Membrane Solutions

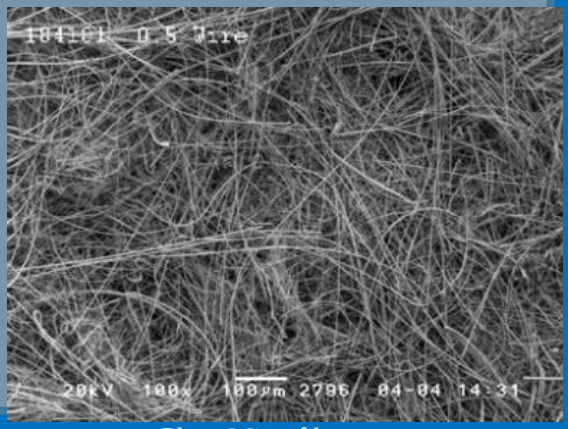
ProtecPure GF Cartridge Filter

Description

MS® ProtecPure GF Pleated Cartridge Filter uses the raw materials which comply with FDA 21 CFR requirements for indirect food additives. The three-dimensional structure of the microfiber filter media means that the filters have high dirt holding capacity. And the high porosity of filters media provided a exceptional flow rate compared to similarly rated filters. 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.

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



Glass Microfiber

Features and benefits:

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

Membrane Solutions, LLC;
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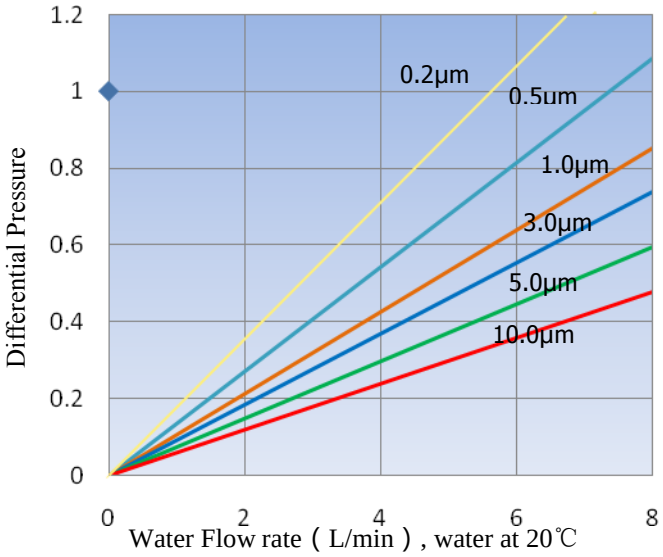
Pressure and Flow Rate



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℃

Maximum Forward Differential Pressure: 5.0Bar@25℃

Maximum Reverse Differential Pressure: 2.0Bar@25℃

Cartridge Ordering Information

Filter Material	Length(inches)	Micron Ratings	End Cap Type	Seal Material
CRGF: Glass Microfiber	005=5” 010=10” 020=20” 030=30” 040=40”	020=0.2μm 050=0. 5μm 100=1μm 300=3μm 500=5μm 1000=10μm 2000=20μm 5000=50μm	1=SOE 0=DOE 2=222/Flat 3=222/Fin 6=226/Fin 7=226/Flat	S=Silicon E=EPDM F=Vinton N=NBR

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