 °C |
| Operating pressure: | 90 kPa...100 kPa |
| Controller temperature range: | +50 °C to +280 °C |
| Ambient temperature: | +5 °C to +50 °C* without anti-freeze heater -20 °C to +50 °C* with optional anti-freeze heater |
| Electrical data: | 230 V 50 Hz 650 W 3 A / 115 V 60 Hz 650 W 6 A |
| IP rating: | IP44 |
| Parts in contact with media: | 1.4571, glass, PVDF, Norprene, Viton, PTFE |

* the ambient temperature upper limit varies by inlet dew point and gas composition.

Options

The base unit becomes functional by adding accessories suitable for the application. Please refer to accessory data sheet no. 461099 for information.

Please also refer to data sheet no. 461000 "GAS 222 Gas Probes" for a general description.

Ordering Instructions

The item number is a code for the configuration of your unit. Please use the following model code:

| | | | | | | | | |
|---------|---|---|---|---|---|---|-------|-------------------------------|
| 4622250 | X | X | X | X | X | 0 | 0 | Product Characteristics |
| | | | | | | | | Flange |
| | 1 | | | | | | | DIN DN65 PN6 |
| | 2 | | | | | | | ASME DN3"-150 |
| | | | | | | | | Voltage |
| | 1 | | | | | | | 115 V |
| | 2 | | | | | | | 230 V |
| | | | | | | | | Calibrating gas connection |
| | 0 | | | | | | | no calibrating gas connection |
| | 1 | | | | | | | 6 mm |
| | 2 | | | | | | | 6 mm + check valve |
| | 3 | | | | | | | 1/4" |
| | 4 | | | | | | | 1/4" + check valve |
| | | | | | | | | Anti-free heater |
| | 0 | | | | | | | without anti-freeze heater |
| | 1 | | | | | | | with anti-freeze heater |
| | | | | | | | | Connections |
| 1 | | | | | | | Left | |
| 2 | | | | | | | Right | |

Dimensions

