



## 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.

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Front panel installation

Easy installation

Large filter surface

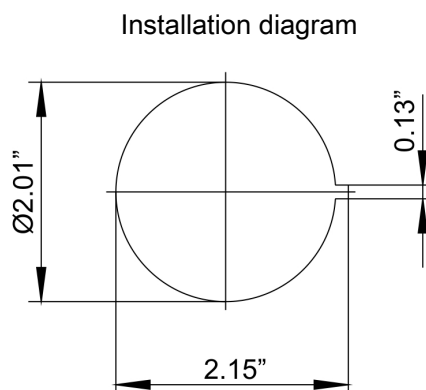
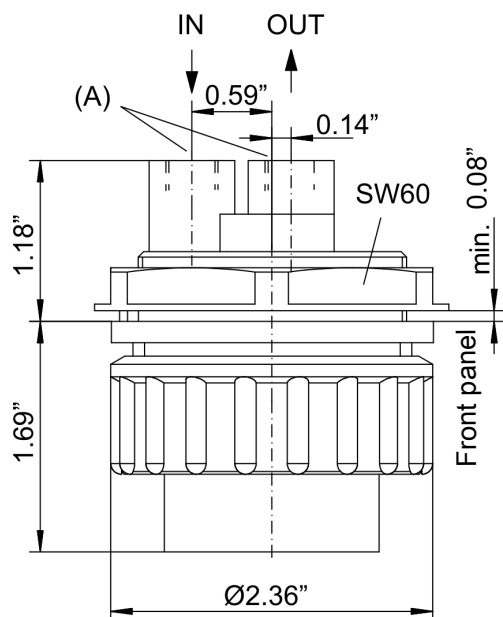
Easy element replacement

Acid-proof materials

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## 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 IIB 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 IIB, 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

### AGF-FE-4 Built-In Filter

Filter surface	6.5 in <sup>2</sup>
Filter fineness	2 $\mu\text{m}$
Dead volume	1.74 cu. in.
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.	29 psig
Medium temperature	max. 212 °F

## Ordering instructions

### Filter including filter element

AGF-FE-	4	4-I	4-Vi/PTFE	4-Vi/PTFE-I
Item no.:	4115100	4115100I	4115200	4115200I
Item no. O-ring:	4101003	4101003	4101003	4101003
Element:	FE-4	FE-4	FE-4	FE-4
Connections:	G1/8	NPT 1/8"	G1/8	NPT 1/8"
permissible explosion group of the external filter area:	IIB	IIB	IIB	IIB
permissible explosion group of the internal filter area:	IIB	IIB	IIB	IIB

### Filter element

Item no.	Model	Material	Packaging unit	permissible explosion group of the internal filter area
41151050	FE-4	Sintered PTFE	8 count	IIB