



Sample Gas Filter AGF-VA-350

Even if the particular contaminant has already been removed at the extraction point through effective particle filtration inside the gas sampling probe, in long or branched sample gas line there is a risk of secondary contamination. Additional filters are therefore often installed at the point where the sample gas enters the analysis system and also before delicate system components. The filter housings must be made of corrosion-resistant, non-absorbent materials, easy to install and easy to maintain. They should further be compatible with various filter elements.

Model AGF-VA-350 has a small stainless steel housing and is suitable for operating pressures up to 350 bar.

Very quick and easy filter changes without tools

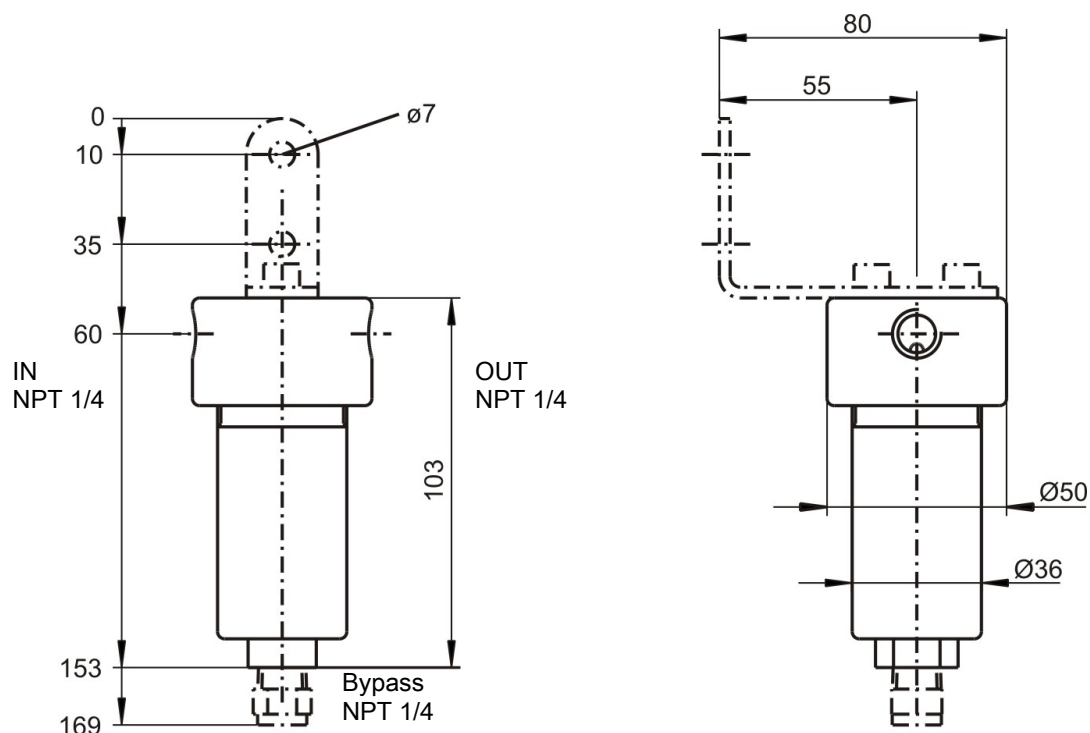
Low dead volume

Variable wall mounting via mounting bracket

(Auto-) condensate drain option through connection thread (NPT 1/4") inside the filter cover



Dimensions



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 group IIC areas. The filter is not marked, as it does not have an innate ignition source, so Directive 2014/34/EU does not apply.

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

Be sure to observe the relevant operating instructions!

Ambient temperature range when used in Ex areas: $+5\text{ °C} \leq T_{\text{amb}} \leq +60\text{ °C}$.

Technical Data

Filter

| | |
|---------------------------------|--------------------|
| Dead volume with filter element | 18 ml |
| Material - filter housing | 1.4404 (SS 316L) |
| Material - gasket | Viton FEP shrouded |
| Material - filter element | see table |
| Weight | approx. 0.8 kg |
| Operating pressure max. | 350 bar |
| Medium temperature max. | 150 °C |

Ordering instructions

Filter (empty housing)

| Item no. | Model | Material | permissible explosion group of the external filter area |
|----------|--|---|---|
| 4135999 | AGF-VA-350-T for installing GF filter elements | 1.4404 (SS316L), Viton gasket, FEP shrouded | IIC |
| 41359993 | Mounting bracket | 1.4301 (SS 304) | |
| 9008802 | Plug NPT 1/4 | 1.4401 (SS 316) | |
| 9009297 | O-ring | Viton/FEP shrouded | |

Filter elements

| Item no. | Model | Material | Filter fineness | max. temperature | Packaging unit | permissible explosion group of the internal filter area |
|----------|-------|--------------------------|-----------------|------------------|----------------|---|
| 4135G002 | GF2 | Fibreglass / epoxy resin | 2 µm | 150 °C | 1 count | IIC |
| 4135G005 | GF5 | Fibreglass / epoxy resin | 5 µm | 150 °C | 1 count | IIC |
| 4135G010 | GF10 | Fibreglass / epoxy resin | 10 µm | 150 °C | 1 count | IIC |