In many applications gas analysis is the key for safe and efficient control of process flows, environmental protection and quality assurance. In extractive gas analysis the location of the gas sampling point is crucial for the reproducibility and accuracy of the analysis results.

The specific filter capacity, corrosion resistance and functional equipment requirements for the probe arise from the composition of the sample gas.

However, operating costs are also an important criterion in the selection, as the sampling points are frequently located at hard to access points in the system. Effective particle filter backwashing options and low maintenance characterise the extensive GAS probe series.

**Sample gas probe GAS 222.35-U**

- **Unheated probe with upstream filter**
- The filter element can easily be removed by turning the handle 90°
- For dust loads up to 200 g/m³, non-condensable gases
- The probe is suitable for use in explosive areas
GAS 222.35-U

Flow chart

Technical Data

Gas Probe Technical Data

<table>
<thead>
<tr>
<th>Operating temperature:</th>
<th>max. 395 °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure:</td>
<td>85 psia</td>
</tr>
<tr>
<td>Parts in contact with media:</td>
<td>Flange: 1.4571</td>
</tr>
<tr>
<td></td>
<td>Seals: Graphite/1.4404 and see filter</td>
</tr>
</tbody>
</table>

We reserve the right to amend specification.
**Ordering Instructions**

The item number is a code for the configuration of your unit. Please use the following model key:

<table>
<thead>
<tr>
<th>4622235</th>
<th>0</th>
<th>9</th>
<th>9</th>
<th>0</th>
<th>X</th>
<th>0</th>
<th>X</th>
<th>X</th>
<th>X</th>
<th>X</th>
<th>X</th>
</tr>
</thead>
</table>

**Product Characteristics**

- **Flange / approval**
  - DIN DN65 PN6
- **Cleaning the probe**
  - none
- **Calibrating gas connection**
  - 0: No calibrating gas connection
  - 1: 6 mm
  - 2: 6 mm + check valve
  - 3: 1/4”
  - 4: 1/4” + check valve
- **Connection heated extension**
  - No
- **Built-in temperature controller for heated extension**
  - No
- **Blowback with air reservoir**
  - 1: Air reservoir bracket
  - 2: Air reservoir heating
- **Compressed air valve / valve voltage information**
  - 0: Manual
  - 1: 115 V
  - 2: 230 V
  - 3: 24 V
  - 9: None (if no blowback requested)
- **Pneumatic drive for ball valve**
  - 9: N/A
- **Limit switch for pneumatic drive**
  - 9: No
- **Control valve for pneumatic drive**
  - 9: No control valve

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For flammable sample gas, always use inert gas for blowback. Probe blowback prohibited when using explosive gases!

**Options**

The base unit becomes functional by adding accessories suitable for the application. Please refer to accessory data sheet no. 461099 for information.

Please also refer to data sheet no. 461000 "GAS 222 Gas Probes” for a general description.