



Activated Carbon Fiber Pleated Filter Cartridge

Activated carbon fiber pleated filter cartridge is made of excellent activated carbon fiber and polypropylene components for high precision filtration. It has excellent ability to remove the odor, color and chlorine in liquid.

APPLICATIONS

- Remove the color of intermediates in pharmaceuticals industry
- Organic impurities, chlorine and heavy metal ions removal in bottled water industry
- Alcohol clarification
- Remove the color in the organic solvent

BENEFITS

- High dirt holding capacity and no carbon fiber release
- Excellent adsorptive capacity, high particles removal efficiency
- High chlorine taste and odor reduction
- Broad chemical compatibility, resistant to acids and bases
- No hazardous substances releasing

Outer Diameter

69mm(2.75")

Inner Diameter

33mm(1.30")

Filter Media

Activated Carbon Fiber (ACF)

Support Layers

Polypropylene

Inner core

Polypropylene

Outer Cage, End caps

Polypropylene

Removal Rating (μ m)

1 3 5

Length (")

10 20 30 40

O-rings / Gaskets

S = Silicone E = EPDM B = NBR

V = Viton F = E-FKM

Seal Method

Thermal Bonded, No Adhesives

Filtration Area(m²)

0.5 m² per 10"

Normal Operating Temperature

Up to 50 °C (122 °F)

Max. Operating Temperature

80 °C (176 °F) at P ≤ 1.0 bar (14psi)

Normal Flow direction

4.2 bar (60 psi) at 25 °C (77°F)

Reverse flow direction

2.1 bar (30 psi) at 25 °C (77°F)

PH Value compatibility

2-13

Sterilization

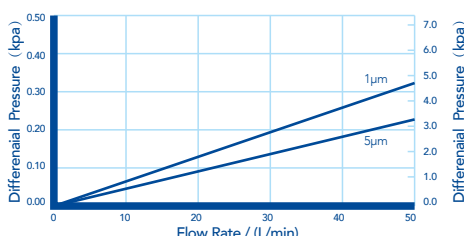
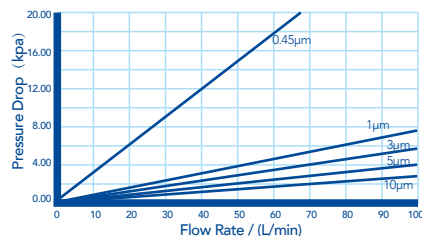
Flush with hot water at 82°C(180°F) for 30 minutes

Endotoxin

<0.25 EU/ml

Extractables

0.03g / 10"

GS Flow Characteristics

END CAP CONFIGURATION

ORDERING CODE

Example : HMACF-3-10-0-S-P

	Removal Rating	Length	End Cap Type	Seal Material	Core
HMACF	1 = 1 μ m 3 = 3 μ m 5 = 5 μ m	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS 1 = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton F = E-FKM	P = PP Core S = SUS304