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

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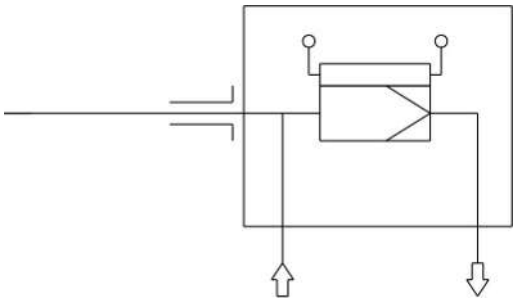
Flow diagram



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	Product Characteristics
															Flange
															ANSI 3"- 150 lbs [1]
															Power supply sample probe
					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

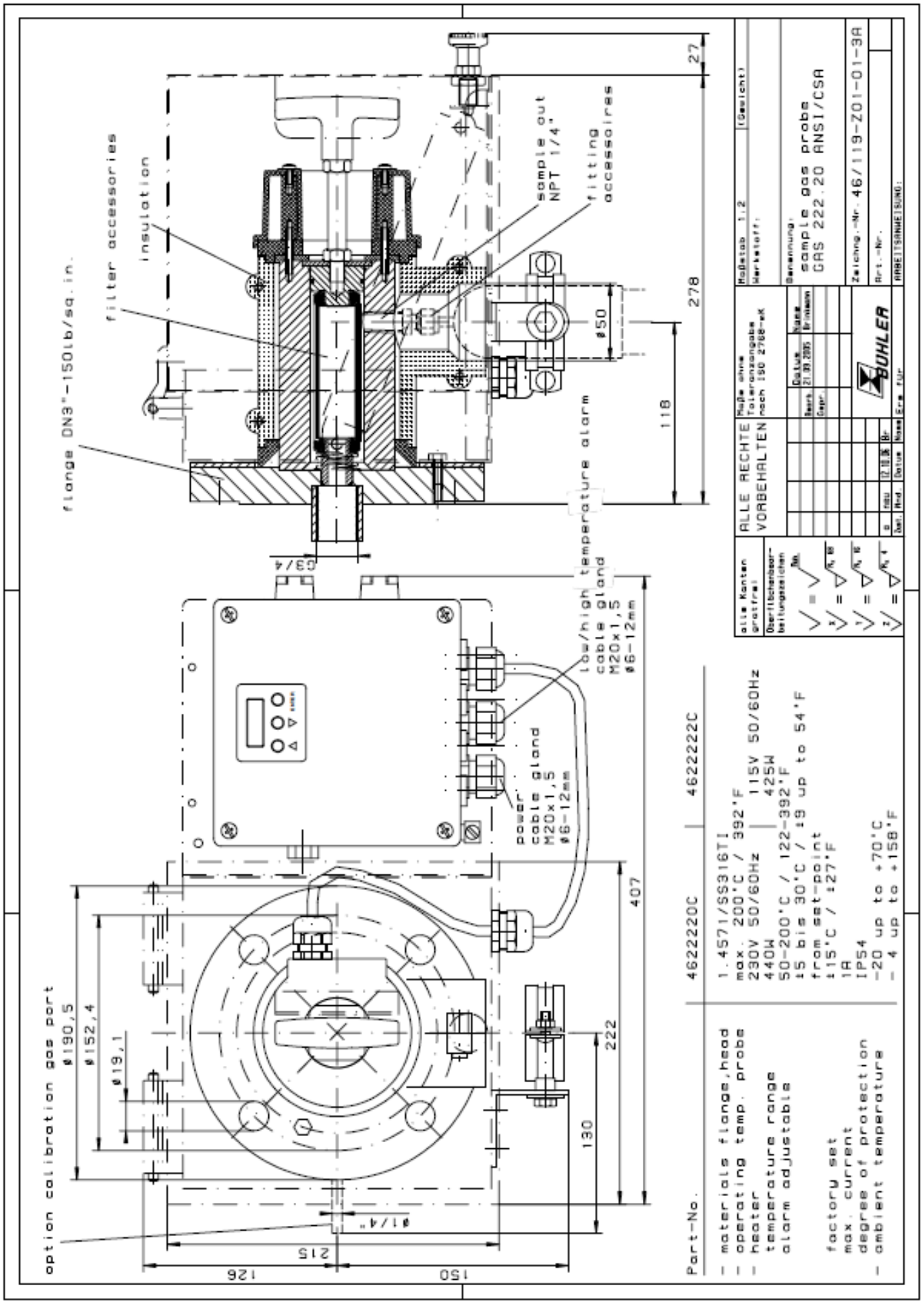
[1] Probes with ANSI: Flanges are CSA and C-US certified.

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.

Dimensions


flange DN3"-150lb/sq.in.
filter accessories
insulation
sample out NPT 1/4"
fitting accessoires
low/high temperature alarm
cable gland M20x1,5 ø6-12mm
power cable gland M20x1,5 ø6-12mm
option calibration gas port
ø190,5
ø152,4
ø19,1
ø1/4"
ø50
27
278
118
G3/4
407
222
130
215
126
150
Part-No. 4622220C 4622222C
- materials flange,head 1.4571/SS316TI
- operating temp. probe max. 200°C / 392°F
- heater 230V 50/60Hz 115V 50/60Hz
- temperature range 440W 425W
- alarm adjustable 50-200°C / 122-392°F
±5 bis 30°C / ±9 up to 54°F
from set-point
factory set ±15°C / ±27°F
max. current 1A
degree of protection IP54
- ambient temperature -20 up to +70°C
- 4 up to +158°F
ALLE RECHTE VORBEHALTEN
Maße ohne Toleranzangabe nach ISO 2768-mK
Maßstab 1:2 (Gewicht)
Werkstoff:
Benennung: sample gas probe GAS 222.20 ANSI/CSA
Zeichng.-Nr. 46/119-Z01-01-3A
Art.-Nr.
BÜHLER