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 ANSI/CSA

- Unheated probe with Shut-off valve and 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 has no innate ignition source and is therefore suitable for use in Ex areas
- "CSA C & US" approval only when used with 3” 150lbs. ANSI flange
**Technical Data**

**Gas Probe Technical Data**

<table>
<thead>
<tr>
<th>Part</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probe operating temperature</td>
<td>max. 395 °F</td>
</tr>
<tr>
<td>Max. operating pressure</td>
<td>85 psia</td>
</tr>
<tr>
<td>Parts in contact with media</td>
<td></td>
</tr>
<tr>
<td>Flange</td>
<td>1.4571</td>
</tr>
<tr>
<td>Seals</td>
<td>Graphite/1.4404 and see filter</td>
</tr>
</tbody>
</table>
## 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>1</th>
<th>9</th>
<th>9</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>X</th>
<th>X</th>
<th>X</th>
<th>9</th>
<th>X</th>
</tr>
</thead>
</table>

### Product Characteristics

- **Flange / approval**
  - ANSI 3”-150 lbs

- **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**
  - 2): Air reservoir bracket
  - 9): Air reservoir heating

- **Air reservoir bracket**
  - 1): Yes
  - 9): No

- **Pressure valve/valve voltage information**
  - 0: Manual
  - 1: 120 V 60 Hz
  - 2: 240 V 60 Hz
  - 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

---

1) Probes with ANSI flange are CSA and C-US approved

2) In the case of flammable gases, always use inert gas for blowback. Probe blowback prohibited when using explosive sample gas!

### Options

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