

9 Appendices

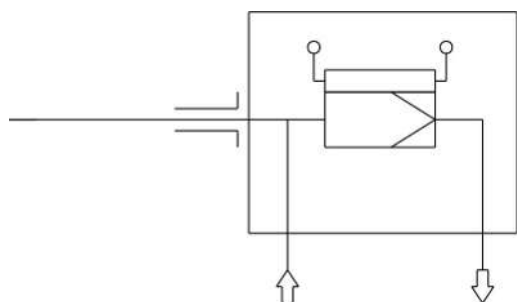
9.1 Technical Data

Gas Probe Technical Data

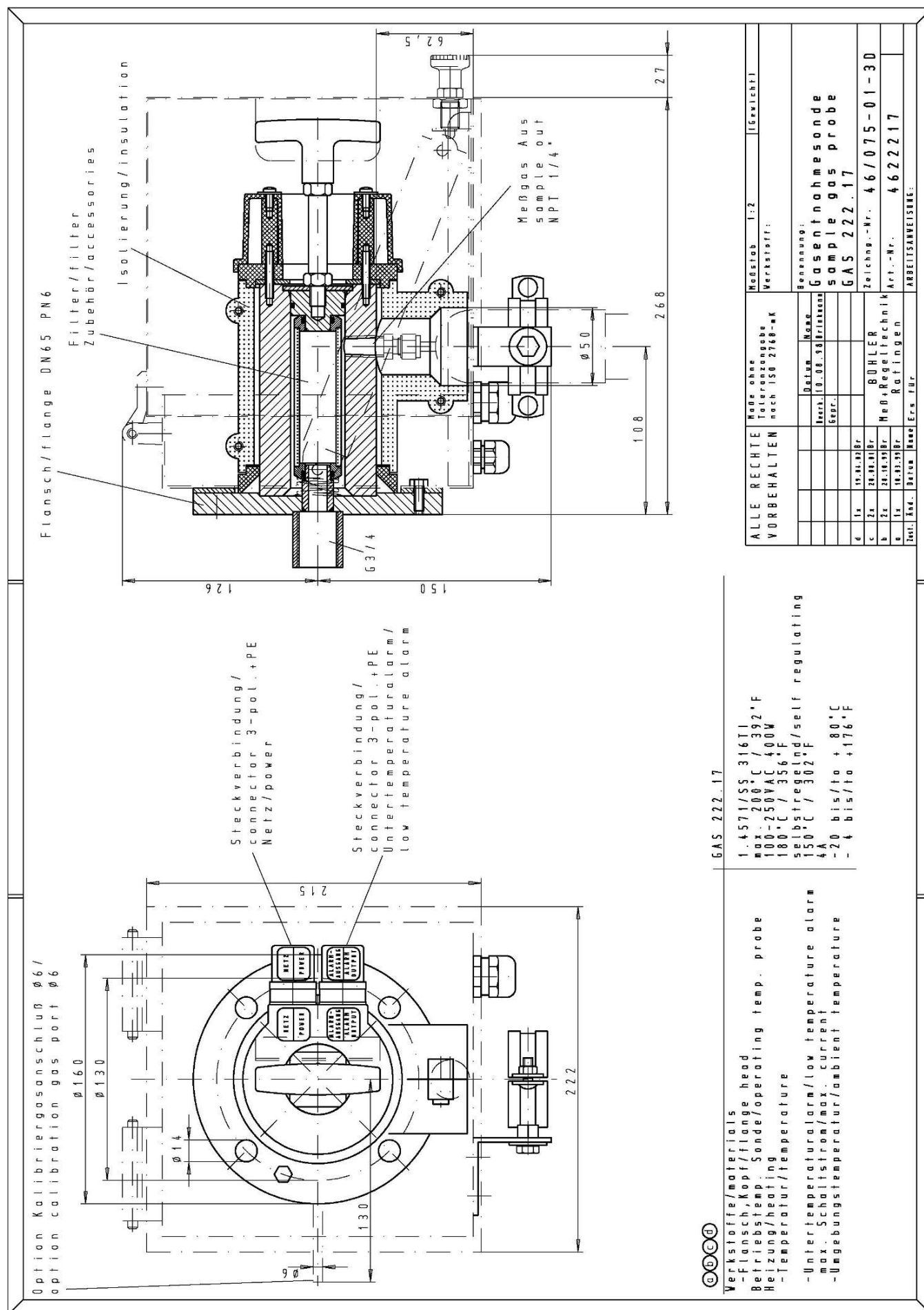
Probe operating temperature:	max. 200 °C
Ambient temperature:	-20 to +80 °C
Self-regulating heater:	+180 °C
Low temperature alarm:	Contact open at operating temperature, closes at < 140 °C Max. switching current 4 A
Electrical data:	230 V, 2.0 A, 50/60 Hz 115 V, 3.8 A, 50/60 Hz
Protection class:	IP54
Max. operating pressure:	6 bar
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404 and see filter Optional coating with SilcoNert® 2000 *

*The SilcoNert® 2000 coating forms a layer of hydrogenated, amorphous silicon on the surfaces of the measuring gas probe that are in contact with media. It is applied by chemical vapour deposition (CVD), which creates a uniformly thin layer on the surface. SilcoNert® 2000 is temperature-resistant up to 400 °C, chemically inert and hydrophobic. The coating is resistant to many chemically corrosive liquids. If you are unsure about the suitability for specific gas matrices, please contact Bühler Technologies GmbH.

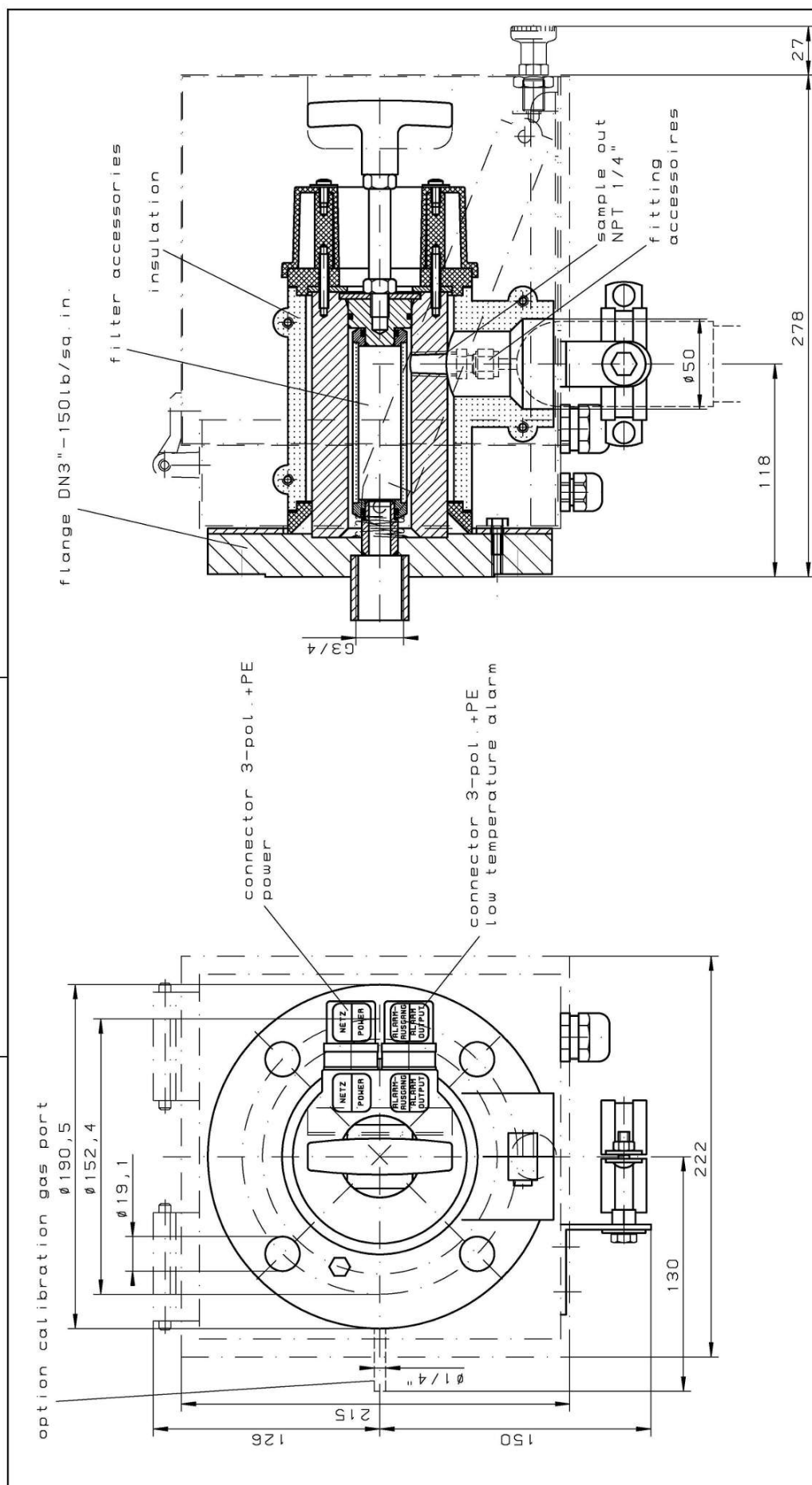
9.2 Flow chart



9.3 Dimensions



9.4 Dimensions (ANSI flange)

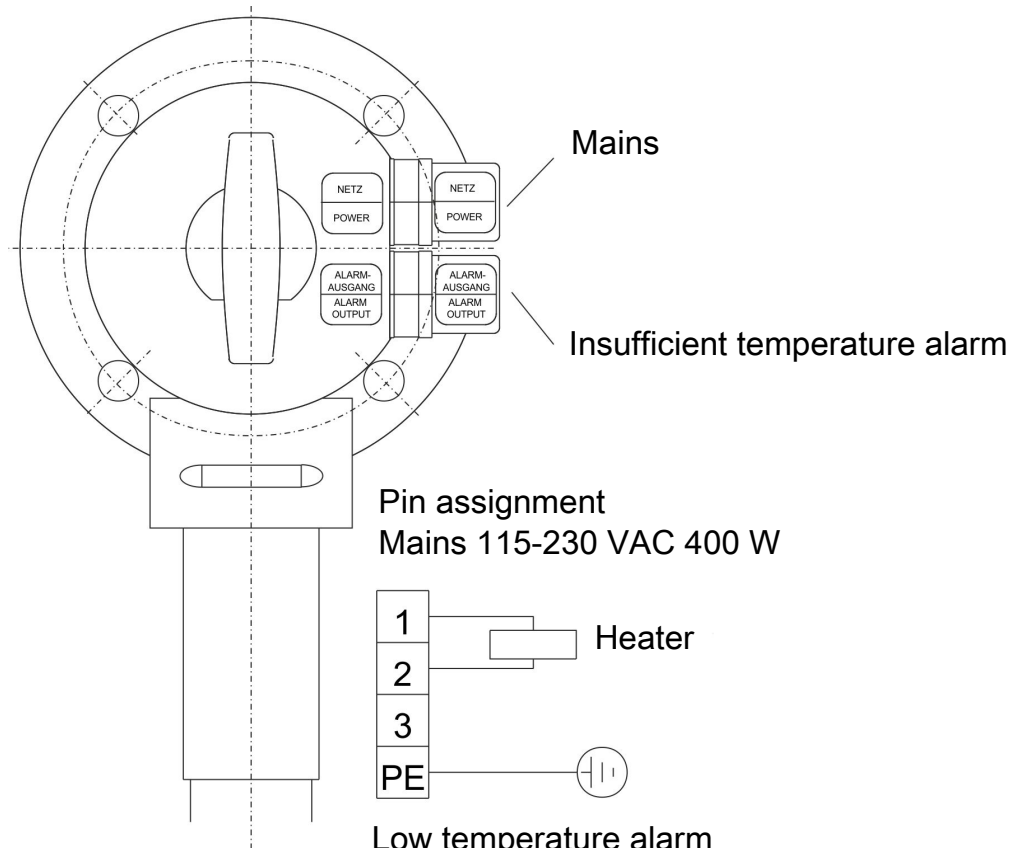


alle Kanten gratfrei		ALLE RECHTE VORBEHALTEN		Maße ohne Toleranzangabe nach ISO 2768-mK		Maßstab 1:2	(Gewicht)
Oberflächenbear- beitungszeichen				Benennung:		Werkstoff:	
✓	=			Name		sample gas probe	
✓	=			Datum		GAS 222.17 ANSI/CSA	
✓	=			Bearb.		Zeichnung-Nr. 46/111-Z01-01-3A	
✓	=			Gepr.		Art.-Nr. 4622217C	
✓	=			g		ARBEITSANLEITUNG:	
✓	=			neu			
✓	=			Zust. Find.			
✓	=			Datum			
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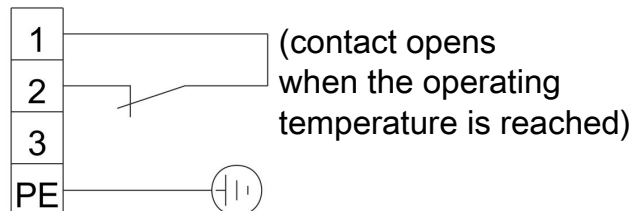
1. 4571/SS316Ti
 max. 200°C / 392°F
 115-230V 50/60Hz
 180°C / 356°F
 140°C / 284°F, 4A
 -20 up to +80°C
 -4 up to +176°F

-materials flange, head
 -operating temperature probe
 -heater self regulating
 -low temperature alarm
 -ambient temperature

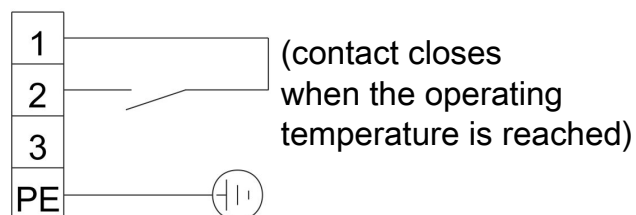
9.5 Connection Diagram



Low temperature alarm
max. Voltage 230 V
max. switching current 4 A



Optionally with NO contact



9.6 User book (Please make copies)