

## Heated sample probe



### Extractive gas sampling in cold gas measuring systems for continuous emission measurement

#### YOUR BENEFITS AT A GLANCE

- self-regulating
- under temperature alarm
- low maintenance costs
- applicable for integration in gas measuring systems of MGA 12

#### PRECONDITIONS ON SITE

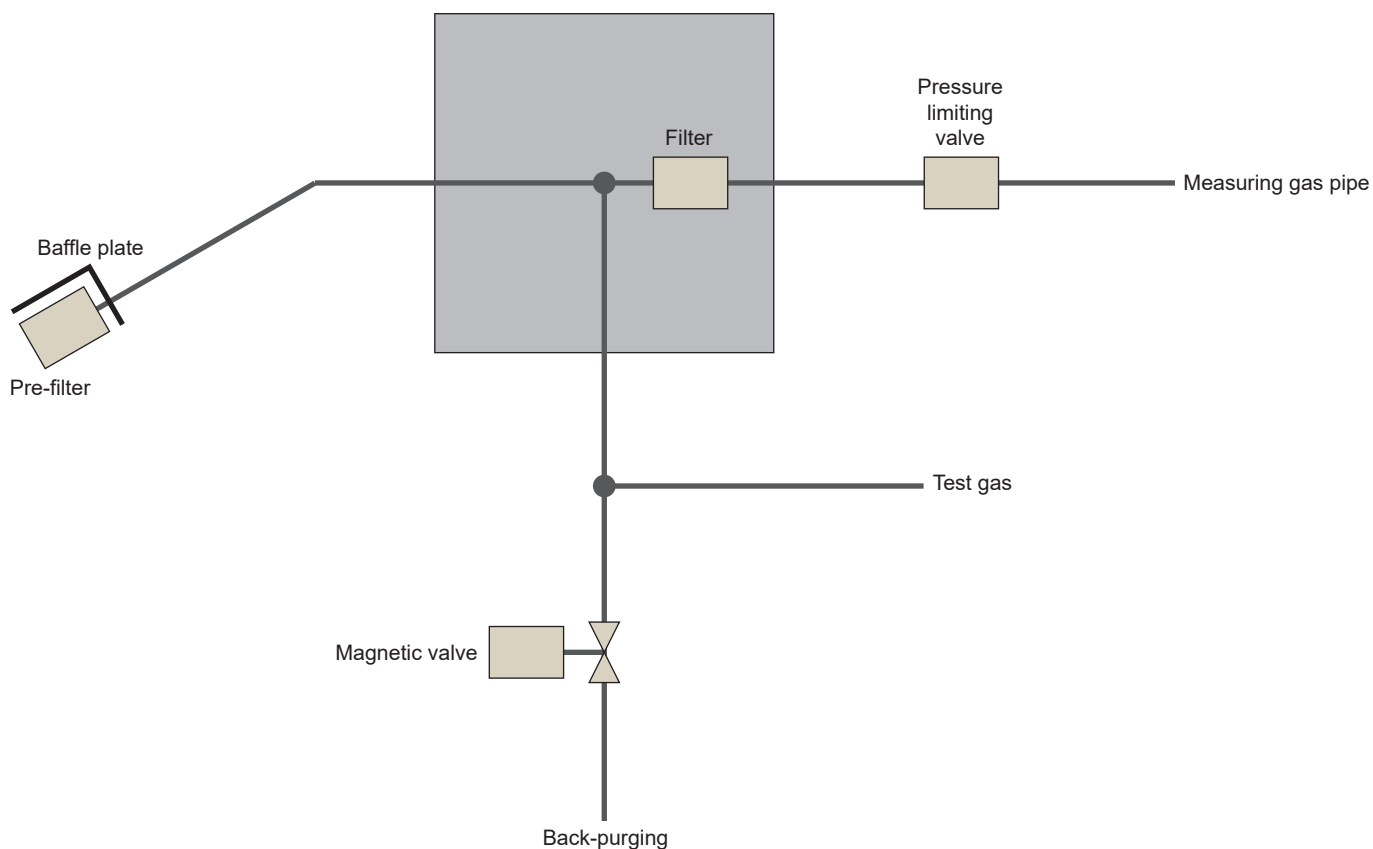
- ambient temperature: -20...+80 °C
- probe tube (optionally available, standard 1000 mm)
- flange for installation
- cable tray

#### TECHNICAL DATA

Housing:	probe with isolation and outlet filter, IP54
Dimensions:	approx. 225 mm x 280 mm x 300 mm (w x h x d)
Weight:	approx. 15 kg
Material:	<ul style="list-style-type: none"> <li>• probe: 1.4571</li> <li>• sealing: Graphit/1.4404</li> </ul>
Filter material:	<ul style="list-style-type: none"> <li>• ceramics, filter fineness: 3 µm</li> <li>• stainless steel, filter fineness: 5 µm</li> </ul>
Ambient temperature:	-20...+80 °C
Exhaust temperature:	max. 600 °C
Dust loading:	max. 2 g/m <sup>3</sup>
Operating pressure:	max. 6 bar
Probe temperature:	max. 200 °C, self-regulating by heating elements
Under temperature alarm:	contact open at < 140 °C
Connections:	<ul style="list-style-type: none"> <li>• process connection: flange DN 65 PN 6</li> <li>• measuring gas: NPT 1/4"</li> <li>• test gas: tube Ø 6 mm</li> </ul>
Power supply:	115/230 V, 50/60 Hz, 500 VA
<i>Special models are possible on request.</i>	

## Optional back-purging

## FUNCTIONAL SCHEME



## TECHNICAL DATA OF PROBE BACK-PURGING

Connections:	<ul style="list-style-type: none"> <li>• process connection: flange DN 65 PN 6</li> <li>• measuring gas: DN 4/6</li> <li>• test gas: DN 4/6</li> <li>• back-purging: DN 6/8</li> </ul>
Back-purging pressure:	max. 6 bar
Differential pressure at test gas:	min. 100 mbar (overflow method)
Pressure limiting valve:	max. 1.2 bar
Pre-filter:	filter fineness: 5 µm, differential pressure: 13 mbar
Power supply:	24 V / 8 W for magnetic valve
Accessories:	<ul style="list-style-type: none"> <li>• pressure limiting valve (ETLA 666)</li> <li>• magnetic valve (ETLD 608)</li> <li>• pre-filter (ETLA 968)</li> <li>• baffle plate (ETLA 969)</li> </ul>

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