

VF Series Polypropylene Cartridge PP4

Excellent filtering cartridge, outstanding efficiency

SERIES VFPP4 Pleated element of Great efficiency

Venefilter Inc., offers this filter constructed in polypropylene that retains particles with absolute efficiency. Available in a broad range of pore sizes, it is suitable for a wide range of applications. The pleated construction provides a high surface area to offer outstanding overall filtration economy.

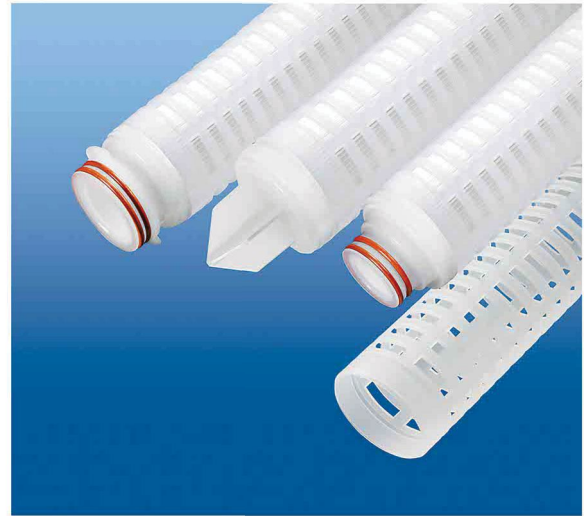
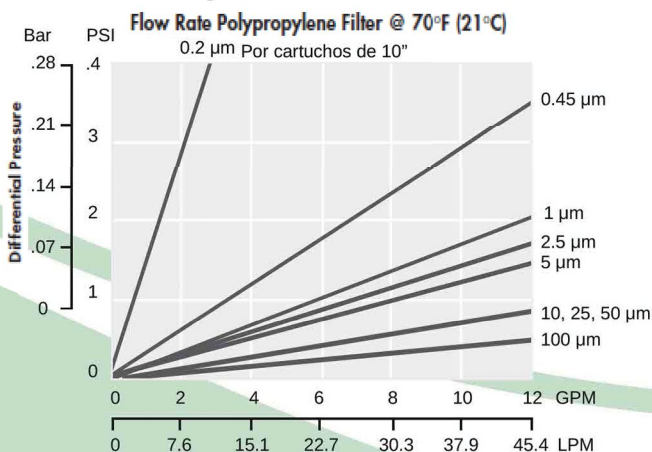
Features

- Micron ratings from 0.2 to 100 μm – Broad application range.
- Meets USP Class VI, biological test for plastics.
- Accepted for contact with food and beverages.
- Absolute Efficiency – Rated at 99.98% (Beta 5000).
- Competitive surface area – High flow rates, and long on-line service – Minimize maintenance cost.
- Fixed pore structure – Eliminates dirt unloading at maximum differential pressure.
- Polypropylene Construction – Inert to many process fluids.
- Various Gasket/O-Ring materials – Compatible with a variety of fluids.
- Manufactured in continuous lengths up to 40 inches.

Operating Conditions

Maximum differential pressure	75 Psid a 70 °F (5,2 bar a 21 °C)
	40 Psid a 176 °F (2,8 bar a 80 °C)
Maximum Operating Temperature	176 °F (80 °C)
Recommended changeout	35 Psid (2,4 bar)

Pressure drop



Applications

- Food & beverage.
- Reverse osmosis pre-filters.
- Aqueous solutions.
- Chemicals.
- Pharmaceuticals.
- Inks.

Design specifications

Media	Polypropylene
End caps/Core/Cage	Polypropylene
Outside diameter	2,7" (6,86 cm)
Inside diameter	1,1" (2,79 cm)

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Removal Efficiency

Beta Ratio Efficiency	Beta 5000 99,98%	Beta 100 99%	Beta 50 98%
0,2 microns	0,20	0,10	0,05
0,45 microns	0,45	0,30	0,20
1,0 microns	1,0	0,60	0,30
2,5 microns	2,5	2,0	1,5
5,0 microns	5,0	4,0	3,0
10,0 microns	10,0	8,0	7,0
25,0 microns	25,0	19,0	15,0
50,0 microns	45,0	35,0	28,0
100,0 microns	—	100,0	85,0

Part Number

VFPP4	2.5	10	DOE	N
Series	Microns	Nominal Length	End Configuration	Gasket/ Orings
VFPP4	0.2	5: 5"	DOE: Double Open End	B: Buna-N
	0.45	9.75: 9 ^{3/4} "	S3:222w/Fin end	E: EPDM
	1	10: 10"	S4:222w/Flat end	V: Viton
	2.5	20: 20"	S5:226w/Fin end	S: Silicone
	5	30: 30"	S6:226w/Flat end	T: Teflon
	10	40: 40"	SOE: Single open end, internal O-Ring	TG: Teflon Gasket
	25			
	50			
	100			

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CAT-VF-PP4-12