



## Sample Gas Coalescing Filter K-AGF-VA-350

In specific gas technology applications, high pressure keeps the gas inside the systems. The undesirable disturbance variables also include aerosols in the gas in these types of systems. The aqueous suspended particles can easily be removed from the gas by coagulation using special filter matrices. During this process, the tiny aerosols accumulate on the fibres of the filter matrix through collision, forming drops increasing in size. Once large enough, the condensate which forms drains into the filter bowl and is then removed.

Model K-AGF-VA-350 has a stainless steel housing for operating pressures up to 5076 psi.

Very quick and easy filter changes without tools

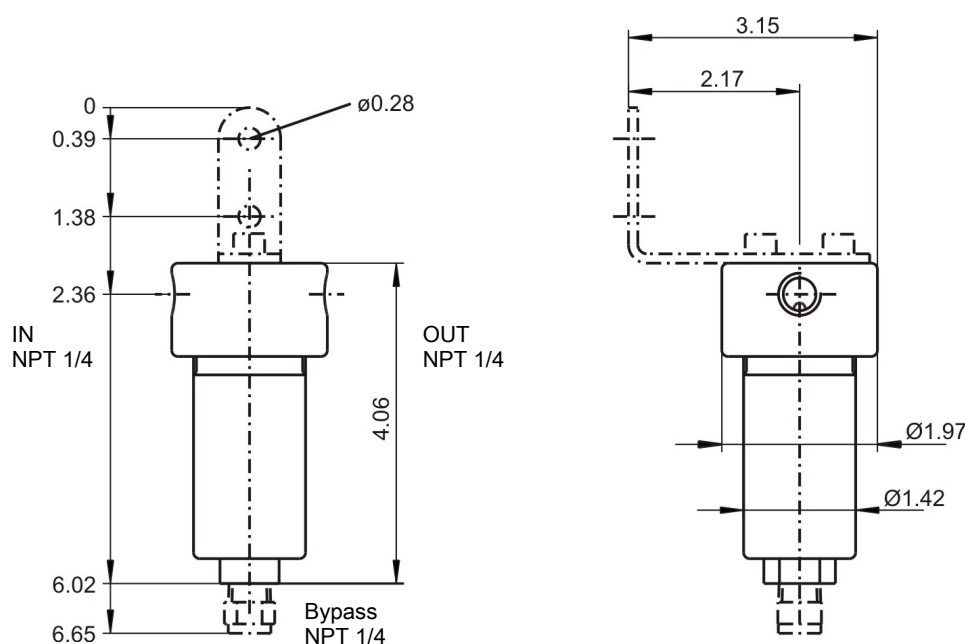
Low dead volume

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:**  $41^{\circ}\text{F} \leq T_{\text{amb}} \leq 140^{\circ}\text{F}$ .

## Technical Data

### Filter

Dead volume with filter element	1.1 cu. in.
Material - filter housing	1.4404 (SS 316L)
Material - gasket	Viton FEP shrouded
Material - filter element	see table
Weight	approx. 1.76 lb
Operating pressure max.	5076 psi
Medium temperature max.	302 °F

## Ordering instructions

### Filter (empty housing)

Item no.	Model	Material	permissible explosion group of the external filter area
4135099	K-AGF-VA-350-T, for installation of filter element 12-57-C	1.4404 (SS 316L), 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 element

Item no.	Model	Filter element	Material	Filter surface	Packaging unit	permissible explosion group of the internal filter area
4932002	12-57-C	Sleeve	Borosilicate fibre	4.3 in <sup>2</sup>	1 count	IIC