

9 Appendices

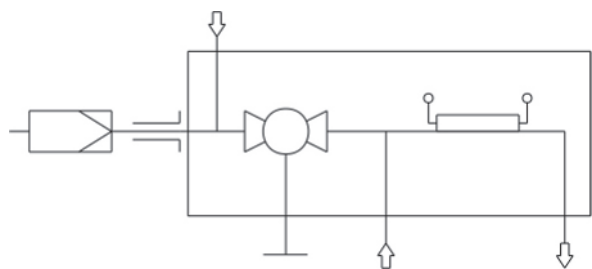
9.1 Technical Data

Gas Probe Technical Data

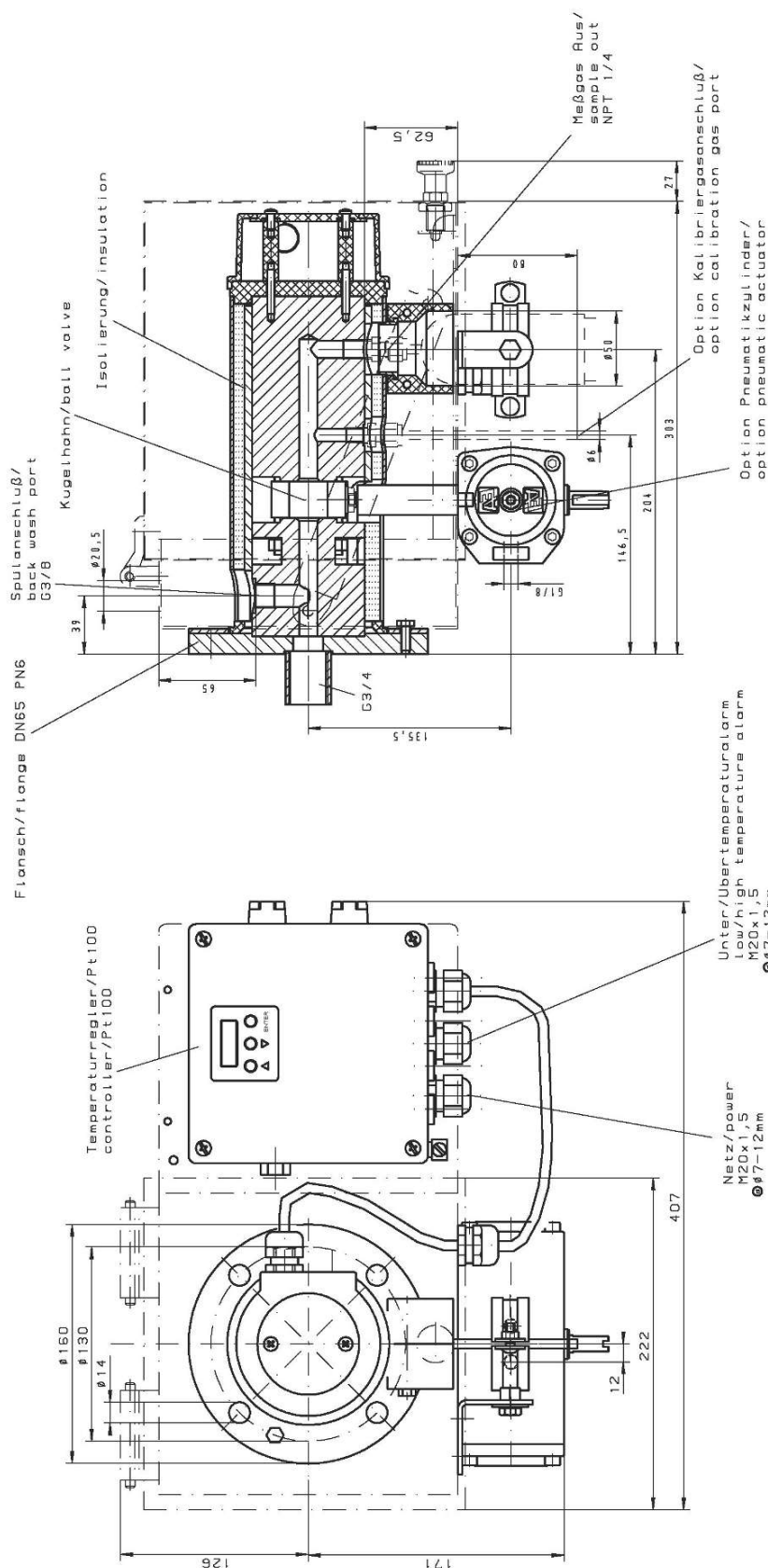
Probe operating temperature:	max. 200 °C	
Ambient temperature without accessories:	-20 to +70 °C	
Ambient temperature with accessories:	Component	Ambient temperature range
	Compressed air valve:	-10 °C < T _{amb} < +55 °C
	Pneumatic drive:	-20 °C < T _{amb} < +80 °C
	Limit switch:	-20 °C < T _{amb} < +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 ±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	
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



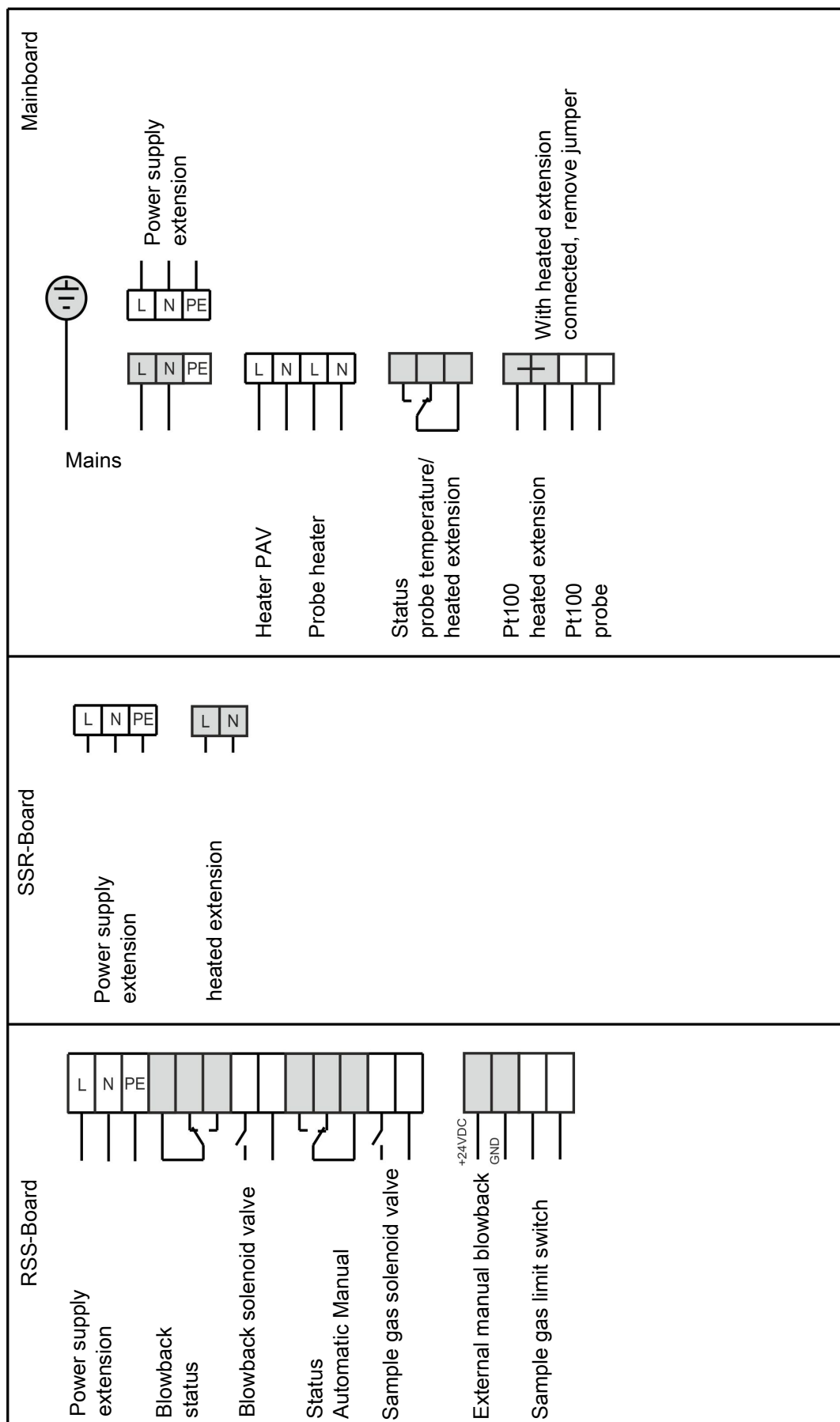
Art.Nr./part-no.	4622231	4622232
Werkstoffe/materials	1.4571	1.4571
-Flansch, Körper / flange, body	1.4408 / 1.4462 / PTFE	1.4408 / 1.4462 / PTFE
-Kugelhahn / ball valve	max. 200°C / 392°F	max. 200°C / 392°F
Betriebstemperatur Sonde/operating temperature probe	230V 50/60Hz 440W 115 50/60Hz 425W	230V 50/60Hz 440W 115 50/60Hz 425W
Heizung / heater	50 ... 200°C / 122 ... 392°F	50 ... 200°C / 122 ... 392°F
-Temperaturbereich / temperature range	15 ... 30°C / 49 ... 54°F	15 ... 30°C / 49 ... 54°F
-Alarm einstellbar / alarm adjustable	vom Sollwert / from set-point	vom Sollwert / from set-point
werkseitig eingestellt / factory set	±15°C / ±27°F	±15°C / ±27°F
max. Schaltstrom / max. current	1A	1A
-Schutzart / degree of protection	IP54	IP54
Umgebungstemperatur / ambient temperature	-20 ... +70°C / -4 ... +158°F	-20 ... +70°C / -4 ... +158°F
Steuerdruck Pneumatikzylinder/pilot pressure pneumatic actuator	6 bar	6 bar

ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
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ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)
ALLE RECHTEN VORBEHALTEN	Werkstoff	Material	Hersteller	Modell	1.2	(Gewicht)

9.5 Connection Diagram

The circuit boards installed in the controller are marked in yellow in the pin assignment in the controller cover.

Terminals to be connected by the customer are shown in grey.

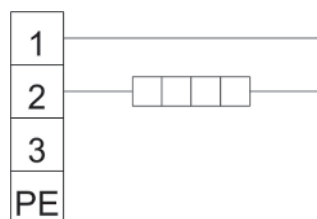


9.6 Connection diagram heated pressure vessel

Heater

Operating voltage

115-230 V AC 200 W



9.7 User book (Please make copies)

Maintained on	Unit no.	Operating hours	Remarks	Signature