

9 Appendices

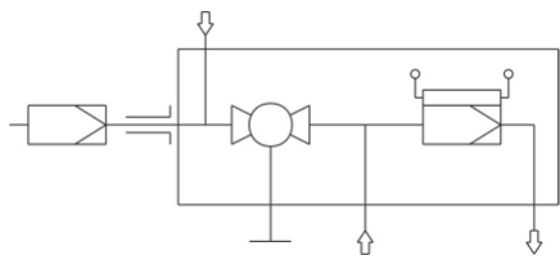
9.1 Technical Data

Gas Probe Technical Data

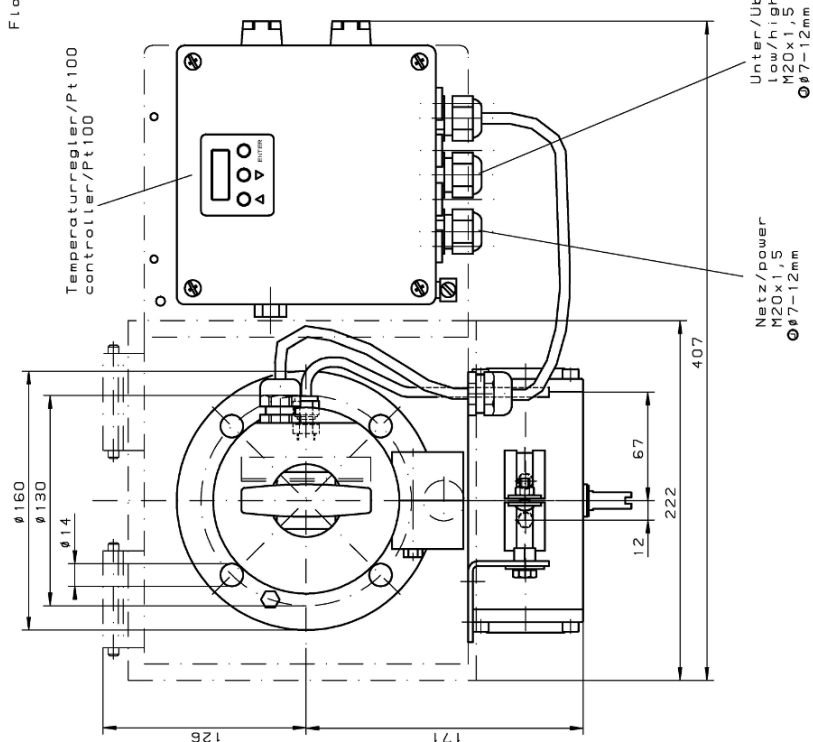
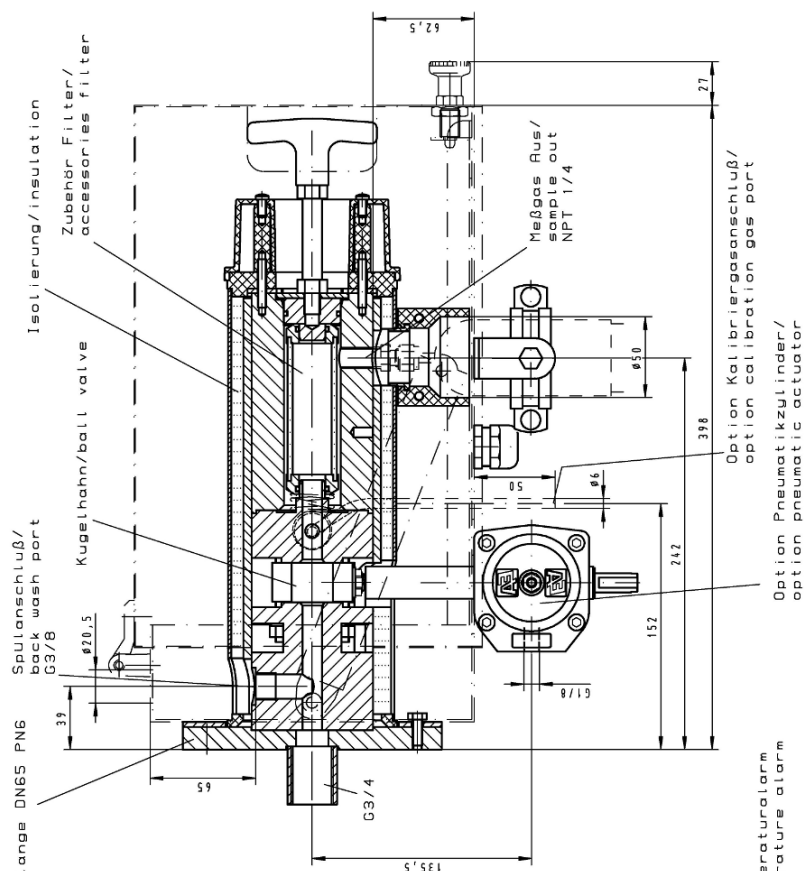
Probe operating temperature:	max. 200 °C	
Ambient temperature without accessories:	-20 to +70 °C	
Ambient temperature with accessories:	Component	Ambient temperature range
	Compressed air valve:	-10 °C < T _{amb} < +55 °C
	Pneumatic drive:	-20 °C < T _{amb} < +80 °C
	Limit switch:	-20 °C < T _{amb} < +100 °C
	Solenoid valve for pneumatic drive:	-10 °C < T _{amb} < +55 °C
Medium temperature (blowback):	Component	Medium temperature range
	Compressed air valve:	-10 °C to +80 °C
	Solenoid valve for pneumatic drive:	-10 °C to +100 °C
Regulator setting range:	+50 to +200 °C	
Low/high temperature alarm:	Alarm adjustable $\pm 5 \dots 30$ 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	
Protection class:	IP54	
Max. operating pressure:	6 bar	
Materials in contact with media		
Flange:	Stainless steel 1.4571	
Probe body:	Stainless steel 1.4571	
Ball valve:	Stainless steel 1.4408/1.4462/PTFE	
Seal:	Stainless steel 1.4404/graphite/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



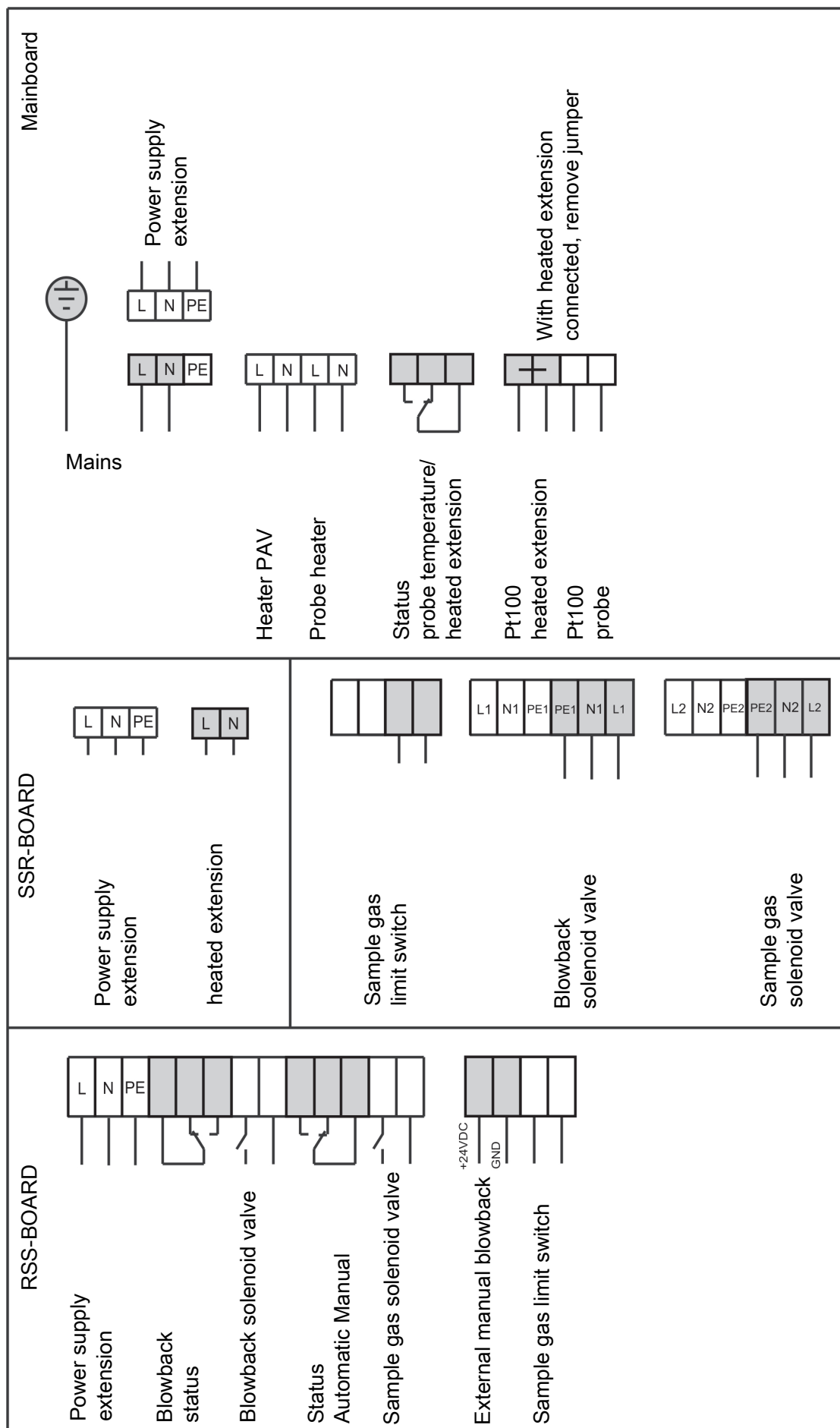
9.3 Dimensions



Art.-Nr. / part-no.	4622221	4622225
Werkstoffe/materials		
-Flansch, Körper / flange, body	1. 4571	
-Kugelhahn / ball valve	1. 4408 / 1. 4462 / PTFE	
Betriebstemperatur Sonde/ operating temperature probe	max. 200°C / 392°F	
Heizung / heater		
-Temperaturbereich / temperature range	230V 50/60Hz 440W	115 50/60Hz 425W
-Alarm einstellbar / alarm adjustable	50 ... 200°C / 122 ... 392°F ±5 ... 30°C / ±9 ... 54°F vom Sollwert / from set-point ±15°C / ±27°F	
werkseitig eingestellt / factory set		
max. Schaltstrom / max. current	1A	
-Schutzart / degree of protection	IP54	
-Umgebungstemperatur / ambient temperature	-20 ... +70°C / -4 ... +158°F	
Steuerdruck Pneumatikzylinder/ pilot pressure pneumatic actuator	6 bar	

[illegible]

9.5 Connection Diagram

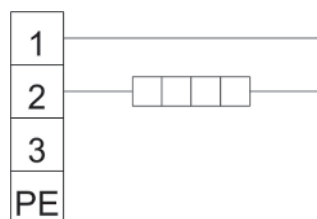


9.6 Connection diagram heated pressure vessel

Heater

Operating voltage

115-230 V AC 200 W



9.7 User book (Please make copies)

Maintained on	Unit no.	Operating hours	Remarks	Signature