



## Sample gas probe GAS 222.11 Ex2

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.

Versions with Atex and IECEx approval

Unheated probe with shut-off valve and/or inlet filter

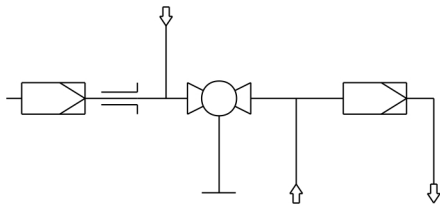
The filter element can easily be removed by turning the handle 90°

For dust loads up to 2 g/m<sup>3</sup>, non-condensable gases. Combined with inlet filter up to 10 g/m<sup>3</sup> and higher

The probe is suitable for use in explosive areas



**Flow chart**



**Technical Data**

**Gas Probe Technical Data**

Ambient temperature without accessories:	-20 to +80 °C	
Ambient temperature for accessories:	<b>Component</b>	<b>Ambient temperature range</b>
	Valve for pressurized air:	-30 °C < T <sub>amb</sub> < +55 °C
	Solenoid valve for pneumatic actuator:	-10 °C < T <sub>amb</sub> < +55 °C
	Pneumatic actuator:	-20 °C < T <sub>amb</sub> < +80 °C
	Limit switch:	-25 °C < T <sub>amb</sub> < +60 °C
	Junction box:	-20 °C < T <sub>amb</sub> < +70 °C
Max. gas inlet temperature:	+195 °C (T3)/+130 °C (T4)	
Medium temperature (blowback):	<b>Component</b>	<b>Medium temperature range</b>
	Valve for pressurized air:	-10 °C to +80 °C
	Solenoid valve for pneumatic actuator:	-10 °C to +100 °C
Max. operating pressure	6 bar	
Material:	1.4571; ball valve 1.4408	
Parts in contact with media:	Seals: Graphite/1.4404 and see filter	
Markings:	ATEX:  II 3G Ex ec mb IIC T3/T4 Gc IECEX: Ex ec mb IIC T3/T4 Gc	



