Panel-Filter AGF-FE-4

Especially in emission control via portal analysis systems the sample gas cannot always be extracted without particle contamination. The necessary conditioning systems must be compact and lightweight and therefore require small and light system components.

We offer special filter housings for these applications and for installation into a standard 19” rack.

The AGF-FE-4 filters screw into the front panel and their sample gas connections are located at the back.

- Front panel installation
- Easy installation
- Large filter surface
- Easy element replacement
- Acid-proof materials
Use in explosive areas (additional notices):
The filter meets the fundamental safety requirements of Directive 2014/34/EU and is suitable for use in Category 2G, Explosion class IIB areas. The filter is not marked, as it does not have an innate ignition source and Directive 2014/34/EU therefore does not apply.

Flammable gases, explosion class IIB, which could occasionally be explosive during normal operation may be conveyed through the filter.

Be sure to observe the instructions in the respective operating instructions!

Ambient temperature range when used in Ex areas: \(-5 °C \leq T_{amb} \leq 60 °C\).

Technical Data

**AGF-FE-4 Built-In Filter**

- Filter surface: 42 cm²
- Filter fineness: 2 µm
- Dead volume: 28.5 ml
- Material - filter housing: PTFE, PVDF, Duran glass (parts in contact with mediums)
- Material - gasket: Viton or PTFE-reinforced Viton
- Material - filter element: Sintered PTFE
- Connections (A): G1/8 or NPT 1/8 (see ordering information)
- Operating pressure max.: 2 bar
- Medium temperature: max. +100 °C

Ordering instructions

**Filter**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Model</th>
<th>Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 15 100</td>
<td>AGF-FE-4</td>
<td>G1/8</td>
</tr>
<tr>
<td>41 15 100I</td>
<td>AGF-FE-4-I</td>
<td>NPT 1/8</td>
</tr>
<tr>
<td>41 15 200</td>
<td>AGF-FE-4-VI/PTFE</td>
<td>G1/8</td>
</tr>
<tr>
<td>41 15 200I</td>
<td>AGF-FE-4-VI/PTFE-I</td>
<td>NPT 1/8</td>
</tr>
<tr>
<td>41 01 003</td>
<td>O-ring</td>
<td></td>
</tr>
</tbody>
</table>

* one filter element is included with delivery.

**Filter element**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Model</th>
<th>Material</th>
<th>Packing unit</th>
<th>Ex application</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 15 10 50</td>
<td>FE-4</td>
<td>Sintered PTFE</td>
<td>8 pieces</td>
<td>II B</td>
</tr>
</tbody>
</table>

We reserve the right to amend specification.