Gas and air filter GF / 1 Rp 1/2 - Rp 2





Technical description

Filter for interior gas lines as per DIN 3386 with high dust storage capacity.

Maximum recommended pressure difference: 10 mbar.

Installation option for pressure measurement point for filter monitoring.

Application

Type GF/1 gas and air filter for protecting downstream fittings. Filter suitable for gases of families 1,2,3 and other neutral gaseous media.

Approvals

EU type test approval as per EU Gas Appliance Directive.

CE-0085 AQ 0121

Approvals in other important gas-consuming countries.

Specifications

Nominal diameter	DN 15 DN 20 DN 25 DN 40 DN 50 Rp 1/2 Rp 3/4 Rp 1 Rp 1 1/2 Rp 2 as per ISO 7/1						
Max. operating pressure	0.5 bar						
Pressure stage	PN 1						
Max. pressure difference	≤ 10 mbar, maximum recommended pressure difference in new condition						
Ambient temperature	-15 °C to +80 °C						
Pore width of filter element	≤ 50 µm						
Measuring/ignition gas connection	GF 5/1: G 1/4 as per DIN ISO 228 upstream and downstream of filter element, on housing cover GF 40/1 : Screw plugs						
Materials	Housingaluminium castSealsNBRRandom laid nonwoven fabricPP, PEFilter holderPOM						
Installation position	Any, preferred position: with cap vertical						
Functional description Filter designed for installation in interior gas lines and compressed air lines to protect downstreamfittings. Filter element made of random laid nonwoven polypropylene fabric and metal support frame with pore width of \leq 50 µm. Dust, chips and rust as well as other physical gas-accompanying materi- als and fouling are retained using the random laid nonwoven fabric. If the dust storage capacity is ex- panded or if there is an excessive	InstallationChange filter elementRefer to gas flow direction indicated by arrow on filter housing At least once a yearProvide sufficient space for changing the filter element If pressure difference has increased by 100% compared to new filterIf the filter cap is mounted in vertical position, it is easier to clean the filter housing When pressure difference exceeds 10 mbarAfter installation, perform leak test.Filter monitoring GF 40/1: The G 1/4 screw plugs can be replaced by suitable screw con- nections. Connect an gas differential pressure switch to monitor the pres- sure difference						

If the dust storage capacity is exceeded or if there is an excessive walls, floors and filter. pressure difference, the filter loses its protective function.

Α В

Gas filter with differential pressure switch

G 1/4 screw connection **only** GF 5.../1

А

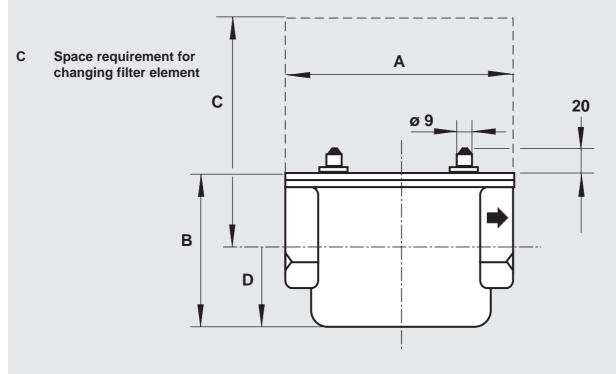
Differential pressure switch for gas

- B

А

sure difference.

Dimensions (mm)

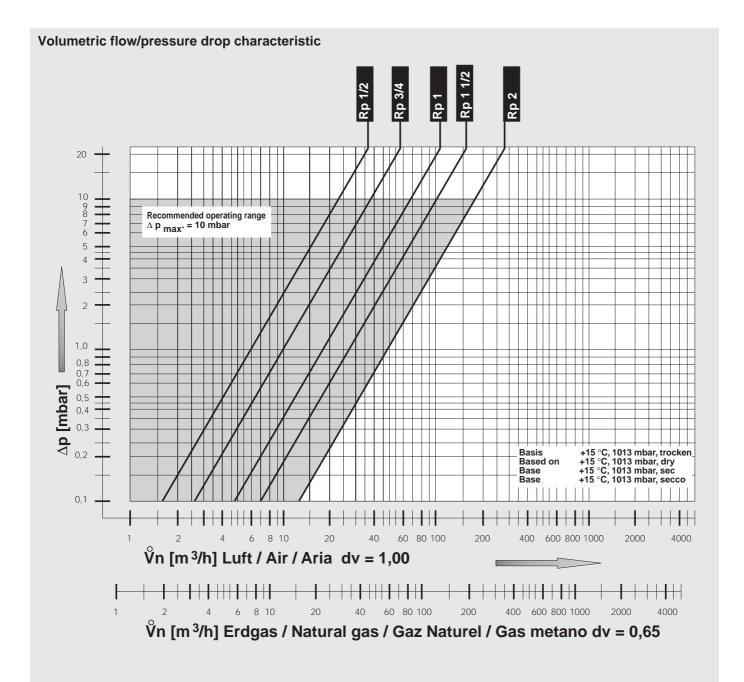


Туре	Order No.	Max. operating pressure [bar]	connection Rp	Dimensions [mm]				Weight [kg]
				a	b	С	d	r
GF 505/1	066 191	0.5	Rp 1/2	120	90	115	55	0.7
GF 507/1	066 209	0.5	Rp 3/4	120	90	115	55	0.7
GF 510/1	066 217	0.5	Rp 1	160	105	145	51	1.1
GF 515/1	066 225	0.5	RP 1 1/2	160	105	145	51	1.1
GF 520/1	066 233	0.5	Rp 2	186	140	195	65	1.9
GF 4005/1	228 073	4.0	Rp 1/2	120	90	115	55	0.7
GF 4007/1	228 074	4.0	Rp 3/4	120	90	115	55	0.7
GF 4010/1	228 075	4.0	Rp 1	160	105	145	51	1.1
GF 4015/1	228 076	4.0	Rp 1 1/2	160	105	145	51	1.1
GF 4020/1	228 077	4.0	Rp 2	186	140	195	65	1.9

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We reserve the right to make any changes in the interest of technical progress.



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