

Sample Gas Filter AGF - PV - 30



Sample gas streams must be conditioned to provide particulate and moisture-free gas to the analyzer.

The AGF-PV-30 with the Bühler Unique QC bracket provides fine filtration and easy replacement of the filter media without the use of tools. This means the filter media can be changed in a matter of seconds.

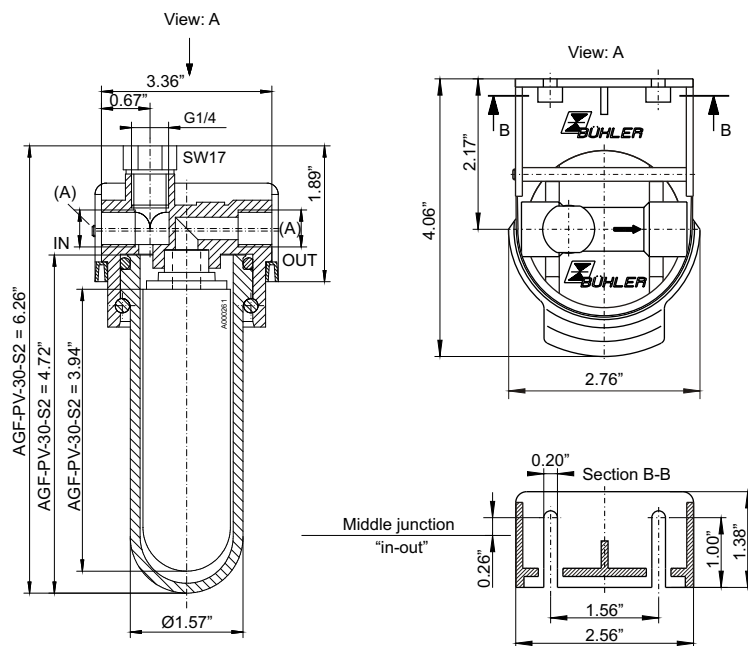
The QC bracket rotates 180° making the mounting of the bracket of the filter independent from the flow direction chosen. This versatile mounting feature makes installation problem-free.

The filter head features an auxiliary port that can be used either for a bypass or for installation of a moisture detector.

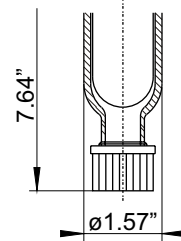
A variety of filter media is available to meet any specific application requirement.

- **Bühler Unique - QC bracket**
- **Easy change of filter element without use of tools**
- **Low dead volume for fast response**
- **Versatile mounting bracket**
- **Condensate drain option**
- **Filter-head with additional port for bypass or moisture detector**

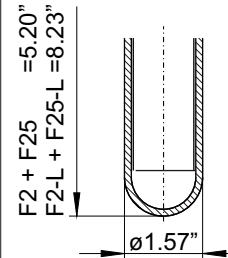
Dimensions



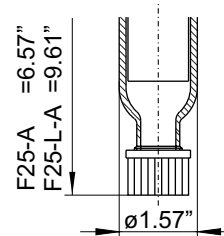
AGF-PV-30-S2-A



**AGF-PV-30-F2 / F2-L
AGF-PV-30-F25 / F25-L**



AGF-PV-30-F25-A / F25-L-A



Technical Data

Filter head	PVDF	Temperature max.	212 °F
Filter bowl	Glas	Pressure max.	58 psig
Seal	Viton	Threads (A)	G1/4 or NPT 1/4 (see order information)



Application in explosive atmosphere (additional cautions):

The equipment corresponds to the essential requirements of the European Directive 94/9/EC. Therefore it can be used in explosive atmosphere (**Zone 1 ; Group IIB**). Depending on the filter element used, inflammable gases and flammable gases (only temporary explosive in normal operation, **Zone 1; Group IIB or IIC**) can be introduced through this gas filters.

Note indications of risk in the installation and operation instruction of the filter!

Please indicate with order*

AGF-PV-	30-S2	30-S2-A	30-F2	30-F2-A	30-F2-L	30-F25	30-F25-A	30-F25-L	30-F25-L-A	30-AKF
AGF-PV-I	30-S2-I	30-S2-A-I	30-F2-I	30-F2-A-I	30-F2-L-I	30-F25-I	30-F25-A-I	30-F25-L-I	30-F25-L-A-I	30-AKF-I
Pore size	2 µm	2 µm	2 µm	2 µm	2 µm	25 µm	25 µm	25 µm	25 µm	1 µm
Part no. (G1/4)	41 50 099	41 50 199	41 50 2999	41 51 999	41 50 799	41 50 299	41 50 399	41 50 499	41 50 599	41 53 099
Part no. (NPT 1/4)	41 50 099I	41 50 199I	41 50 2999I	41 51 999I	41 50 799I	41 50 299I	41 50 399I	41 50 499I	41 50 599I	41 53 099I
Element	S2	S2	F2	F2	F2-L	F25	F25	F25-L	F25-L	AKF
Dead volume	57 ml	69 ml	57 ml	57 ml	108 ml	57 ml	63 ml	108 ml	117 ml	45 ml
Weight approx.	0.62 lb	0.64 lb	0.53 lb	0.64 lb	0.64 lb	0.51 lb	0.53 lb	0.64 lb	0.66 lb	0.51 lb

* delivery includes one filterelement

Spare filter elements AGF-PV-30

Type	Filter elements	Material	Pore size	Surface area	Part no.	Package	Ex	Range of use
S2	husk	glass fiber	2 µm	12.4 in ²	41 01 00 10	5 pcs.		Group IIC
S2	husk	glass fiber	2 µm	12.4 in ²	41 01 00 2	25 pcs.		Group IIC
F2	PTFE sintered	PTFE	2 µm	9.3 in ²	41 03 00 50	5 pcs.		Group IIB
F2-L	PTFE sintered	PTFE	2 µm	19.4 in ²	41 02 00 50	2 pcs.		Group IIB
F25	PTFE sintered	PTFE	25 µm	9.3 in ²	41 02 01 30	5 pcs.		Group IIB
F25-L	PTFE sintered	PTFE	25 µm	19.4 in ²	41 01 01 20	2 pcs.		Group IIB
AKF	threaded	activated carbon	1 µm	45 cm ²	41 010 130	1		Group IIC