

Integrated Gas Filter Cartridges



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GVS integrated gas filter cartridges, whose shell is made of electronic grade stainless steel 316L, the internal filter cartridge is made of PFA, and the membrane is PTFE/316L, can effectively remove particles in the gas. Corrosion-resistant and high-pressure resistant materials are suitable for the filtration process of various special gases, with compact structures and easy replacement.

Features

- **High flux and low pressure loss**

The natural hydrophobicity of PTFE membrane enables it to filter gas with very huge filtration flux and very low initial DP. PTFE membrane has excellent particle trapping capacity, providing particle retention efficiency up to 99.99%. Removal rating up to 0.003μm to achieve fine filtration of pipeline gas.

- **Semiconductor Grade Housing Treatment**

The inner surface of the housing is electrolytically polished with Ra less than 0.1μm. The inner surface is corrosion-resistant and mirror-clean.

- **Excellent chemical compatibility**

PTFE is used as media and high purity SUS316L as the housing material. Both of them have excellent corrosion resistance and can be used for active gas filtration. At the same time, ensure the stable filtration of gas under high temperature and high pressure.

Material of Constructions

- Media PTFE
- Cage PFA/SUS316

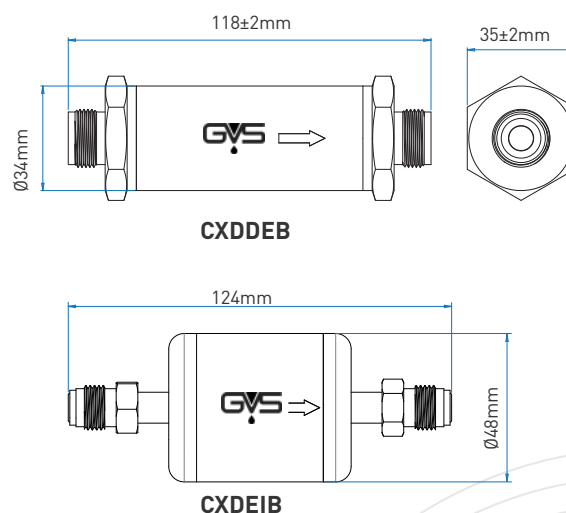
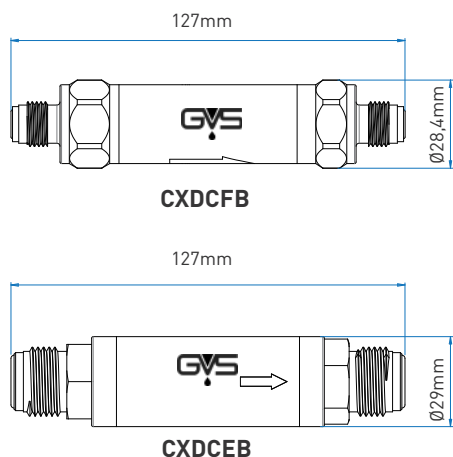
Dimension

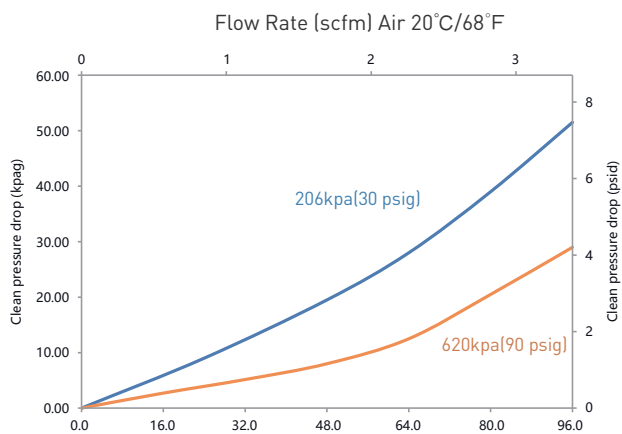
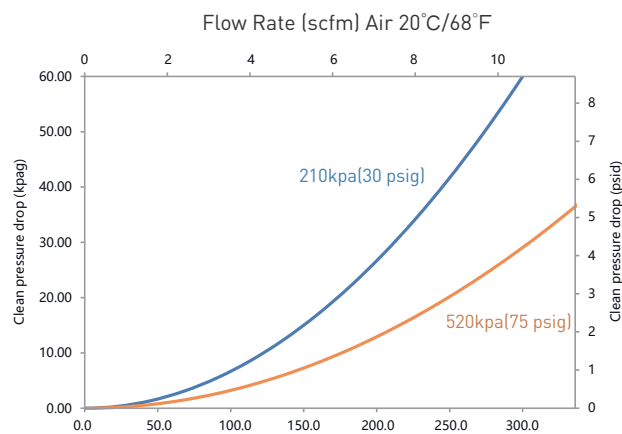
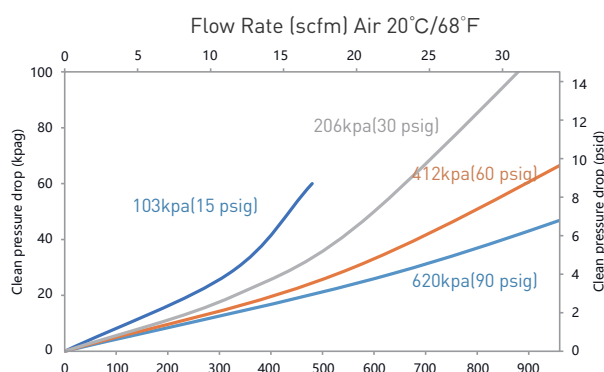
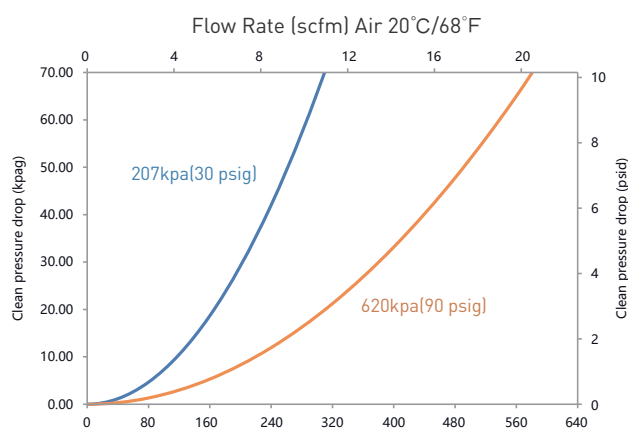
OD	28.4mm
Length	127mm

Performance

- Max Operating Temperature 80 °C
- Max Allowable DP 6bar @ 20 °C
- Max. Operating Pressure 5.2Mpa @ 80 °C

Dimensional Drawings



CXDCFB Pressure Drop vs. Gas Flow rate**CXDCEB Pressure Drop vs. Gas Flow rate****CXDDEB Pressure Drop vs. Gas Flow rate****CXDEIB Pressure Drop vs. Gas Flow rate****Eg.=>CXDCFBF0003MM18V**

Model	Cage Material	Removal Rating	Interface Type
CXDCF=BCFB	F = PFA / SUS316L	0003 = 0.003μm	MM18V = 1/8"VCR (Male/Male)
CXDDEB=DEB		001 = 0.01μm	MM14V = 1/4"VCR (Male/Male)
CXDCEB=CEB			MM38V = 3/8"VCR (Male/Male)
CXDEIB=EIB			MM12V = 1/2"VCR (Male/Male)
			MM34V = 3/4"VCR (Male/Male)
			MM1V = 1"VCR (Male/Male)
			MM14S = 1/4"Swagelok (Male/Male)
			MM516S = 5/16"Swagelok (Male/Male)
			MM38S = 3/8"Swagelok (Male/Male)
			MM12S = 1/2"Swagelok (Male/Male)
			MM58S = 5/8"Swagelok (Male/Male)
			MM34S = 3/4"Swagelok (Male/Male)
			MM78S = 7/8"Swagelok (Male/Male)