

## Heated Wall Bushings

### Application

The heated wall bushings series **PSG Heated Wall Bushings** are used in gas analysis for connection of heated sample lines with an installation route leading through walls like e.g. brickworks. A typical application is also leading heated sample lines out of climatic chambers in the automotive industry.

### Technology

The heated wall bushings series **PSG Heated Wall Bushings** with stainless steel jacket made of SS316Ti are designed for installation in brickworks. They are available in various versions. Besides standard dimensions customized solutions are possible. Individualization in relation to length (in dependance on brickworks) temperature and control can be considered. Swagelok-fittings are used for connection of sample lines as standard. Other connections are also possible. Length of the supply line and type of connection plug are also manufactured on customer request. One side has e.g. a screw lid and both sides stainless steel fittings for connection of the sample lines. Internally an insulated stainless-steel tube with heating cable is heated to the desired temperature.

### Funktion

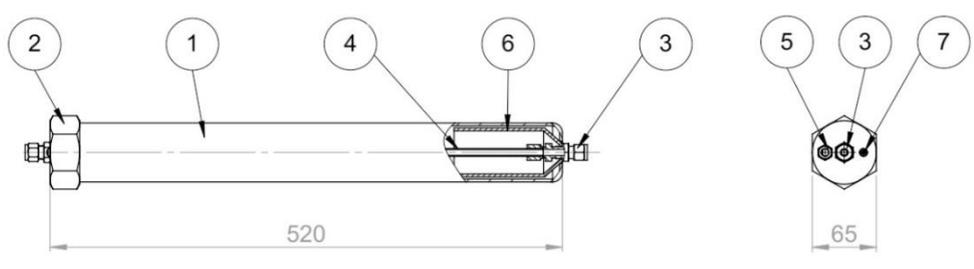
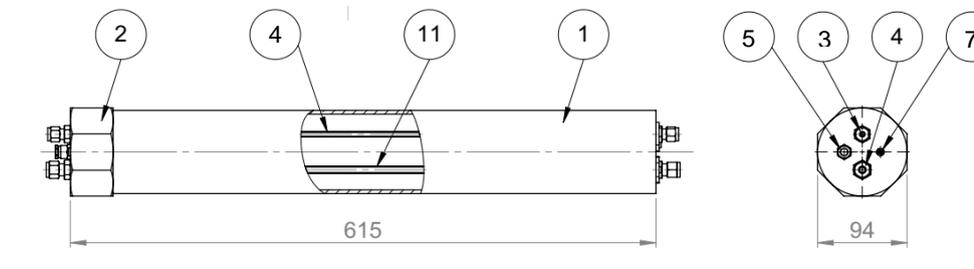
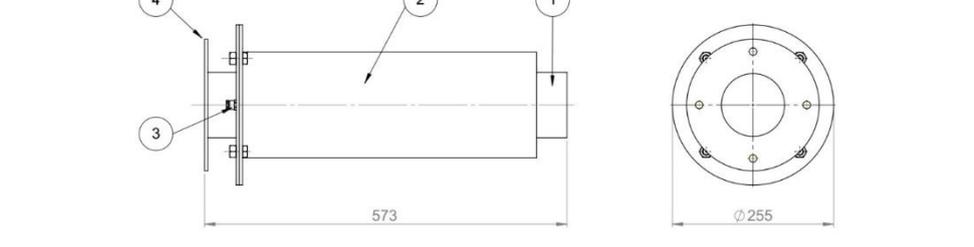
Due to the homogeneous heating to max. 250°C zones are bridged where temperature could fall below the dew point resp. acid dew point on its way through the brickworks. Thus, condensate formation and therefore clogging as well as washing out of water-soluble sample gas components like e.g. SO<sub>2</sub> is prevented.



- ✓ Individual production
- ✓ Homogeneous heating of complete tube length
- ✓ Corrosion resistant made of stainless steel SS316Ti
- ✓ Heatable up to 250° C
- ✓ Controlled or non-regulated operation possible
- ✓ No cold spots
- ✓ Surface temperature <60° C
- ✓ In any length available
- ✓ Various lines with different dimensions in one bushing possible

## Technical Data

PSG Heated Wall Bushings				
Part no.		54002520	54002523	54002738
Holding temperature	°C	200		90
Design data				
Dimensions	mm	see design example or upon request		
Connections		8mm Rohr	DN100 5mm / Norma Grip	6mm + 8mm Rohr
Mounting		Einbau im Mauerwerk		
Materials		1.4571 / 1.4404		
Electrical data				
Temperature sensor		NiC-Ni		PT100
Temperature alarm		ohne		
Voltage	V	230VAC 50/60 Hz oder 115VAC 50/60Hz		
Power consumption	W	50	400	60
Heating type		Fixed resistor		
Electr. connection		3m cable with plug Amphenol 6 + PE; Cannon Military or upon request		

PSG WB	
	<b>Part No. 54002520</b>
	1   Wall mounting tube 2"
	2   Nut 2"
	3   Bulkhead fitting
	4   Media tube
	5   Cable gland
	6   Silicone cap
7   Cylindrical screw	
	<b>Part No. 54002738</b>
	1   Wall mounting tube 2"
	2   Nut 2"
	3   Bulkhead fitting
	4   Media tube
	5   Cable gland
	6   Silicone cap
7   Cylindrical screw	
	<b>Part No. 54002523</b>
	1   NORMA Grip E
	2   Wall mounting tube
	3   Cable gland
4   Flange DN100	
Example-dimensions in mm	

State 07 / 2022 | Subject to change