

Sample Gas Filter AGF - VA - 23



Sample gas stream must be conditioned to provide particulate and moisture free gas to enter the analyser cells.

The sample gas filter with Bühler Unique-QC bracket provides fine filtration and a very easy change of the exhausted filter elements. The Unique-QC bracket eliminates completely the need of tools to open the filter bowl hence making the element change a matter of seconds and eliminates particularly for stainless steel the risk of blocking threads.

The QC bracket fits either from the front or the rear side making the panel installation of the filter independent from the flow direction chosen.

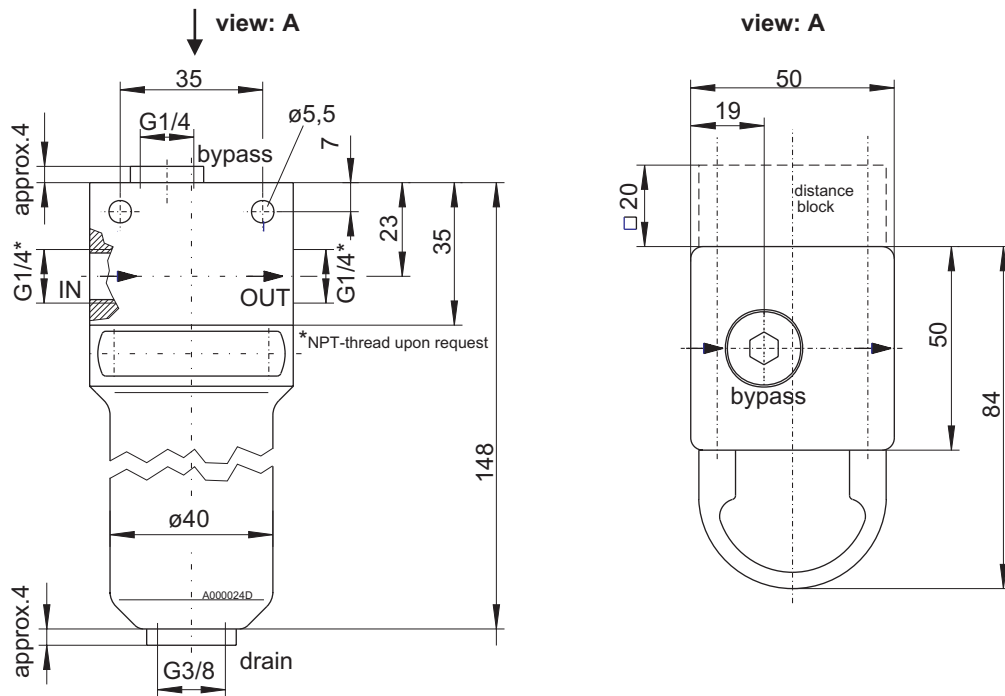
The filter head has an auxiliary port. This can be used either as bypass or can take a moisture detector which will detect a waterslip through the filter.

There is a choice of filter elements available to meet the different application parameters.

Element and housing provide small death volumina.

- **Bühler Unique-QC bracket**
- **easy change of filter elements without tools**
- **low death volume**
- **variable attachment to panels**
- **condensate drain through port in bowl possible**
- **filter head with auxiliary port for bypass or moisture detector**

dimensions



technical data

temperature max.*	see table
pressure max.*	160 bar
death volume with filter element	
DRGxxSO-V/-P	50 ml
DRGxxxVA-V	56 ml
F2 / F25	51 ml
weight approx.	1,7 kg

material

housing	1.4571 / SS 316 Ti
filter elements	see table
seal	viton / PVDF or perfluorelastomer

*temperatur and pressure are extremly reduced when inserting a moisture detector.

please indicate with order

filter housing will be delivered with fixing device, bolts DIN 912 M5x80, and plugs in auxiliary, head port and bowl port.

filter (housing only) order element from table below separately

part no	type	seal
41 42 999	AGF-VA-23-V for mounting filter elements DRG	viton / PVDF
41 45 999	AGF-VA-23-P for mounting filter elements DRG	perfluorelastomer
41 42 699	AGF-VA-23-V-F2/F25 for mounting filter elements F2 / F 25	viton / PVDF
41 45 699	AGF-VA-23-P-F2/F25 for mounting filter elements F2 / F 25	perfluorelastomer

filter elements

part no.	type	seal	material	temp. max.	filter retention	-surface	pcs.
78 56 966	DRG 25 VA-V	viton	1.4301 / epoxyresin	120 °C	25 μ m	70 cm ²	1
78 56 974	DRG 60 VA-V	viton	1.4301 / epoxyresin	120 °C	60 μ m	70 cm ²	1
78 56 982	DRG 100 VA-V	viton	1.4301 / epoxyresin	120 °C	100 μ m	70 cm ²	1
41 03 003	DRG 25 SO-V	viton	1.4301 / 1.4401	150 °C	25 μ m	70 cm ²	1
41 03 004	DRG 60 SO-V	viton	1.4301 / 1.4401	150 °C	60 μ m	70 cm ²	1
41 03 008	DRG 25 SO-P	perfluorelastomer	1.4301 / 1.4401	260 °C*	25 μ m	70 cm ²	1
41 03 009	DRG 60 SO-P	perfluorelastomer	1.4301 / 1.4401	260 °C*	60 μ m	70 cm ²	1
41 03 005	F2	--	PTFE sintered	100 °C	2 μ m	60 cm ²	5
41 02 013	F25	--	PTFE sintered	100 °C	25 μ m	60 cm ²	5

Other filter elements upon request

* at reduced maximum pressure

we reserve the right to amend specification