Gas Analysis

Sample gas probe GAS 222.20-DH ANSI

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.

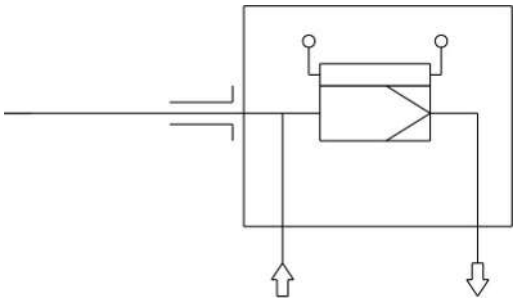
The specific filter capacity, corrosion resistance and functional equipment requirements for the probe arise from the composition of the sample gas.

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
- Steam-heated
- For dust loads up to 2 g/m³
- This probe has no innate ignition source and is therefore suitable for use in Ex areas

Buhler Technologies LLC, 1030 West Hamlin Road, Rochester Hills, MI 48309
Phone: 248.652.1546, Fax: 248.652.1598
e-mail: sales@buhlertech.com
Internet: www.buhlertech.com

Flow Diagram



Technical Data

Gas Probe Technical Data	
Probe operating temperature:	max. 395 °F
Ambient temperature:	-4 to 212 °F
Max. operating pressure:	85 psia
Max. steam pressure:	73 psia
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404

Ordering instructions

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

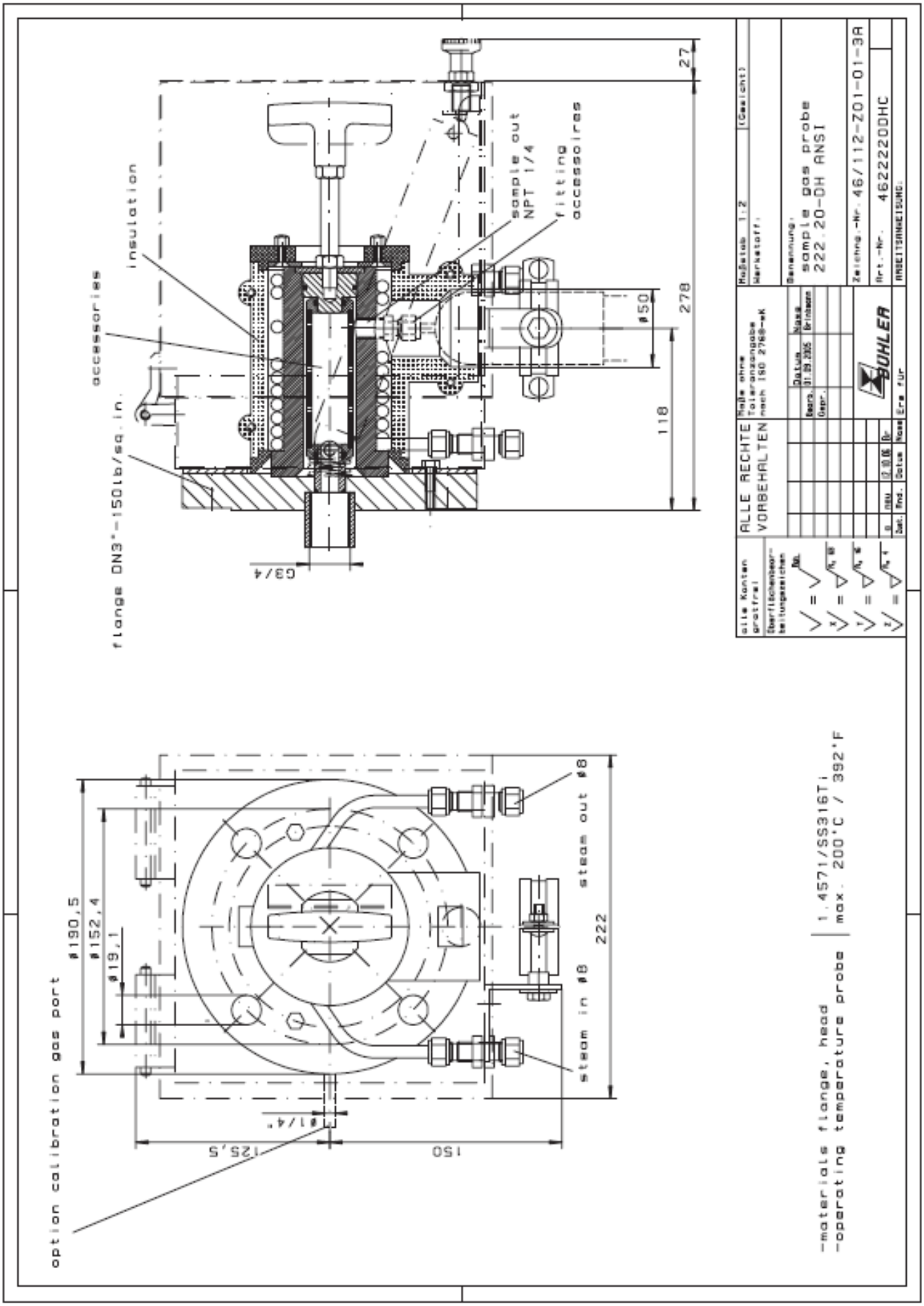
4622220	1	9	9	0	9	X	0	0	9	9	9	9	9	9	Product Characteristics
															Flange/approval
															ANSI 3"-150 lbs (ANSI CSA)
															Cleaning the probe
															Steam
															Calibrating gas connection
						0									No calibrating gas connection
						1									6 mm
						2									6 mm + check valve
						3									1/4"
						4									1/4" + check valve

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



accessories
insulation
flange DN3"-150lb/sq.in.
sample out NPT 1/4
fitting accessoires
G3/4
27
278
118
ø50
option calibration gas port
ø190,5
ø152,4
ø19,1
ø1/4"
125,5
150
steam in ø8
steam out ø8
222
-materials flange, head
-operating temperature probe
1.4571/SS316Ti
max. 200°C / 392°F
ALLE RECHTE VORBEHALTEN
Benennung:
sample gas probe
222.20-DH ANSI
Zeichng.-Nr. 46/112-Z01-01-3A
Art.-Nr. 4622220DHC
BUHLER