

GPF FILTER CARTRIDGES

HYDROPHOBIC PTFE MEMBRANE FILTERS DESIGNED FOR GAS STERILIZATION GRADE APPLICATIONS

GPF Filter Cartridges are composed of a hydrophobic PTFE membrane with polypropylene construction. They are characterized by a high filtration area, and are highly recommended for air and gas filtration for tanks and gases in the ink or industrial industries.

FEATURE	BENEFIT
Hydrophobic PTFE membrane	Inherently hydrophobic to prevent liquid from passing
	Exceptionally high flow rates with low pressure drops
	Recommended for all air and gas filtration in the ink and industrial industries.

QUALITY STANDARDS

Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices.
TOC / Conductivity at 25°C	Autoclaved filter effluent meets the USP <643> for Total Organic Carbon and USP <645> for Water Conductivity per WFI requirements after a UPW flush of specified volume.
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume parenterals/injections.
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)

SPECIFICATIONS

Filter media	Hydrophobic PTFE membrane (Single Layer)
Supports/core/cage/end caps	Polypropylene (Thermal Resistant)
Effective filtration area	0.68m ² (7.3 ft ²)/ Ø68-10 inch
O-rings	Silicone, EPDM, FKM, FEP/PFA encapsulated FKM

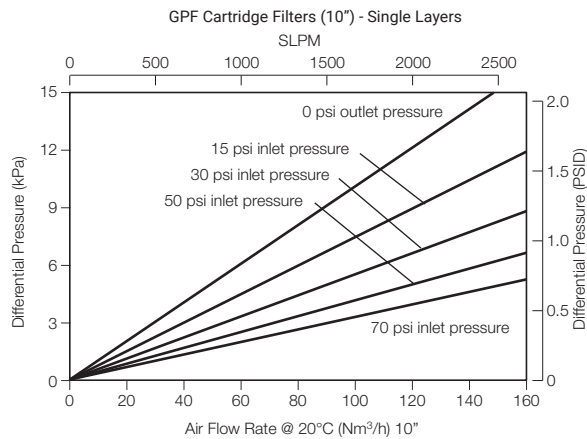


Typical Applications

- Compressed Air and Nitrogen Gas
- Corrosive Gases Filtration
- Vent Filtration

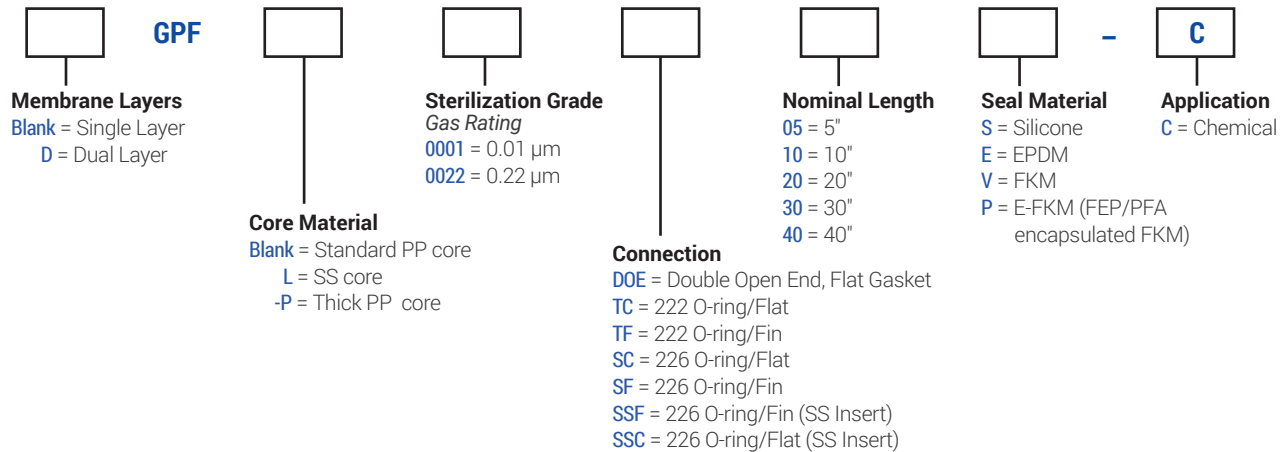
Cartridge diameter	68 mm (2.7 in.)
Max. Operating pressure	0.69 MPa (6.9 bar, 100 psi) at 25°C; 0.40 MPa (4.0 bar, 58 psi) at 60°C; 0.24 MPa (2.4 bar, 35 psi) at 80°C
Max. Differential pressure	Forward: 0.69 MPa (6.9 bar, 100 psi) at 25°C; 0.40 MPa (4.0 bar, 58 psi) at 60°C; 0.24 MPa (2.4 bar, 35 psi) at 80°C Reverse: 0.3 MPa (3.0 bar, 44 psi) at 25°C; 0.1 MPa (1.0 bar, 15 psi) at 80°C

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **GPF0001HSF10S-C** = Single Layer PTFE, 0.01 µm for gas, 226/Fin, 10" filter with silicone seals



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