



Sample gas probe GAS 222.20 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.

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 isolated

Electronic temperature controller up to 200 °C with low/high temperature alarm and display

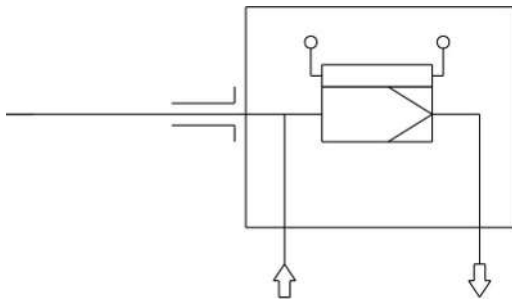
For dust loads up to 2 g/m³

This probe is not 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

Probe operating temperature:	max. 200 °C
Controller temperature range:	+50 to +200 °C
Ambient temperature:	-20 to +70 °C (can be limited by optional add-ons)
Low/high temperature alarm:	Alarm adjustable ±5...30 K from setpoint, factory preset to 15 K. Max. switching current 1 A
Electrical data:	230 V, 2.0 A, 50/60 Hz 115 V, 3.8 A, 50/60 Hz
Max. operating pressure:	6 bar
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404 and see filter
IP rating:	IP54

Ordering instructions

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

4622220	1	9	9	0	X	X	X	X	9	9	9	9	9	9	9	Product Characteristics
														Flange		
														ANSI 3"- 150 lbs ¹		
														Voltage		
1														115 V		
2														230 V		
														Calibrating gas connection		
0														no calibrating gas connection		
1														6 mm		
2														6 mm with check valve		
3														1/4"		
4														1/4" with check valve		
														Connection, heated line		
0														No		
1														Yes		
														Built-in temperature controller for heated extension		
0														No		
1														Yes		

¹⁾ Probes with ANSI: Flanges are CSA and C-US certified.

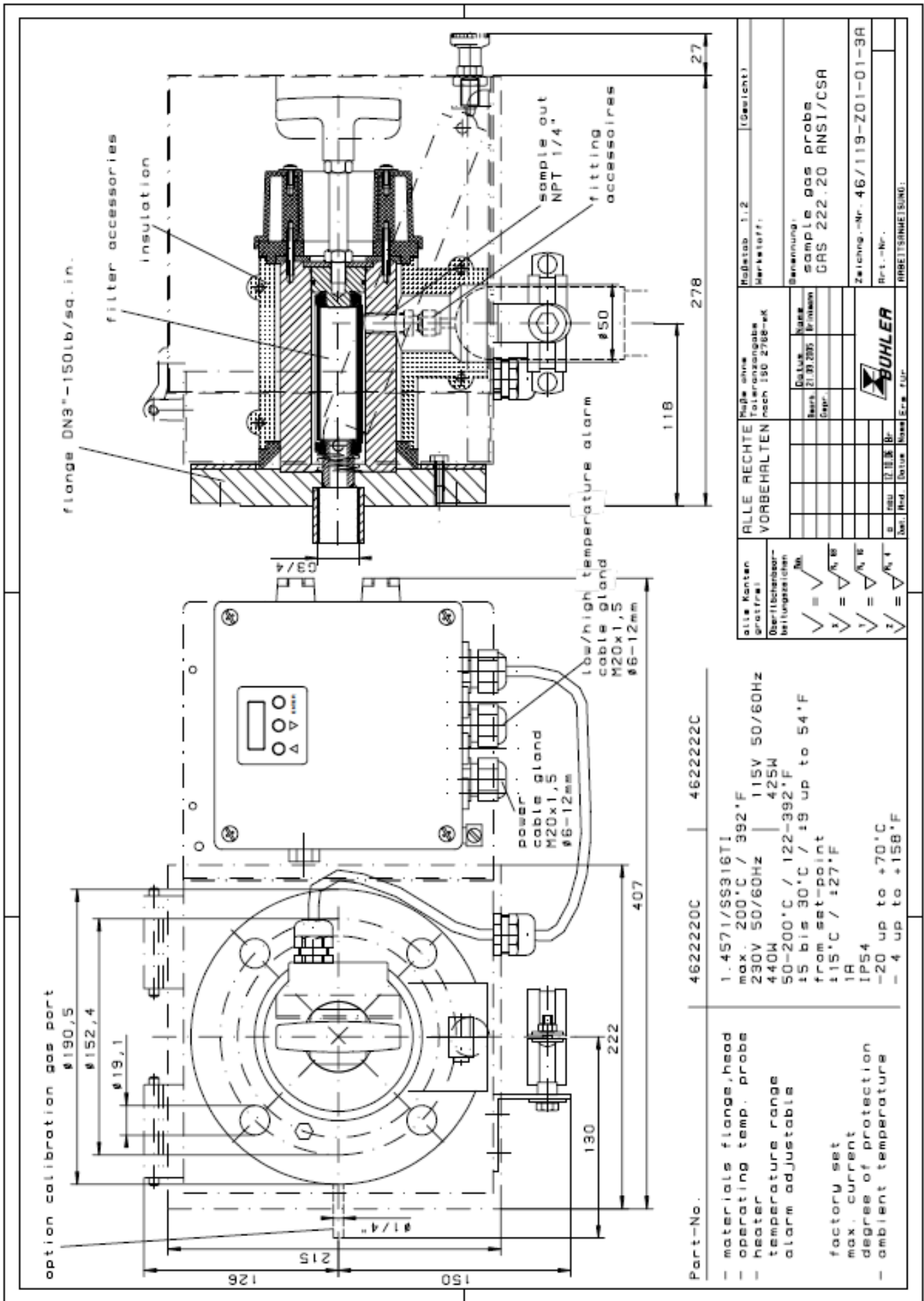
Options

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.

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Dimensions



Part-No. 4622220C | 4622222C

- materials flange, head
- operating temp. probe
- heater
- temperature range
- alarm adjustable
- factory set
- max. current
- degree of protection
- ambient temperature

1.4571/SS316TI
 max. 200°C / 392°F
 230V 50/60Hz | 115V 50/60Hz
 440W | 425W
 50-200°C / 122-392°F
 ±5 bis 30°C / ±9 up to 54°F
 from set-point
 ±15°C / ±27°F
 1A
 IP54
 -20 up to +70°C
 -4 up to +158°F

alle Kanten gerundet (Rundformen) Befestigungsteile = <input checked="" type="checkbox"/> M = <input checked="" type="checkbox"/> N = <input checked="" type="checkbox"/> B = <input checked="" type="checkbox"/> R = <input checked="" type="checkbox"/> T	Maße ohne Toleranzangabe nach ISO 2768-mK	Maßstab 1:2 (Gesamt)
ALLE RECHTE VORBEHALTEN	Datum: 21.01.2005 Name: [unreadable]	Benennung: sample gas probe GAS 222.20 ANSI/CSA
Ver. No. 12.11.13 Date: [unreadable]	Name: [unreadable]	Zeichnung-Nr. 46/119-Z01-01-3A Art.-Nr. [unreadable]
BUHLER WÄRMESYSTEME		