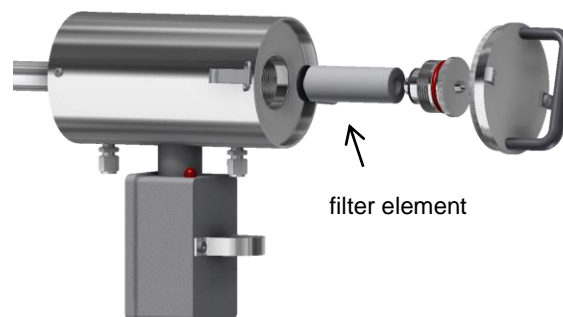


## Product info: Heated Gothe-Gas Sample Probe



- Optimum operational reliability
- Universal applicability
- Easy installation
- Problem-free maintenance
- Small stagnant space
- Proven technology by Gothe



filter element

The *Gothé gas sample probes* can be used for continuous gas sampling in high dust content, temperatures and humidity. The probe can be combined with one preliminary filter and a main heated filter which can be changed without dismantling the complete gas sample probe.

This probe is designed for easy installation, reliable operation, trouble-free maintenance and universal applicability. Depending on the application, different prefilters with G ½ thread and main filter, not included in the scope of delivery of the probe, can be used.

The main filter element is placed inside the housing with low stagnant space and can be exchanged with simple tools and it is not necessary to remove the sample line, thus avoiding contamination of the clean gas path and also maintaining the integrity of the system.

The special high performance heating cartridge permits controlled heating of the complete filter housing and probe up to 300°C. This ensures reliable operation preventing the temperature falling below the dew-point, as requested 180°C in the Standard.

The temperature is controlled by an integral compact design capillary sensor thermostat. The calibration gas can be injected in front of the filter to be sure that it has the same circumstance as the sampling gas.

### Suction Tube:

Ø 25 mm, fixed inner tube with 6 mm internal diameter, entrance: internal thread G ½, electrical heated with high performance heating cartridge (~ 400 W), material: Stainless Steel, length: 1000 mm, 1500 mm or 2000 mm.

### Filter Heater:

Electrical heated with high performance heating cartridge ~ 400 Watt (230 V), length: ca. 200 mm, Ø 110 mm, with isolation, Stainless Steel calibration gas connector: Swagelok 6 mm, Stainless Steel suction gas connector: Swagelok 6 mm with holder for heated sampling line. Material heater: Aluminum. Material in contact with gas: Stainless Steel.

### Temperature Controller

Temperature setting: 50..300°C, with 10°C increments. The controller is mounted at the heater in one aluminum box with switch and signal lamp

