

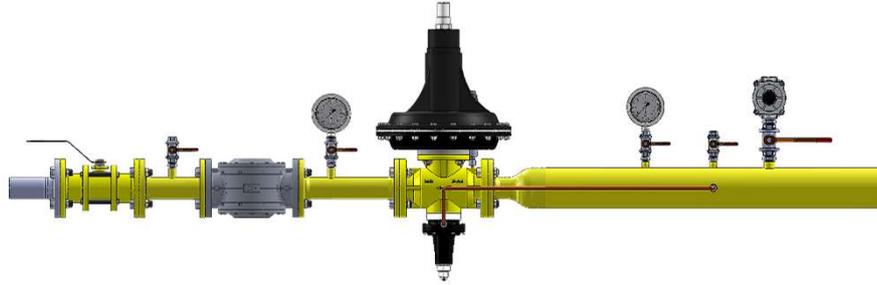
燃气过滤器 GAS FILTER



Type GF

适合各类气体的过滤
The filters are suitable for
gases

产品描述 / PRODUCT DESCRIPTION



GF 型蜂窝式气体过滤器设计用于在气体输送管线中的指定位置截留气体杂质，例如灰尘、铁锈和其他固体颗粒。它们主要用于气体压力调节和测量站、发电厂和设备上游，其功能会受到污染物的影响。过滤器适用于符合 DIN 3840 和 EN 12516 的气体和中性非腐蚀性气体。

- 户外标准设计
- 带有疏水性过滤介质的可轻松更换的滤芯
- 优化的流量控制确保高过滤效率
- 可按装压力表，压差表，变送器等

Type 'GF' cellular gas filters are designed for retaining gas impurities, such as dust, rust and other solid particles, in gas-carrying lines at a defined location. They are mainly used in gas pressure regulating and measuring stations, power plant and upstream of equipment, the function of which would be impaired by contaminants. The filters are suitable for gases in accordance with DIN 3840 ve EN 12516 and neutral non-corrosive gases. (Other gases on request).

- Outdoor version as standard
- Easily replaceable filter cartridge with hydrophobic filter medium
- Optimized flow control ensures high filtration efficiency
- Optionally available with differential pressure measurement
(for electric remote transmission , differential pressure gauge with limit switch)

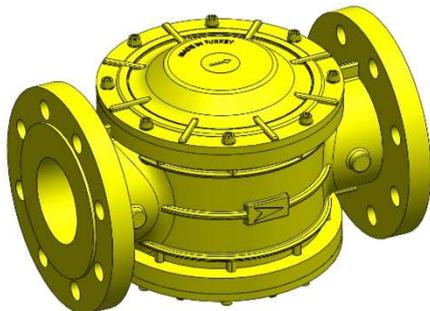
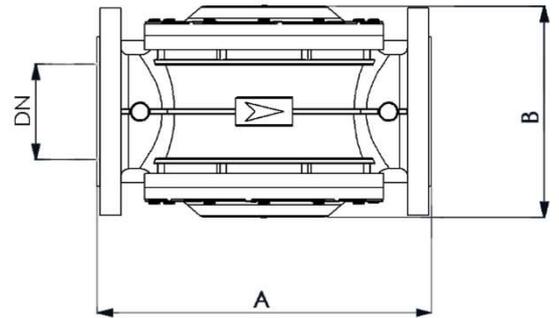
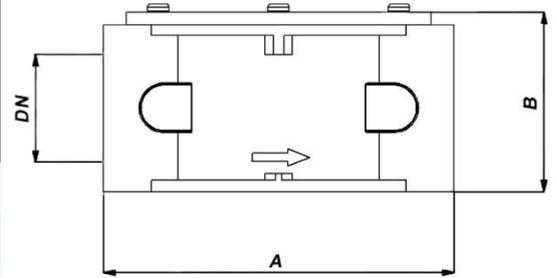


技术参数 / Technical Features

压力 Desing Pressure,PS	6 bar
口径 diameter	Threaded Conn. 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" ISO 7/1 Flanged Conn. DN 25-32-40-50-65-80-125-150-200-250-300 ISO 7005 or ANSI Class 150 RF
过滤网 Filtration efficiency	10 or 20 or 50 µm
过滤面积 Filter Area	see pages 4
运行温度 环境温度 Operating Temperature Ambiente Temperature	-20°C to +60°C / -4°F to 140 °F -30°C to +60°C / -22°F to 140 °F on req. -40°C / 40 °F
壳体材质 Body - Cover	AlSi Cast
过滤材质 Materials Filter Element	Metallic grid and textile filter element
密封 Sealings	NBR
最大使用压差 Approximate ΔP value for filter cartridge change	20 mbar
污染后最大压差 ΔP max limit for soiled filter cartridges	100 mbar
气体种类 Type of Fluid	Natural gas, Town gas, Propane, Butane, Air, Nitrogen or any noncorrosive and filtered dry gases. Group1,2,3
测试 Testing	DIN 3386
CE-mark acc. to PED and PIN-Nr.	CE1783 612-PED-062/2014-01
Explosion protection	Mechanical components of regulator do not contain a potential ignition source, thus do not fall in limits of ATEX 95 (94/9/EG). (Used electronic accessories comply with ATEX-demands.)
可选项目 Options	Biogas Version, Differential Pressure Gauge w/o microswitch

尺寸和重量 / DIMENSIONS AND WEIGHT

SIZE (DN)	A (mm)	B (mm)	filtering surface (mm ²)
1/2" C	63	65	3890
3/4" C	63	65	3890
1/2"	120	76	4560
3/4"	120	76	4560
1"	120	76	4560
1 1/4"	160	87	19.000
1 1/2"	160	87	19.000
2"	160	87	19.000
DN25	235	115	20.500
DN32	235	150	12.600
DN40	235	150	12.600
DN50	235	150	12.600
DN65	310	215	41.000
DN80	310	215	41.000
DN100	350	240	77.000
DN125	420	310	165.000
DN150	420	310	165.000
DN200	420	380	200000
DN250	737	510	330000
DN300	737	510	330000



LABELING

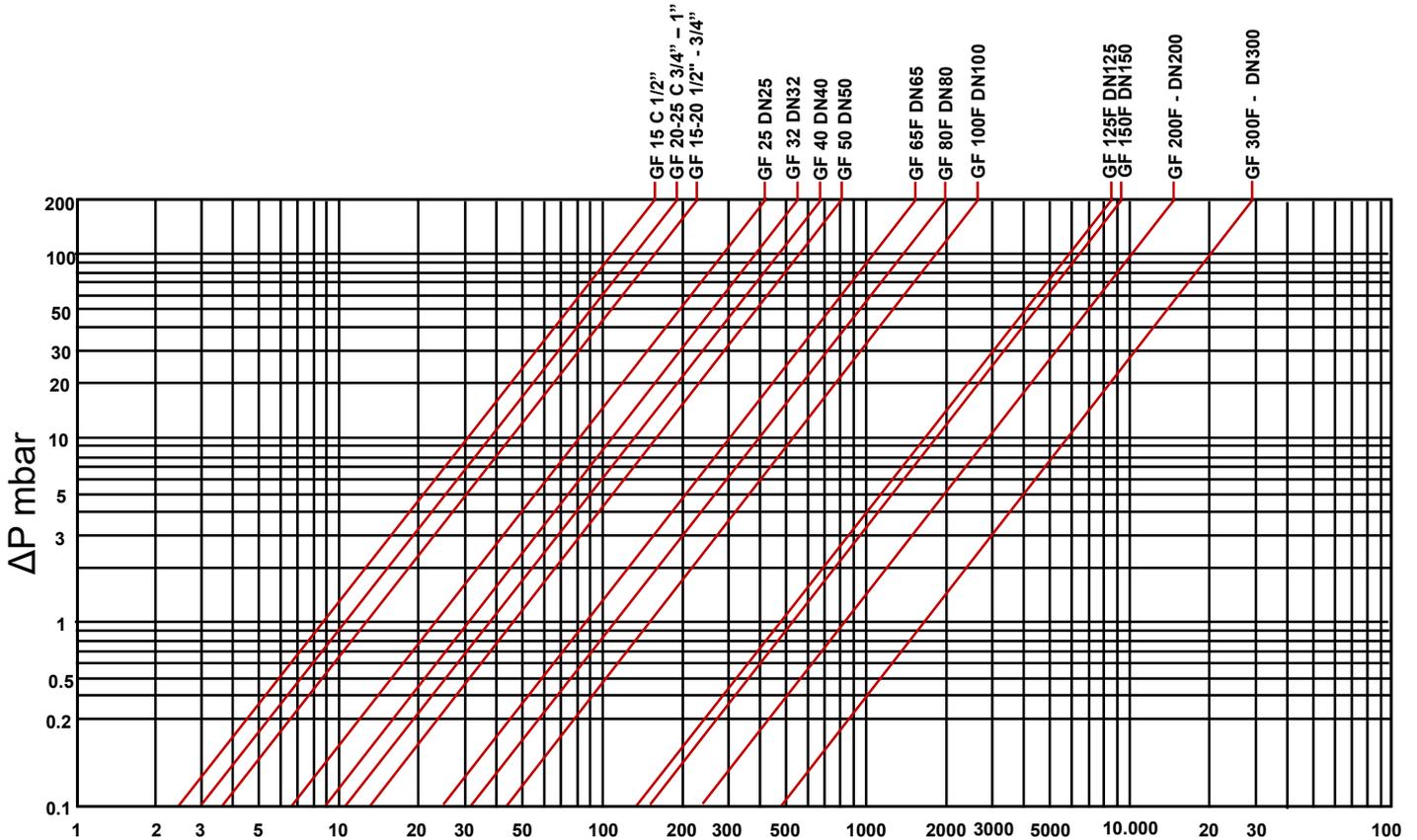


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ÜRÜN TİPİ / PRODUCT TYPE	: GF 100F
LOT. SERIAL NO	: 21501-2016
CONNECTION DIAMETER	: DN100 ISO 7005/2 PN16
DESIGN PRESSURE	: 6 bar
TEST PRESSURE	: 9 bar
DESIGN TEMPERATURE	: -10 °C +60 °C
FILTERING EFFICIENCY	: 50 µ



流量曲线 / CAPACITY TABLE



Debi Q (Stm3/h) / Flow Rate = Doğalgaz / Natural gas, Şartlar, Base: +15°C, 1013 mbar, kuru

其他气体的流量 / Flow with Other Gases

以上表格是基于天然气的标况流量在密度0.61和温度15°C时
换算其他气体的流量见一下公式。

In the tables above, the flow is in (n)m³/h natural gas with a density 0.61 and temperature 15°C. To convert to other gas flow, using the following formula:

$$Q (\text{Scm/h Naturalgas}) \times Fc = Q (\text{Scm/h Xgas})$$

举例 / Example:

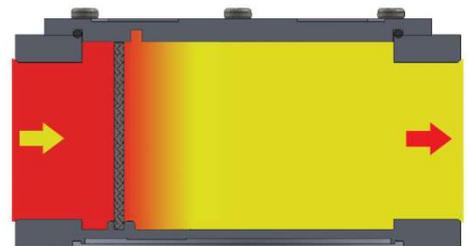
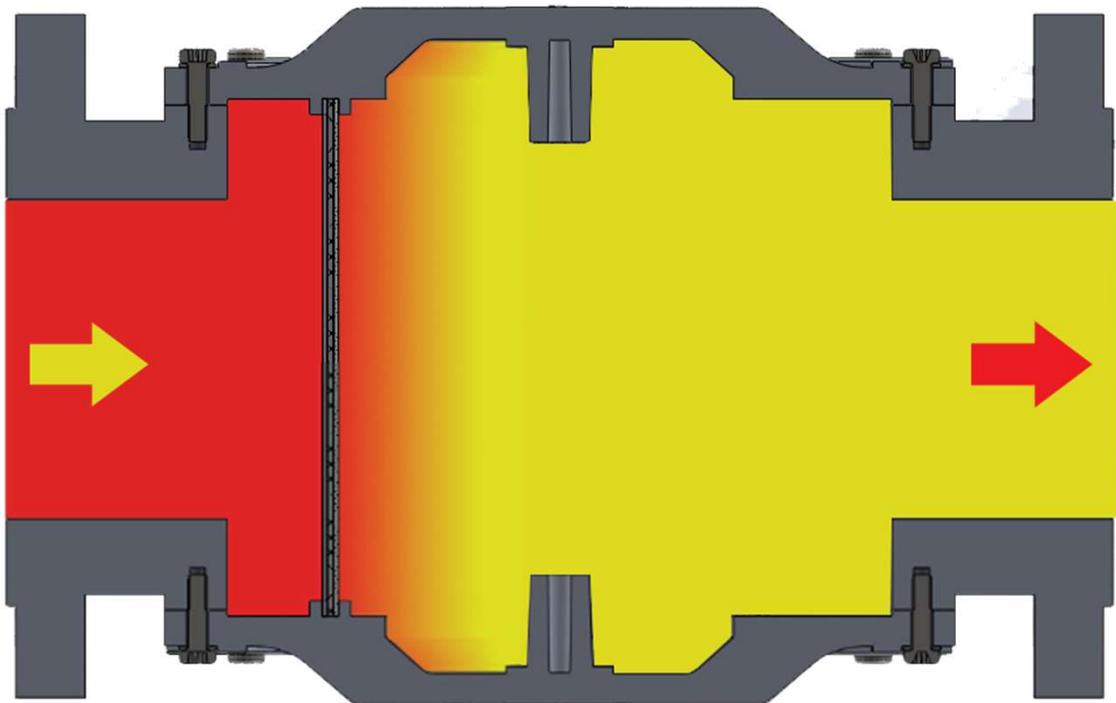
$$Q (\text{Scm/h Naturalgas}) \times 0.78 = Q (\text{Scm/h Air})$$

$$1 \text{ Scm/h Naturalgas} = 0.78 \text{ Scm/h Air}$$

换算值 Correction Factor Fc at 15°C

Propane	0.64
Butane	0.55
Oxygen	0.76
Air	0.78
Nitrogen	0.81
Biogas	0.85
Towngas	1.23
Hydrogen	3.04

POSTER



 Dirty Gas  Cleaned Gas

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Gas Pressure Regulators



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