

ProtecPure GF Cartridge Filter

Description

GF Pleated Filter cartridges utilize both a high surface area and void volume media, incorporating Micro-Glass fibers in a uniform matrix. The nominal micron ratings are: 0.2, 0.45, 1.0, 3.0, 5.0, 10.0, 20.0 and 50.0 μm . All cartridge hardware components are high purity polypropylene materials for use in critical process applications. ProtecPure series cartridges are manufactured and assembled in a clean room environment.

Application

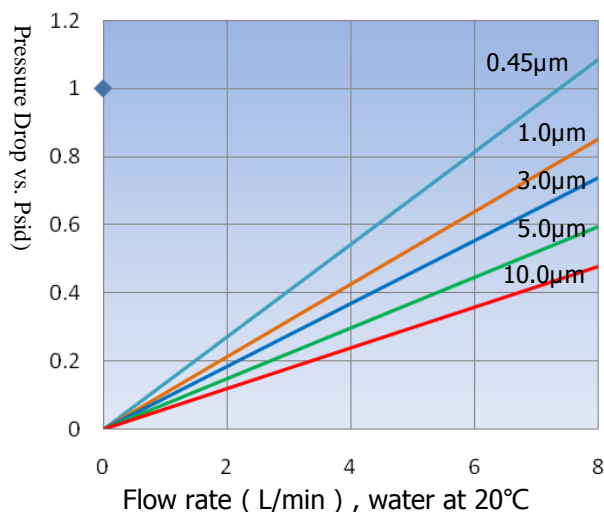
- Biopharmaceutical Processing/Pre-filtration and Clarification
- Drinking Water Purification/Bacteria and Cyst Removal
- Fuels/Lubricating oils
- Filtration of fine particulate form Inks/Industrial Fluids/Brine Sea Water/Photographic Chemicals
- DI water

Features and benefits:

- All-Polypropylene support materials
- Less change-outs
- High contaminant holding capacity
- High flow rates and excellent filtration economics



Pressure and Flow Rate



Unit conversion: 1bar = 100KPa

Flow rate is for a 25.4cm (10inch) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP)

Materials of construction:

Filter medium: Glass Microfiber

Support/drainage: Polypropylene nonwoven

Cage/Core/End caps : Polypropylene

O-Rings: Silicone/Viton/EPDM/NBR

Specification:

Outside diameter: 68mm

Removal ratings: 0.2µm, 0.45µm, 1µm, 3µm, 5µm, 10µm, 20µm, 50µm

Lengths: 10", 20", 30", 40"

Maximum operating temperature: 1.0Bar@80°C

Maximum Forward Differential Pressure: 5.0Bar@25°C

Maximum Reverse Differential Pressure: 2.0Bar@25°C

Cartridge Ordering Information

Filter Material	Length(inches)	Micron Ratings	End Cap Type	Seal Material
CRGF: Glass Fiber Membrane	010=10" 020=20" 030=30" 040=40"	020=0.2µm	1=SOE 0=DOE 2=222/Flat 3=222/Fin 6=226/Fin 7=226/Flat	S=Silicon E=EPDM F=Vinton N=NBR
		045=0.45µm		
		100=1µm		
		300=3µm		
		500=5µm		
		1000=10µm		
		2000=20µm		
		5000=50µm		