

## Sample gas probe GAS 222.17

In many applications gas analysis is the 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.

However, operating costs are also an important criterion in the selection, as the sampling points are frequently located at hard to access points in the system. Effective particle filter backwashing options and low maintenance characterise the extensive GAS probe series.

Heated probe with downstream filter and weather hood

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

The probe body and the area around the screw connection for the heated sample gas line are completely insulated

Self-regulating heater to approx. 180 °C with low temperature alarm

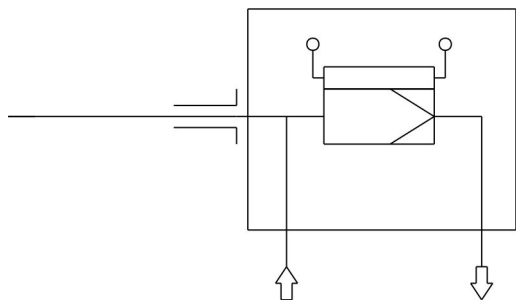
For dust loads up to 2 g/m<sup>3</sup>

This probe is not permitted for use in Ex areas

Optional coating of parts in contact with media using SilcoNert® 2000



**Flow chart**



**Technical Data**

**Gas Probe Technical Data**

Probe operating temperature:	max. 200 °C
Ambient temperature:	-20 to +80 °C
Self-regulating heater:	+180 °C
Low temperature alarm:	Contact open at operating temperature, closes at < 140 °C Max. switching current 4 A
Electrical data:	230 V, 2.0 A, 50/60 Hz 115 V, 3.8 A, 50/60 Hz
Protection class:	IP54
Max. operating pressure:	6 bar
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404 and see filter Optional coating with SilcoNert® 2000 *

\*The SilcoNert® 2000 coating forms a layer of hydrogenated, amorphous silicon on the surfaces of the measuring gas probe that are in contact with media. It is applied by chemical vapour deposition (CVD), which creates a uniformly thin layer on the surface. SilcoNert® 2000 is temperature-resistant up to 400 °C, chemically inert and hydrophobic. The coating is resistant to many chemically corrosive liquids. If you are unsure about the suitability for specific gas matrices, please contact Bühler Technologies GmbH.

**Ordering instructions**

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

4622217	X	9	9	0	3	X	0	0	9	9	9	9	9	9	SN	Product characteristic
																<b>Flange</b>
																DIN DN65 PN6
																ANSI 3"-150 lbs - with CSA C & US approval
																ANSI 3"-150 lbs - without CSA C & US approval
																<b>Power supply sample probe</b>
																115/230 V
																<b>Calibrating gas connection</b>
																No calibrating gas connection
																6 mm
																6 mm + check valve
																1/4"
																1/4" + check valve
																<b>Glass coating of parts in contact with media</b>
																SN SilcoNert® 2000 <sup>1)</sup>

<sup>1)</sup> Extends delivery time by approx. 6 weeks.

**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.

Dimensions

