



- High durability
- High gas temperatures at the input
- Perfect heat distribution
- High-quality materials
- Suitable for hydrogen

The high temperature sample line HTAL is used in gas analytic for the transportation of gases, that have to be held at a specific temperature.

At the Input of the stainless steel tube can gases having a temperature of up to +900°C. At the entrance of the heated portion of the line, the exhaust temperature may still amounted to +600°C. From here it is held on the setpoint (max. 250°C, higher temperatures on demand). If the maximum exhaust gas temperatures lower than the maximum allowable Temperature, the stainless steel tube can be shortened on site. If the exhaust gas temperatures higher, the stainless steel tube should be extended.

The inner tube of the heated lines, as well as the 500 mm long extension on the input is made from one piece of stainless steel tube (1.4404 8x1 DN6) and suitable for hydrogen. The heated part of the stainless steel tube is surrounded by a heating coil and a plurality of insulation layers. Also the temperature sensor Ni-CrNi is here. As an outer protective layer a braid of textile glass is mounted.

Please contact our sales department for special applications.



Digital form at:
www.cgs-company.de/downloads/MDZ_E_D_HTAL.pdf

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Technical data

- Hose type: Glass-fibre hollow hose
- Nominal width inner line: 6/8 mm,
- Material: Stainless steel 1.4404
„Suitable for hydrogen“
Option: various inert-coatings on request
- Hose connection: 500 / 25 mm überstehend
- Temperature sensor: Ni-CrNi, Fe-CuNi, PT100 (3-conductor)
- Operating temperature: +250°C (higher temp. on demand)
- Power voltage: 230 V / 50 Hz ; 110 V
- Connection cable: 1 m
- Protection class IP20
- Pressure max. 16 bar

Accessories

- Intercept tray
- Heated wall duct
- Connecting cable in different length
- Temperature controller
- Insulation jacket

Order numbers

- Standard

HTAL- 4 B 2 5 0 - A E A D 1 - A A B 1 0

	HTAL-	4	B	2	5	0	-	A	E			1	-	A	A	B	1	0	
Inner line																			
Stainless steel		4																	
Nominal width Inner line			B																
6/8 mm																			
Operating temperature in °C (higher temperatures on demand)				2	5	0													
Outer sheath																			
Glass-fibre hollow hose (black)								A											
Heating tape type																			
High temperature									E										
Electrical connection																			
230 V										A									
110 V										C									
Temperature sensor																			
without												A							
PT100 3 conductor												B							
Thermocouple Type J (Fe-CuNi)												C							
Thermocouple Type K (Ni-CrNi)												D							
Sensor quantities																			
1													1						
Electrical connection / pin assignment																			
no pin															Z				
CGS Standard (Type A) (Amphenol 7 pol)															A				
Type B - Type R (B-R) customized															B-R				
Excess length Inlet/Outlet																A			
500 mm / 25 mm																			
External diameter																			
DA 42 mm																	B		
Connecting cable exit																			
sideways																			1
rearwards																			2