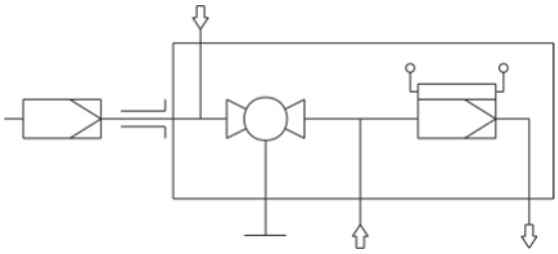
9 Appendices

9.1 Technical Data

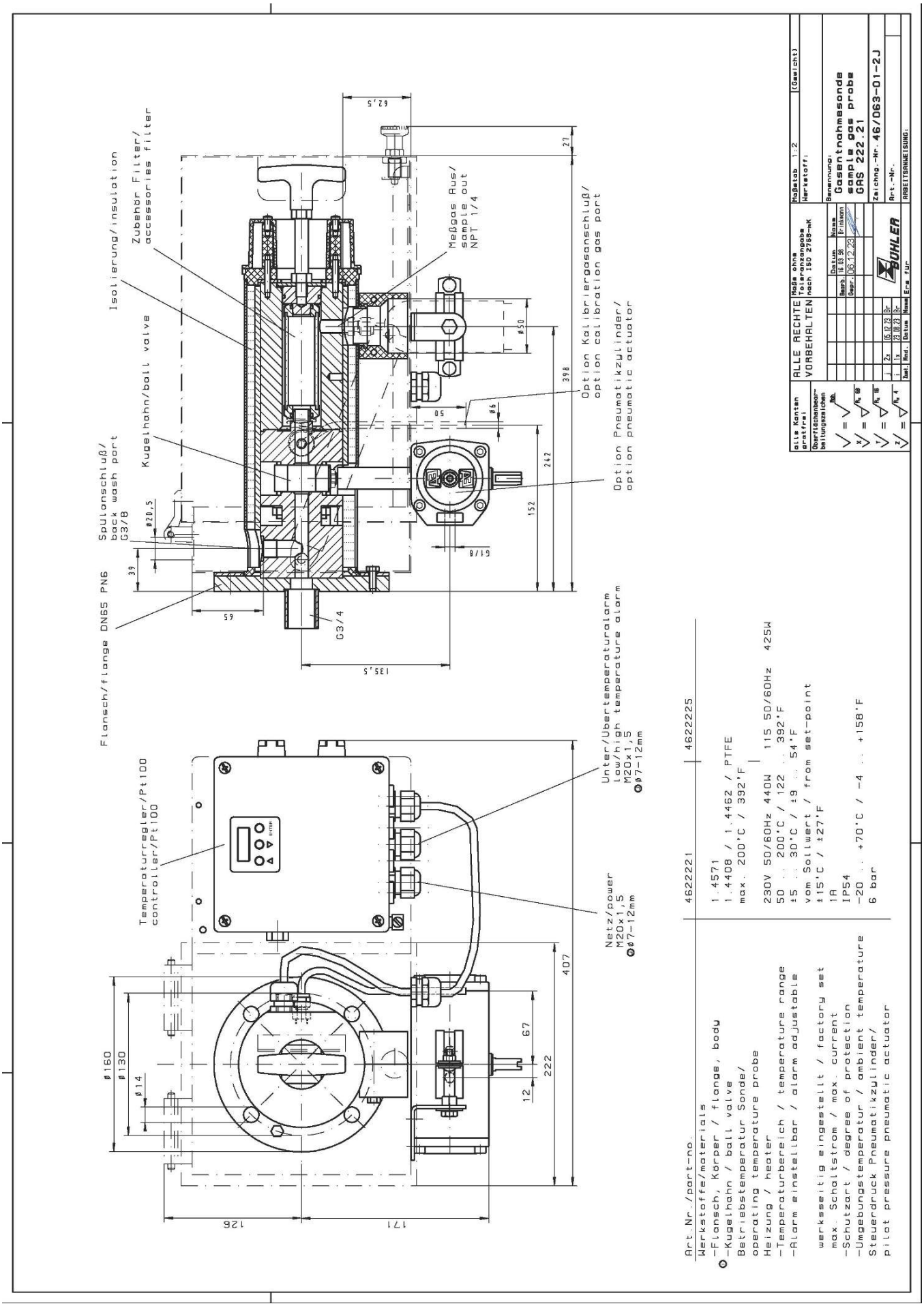
Gas Probe Technical Data		
Probe operating temperature:	max. 200 °C	
Ambient temperature without accessories:	-20 to +70 °C	
Ambient temperature with accessories:	**Component**	**Ambient temperature range**
	Compressed air valve:	-10 °C < T_{amb} < +55 °C
	Pneumatic drive:	-20 °C < T_{amb} < +80 °C
	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

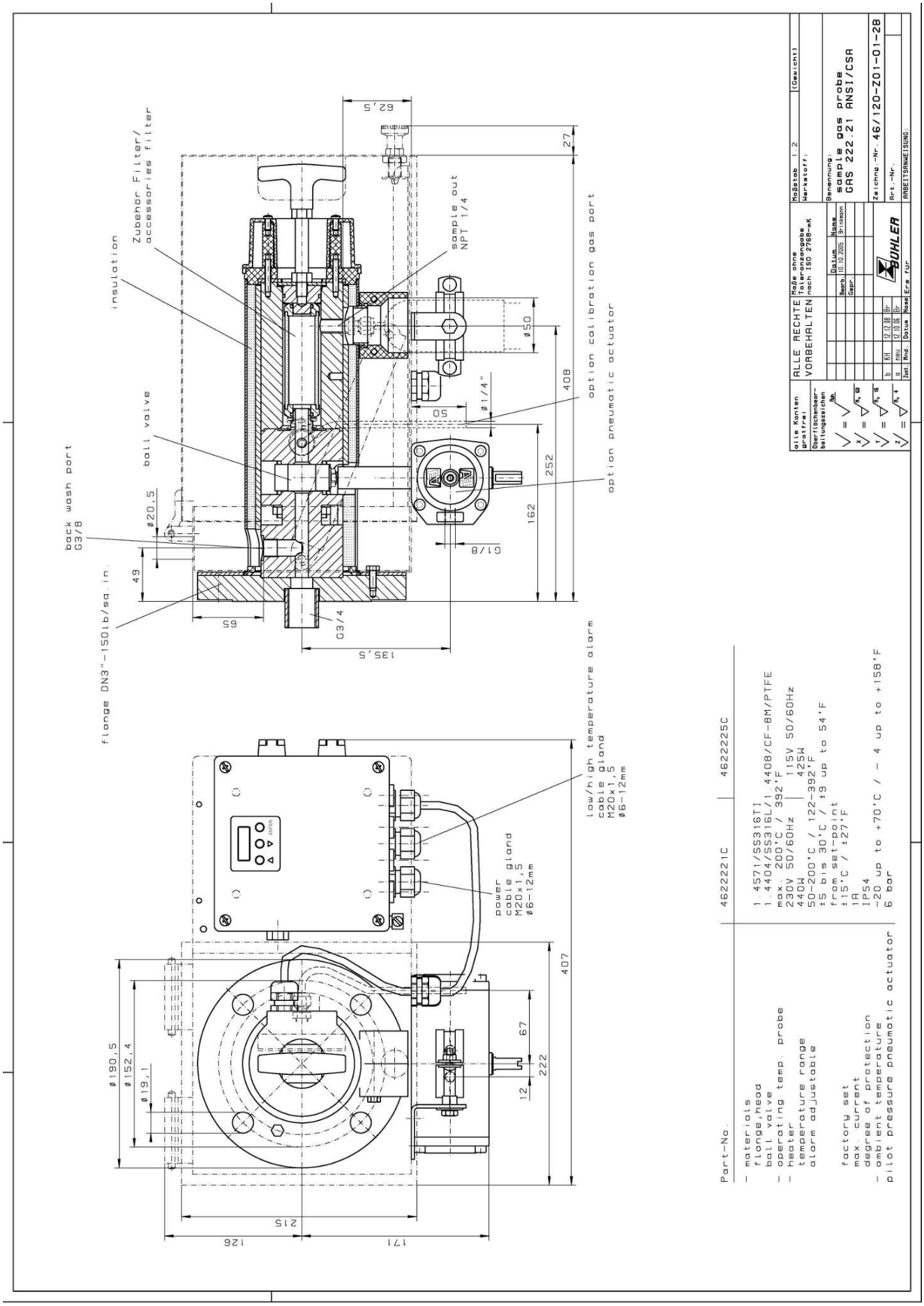


9.3 Dimensions



9.4 Dimensions (ANSI flange)

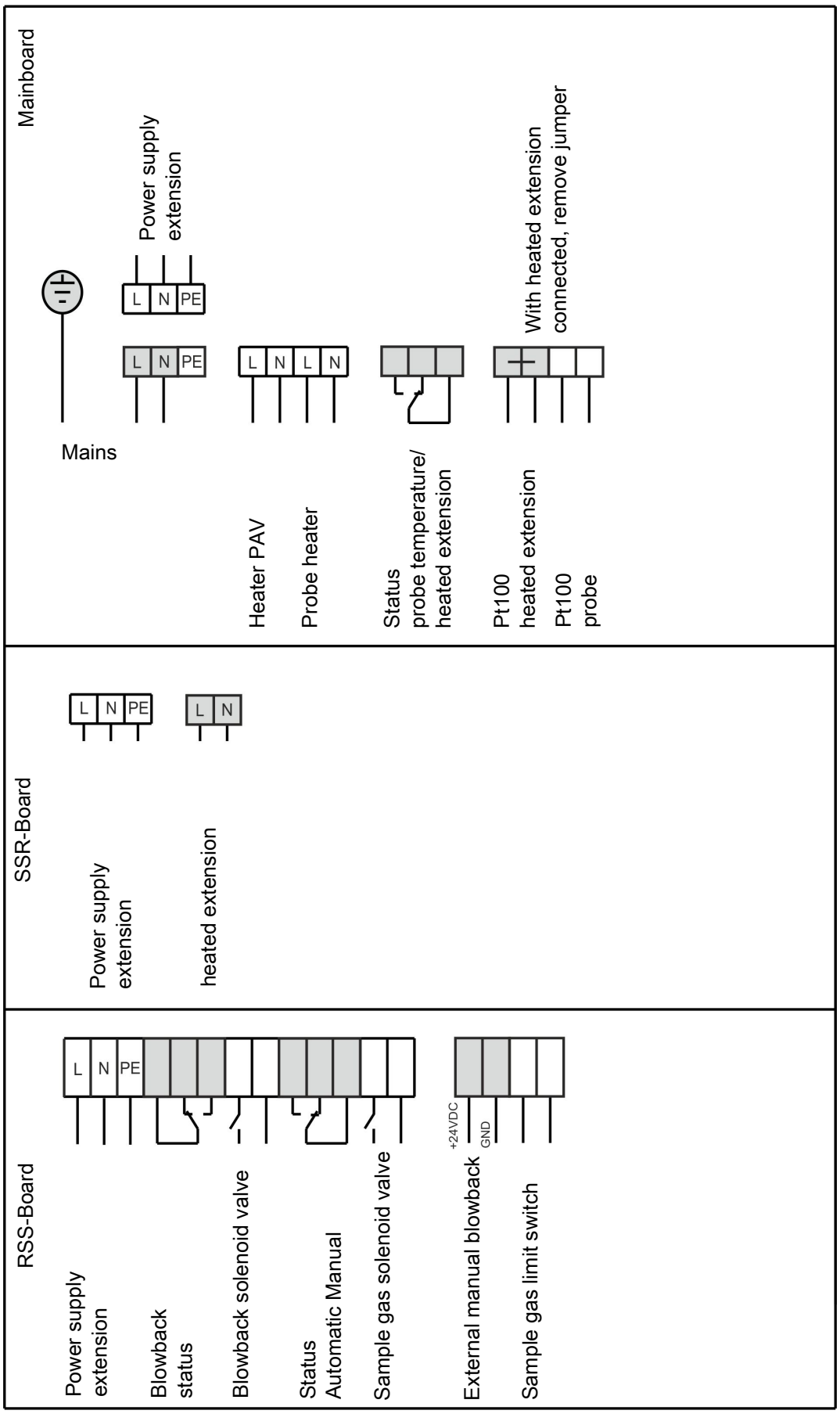
NOTICE! ANSI flange only available without CSA approval.



9.5 Connection Diagram

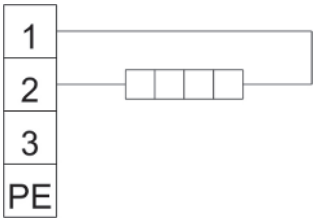
The circuit boards installed in the controller are marked in yellow in the pin assignment in the controller cover.

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