Sample gas probe GAS 222.35 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 shut-off valve, upstream filter and weather hood
- The filter element 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 200 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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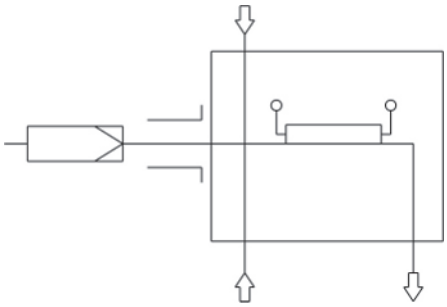
Flow Diagram



Technical Data

Gas Probe Technical Data		
Probe operating temperature:	max. 200 °C	
Ambient temperature	-20 to +70 °C	
Ambient temperature with accessories:	**Component**	**Ambient temperature range**
	Compressed air valve:	-10 °C < T_{amb} < +55 °C
Regulator setting range:	+50 to +200 °C	
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	
IP rating:	IP54	
Max. operating pressure:	6 bar	
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:

4622235	1	9	9	0	X	X	0	0	X	X	X	9	9	9	Product Characteristics
															Flange / approval
				0											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 + check valve
						3									1/4"
						4									1/4" + check valve
															Connection heated extension
							0								No
															Built-in temperature controller [2]
								0							No
															Blowback with air reservoir [3]
															Air reservoir heating
									1						Yes
									9						No
															Built-in blowback control [2]
										1					Internal controller
										9					No
															Compressed air valve / valve voltage information
											0				Manual
											1				120 V 60 Hz
											2				240 V 60 Hz
											9				None (if no blowback requested)
															Pneumatic drive for ball valve
												9			N/A
															Limit switch for pneumatic drive
													9		No
															Control valve for pneumatic drive
														9	No control valve

[1] Probes with ANSI flange are CSA and C-US approved.

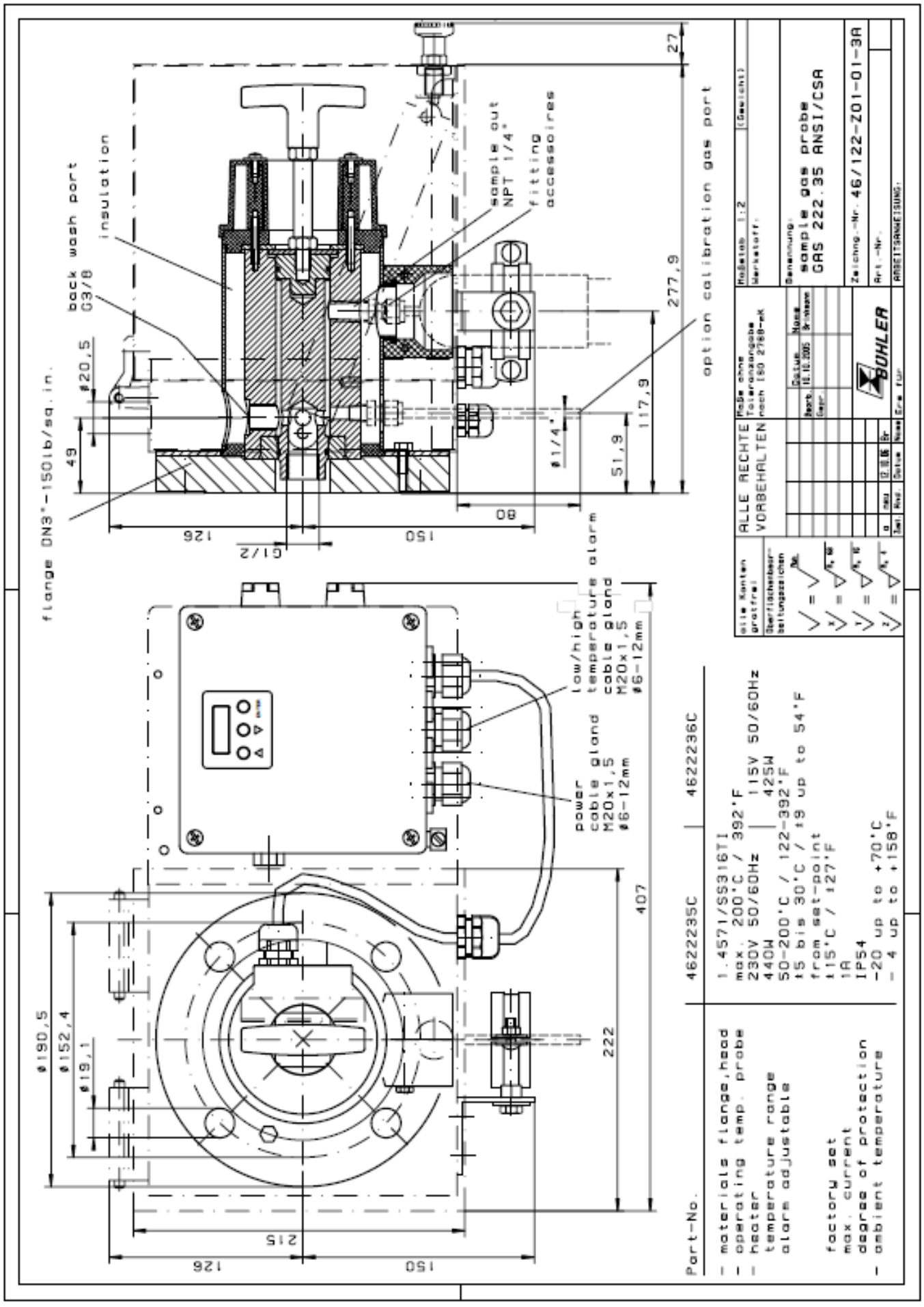
[2] The electronics can either be equipped with temperature controller for heated extension or blowback control.

[3] For flammable sample gas, always use inert gas for blowback. Probe blowback prohibited when using explosive gases!

Options

The base unit becomes functional by adding accessories suitable for the application. Please refer to accessory data sheet no. 461099 for information.

Dimensions


flange DN3"-150lb/sq.in.
back wash port G3/8
insulation
sample out NPT 1/4" fitting accessoires
option calibration gas port
low/high temperature alarm cable gland M20x1,5 ø6-12mm
power cable gland M20x1,5 ø6-12mm
277,9
117,9
51,9
407
222
215
150
126
80
49
ø20,5
ø190,5
ø152,4
ø19,1
G1/2
ø1/4"
27
ALLE RECHTE VORBEHALTEN
Maßstab 1:2
Gewicht
Werkstoff:
Benennung: sample gas probe GAS 222.35 ANSI/CSA
Zeichng.-Nr. 46/122-201-01-3A
Art.-Nr.
ARBEITSVORBEREITUNG
Part-No. 4622235C 4622236C
- 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
factory set from set-point
max. current ±15°C / ±27°F
degree of protection 1A
- ambient temperature IP54
-20 up to +70°C
- 4 up to +158°F