



## Sample gas probe GAS 222.11 ANSI CSA

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.

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

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

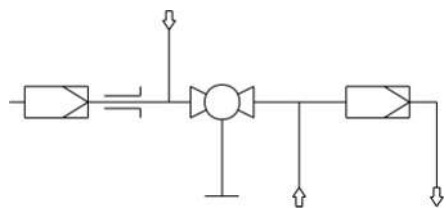
For dust loads up to 2 g/m<sup>3</sup>, non-condensable gases. Combined with upstream filter up to 10 g/m<sup>3</sup> and higher

The probe has no innate ignition source and is therefore suitable for use in Ex areas.

"CSA C & US" approval only when used with 3" 150lbs. ANSI flange



## Flow diagram



## Technical Data

## Gas Probe Technical Data

Operating temperature:	max. 395 °F
Max. operating pressure:	85 psia
Material:	Ball valve 1.4408
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404 and see filter

## Ordering Instructions

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

4622211	1	9	9	0	0	X	0	0	X	X	X	X	9	X	Product Characteristics
															<b>Flange / approval</b>
															ANSI 3"-150 lbs <sup>1)</sup>
															<b>Power supply sample probe</b>
															none
															<b>Calibrating gas connection</b>
															0 No calibrating gas connection
															1 6 mm
															2 6 mm + check valve
															3 1/4"
															4 1/4" + check valve
															<b>Connection heated extension</b>
															No
															<b>Built-in temperature controller for heated extension</b>
															No
															<b>Blowback with air reservoir <sup>2)</sup></b>
															<b>Air reservoir heating</b>
															1 Yes
															9 No
															<b>Built-in blowback control</b>
															9 No
															<b>Pressure valve/valve voltage information</b>
															0 Manual
															1 120 V 60 Hz
															2 240 V 60 Hz
															9 None (if no blowback requested)
															<b>Pneumatic drive for ball valve</b>
															0 Manual
															1 Monostable pressure-free open
															2 Monostable pressure-free closed
															9 N/A
															<b>Limit switch for pneumatic drive</b>
															No
															<b>Control valve for pneumatic drive</b>
															3 3/2-way valve
															9 No control valve

<sup>1)</sup> Probes with ANSI flange are CSA and C-US approved

<sup>2)</sup> In the case of flammable gases, always use inert gas for blowback. Probe blowback prohibited when using explosive sample gas!

## 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.

