

VF Series Polypropylene Cartridge PP5

Great efficiency filtration and variety of applications

SERIES VFPP5 Pleated element of great efficiency

Venefilter Inc., develops this economical and efficient filter, which are disposable and can be used for a wide range of applications. The filter is constructed of pleated polypropylene filter media with high surface area that allows for greater system flow rate .

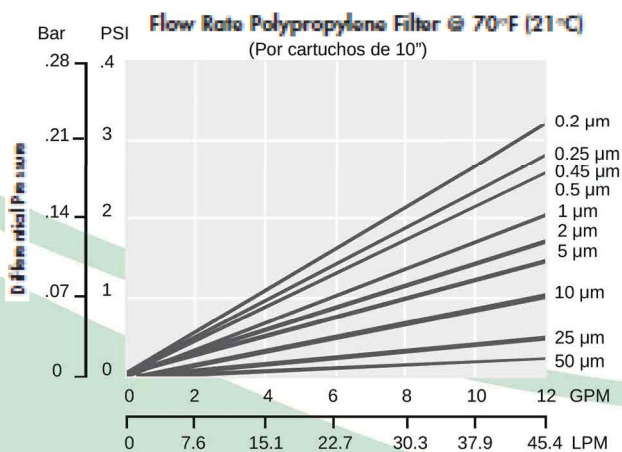
Features

- Micron ratings from 0.2 to 50 μm – Broad application range.
- High efficiency filtration, 90% nominal filtration (Beta 10).
- Meets USP Class VI, biological test for plastics.
- All construction materials are listed by the FDA.
- Fixed pore structures – Resists unloading of captured contaminant.
- Polypropylene Construction – Inert to many process fluids.
- Economically efficient filtration.
- Filtration area of 5.1 ft².
- Various Gasket/O-Ring materials – Compatible with a variety of fluids.
- Manufactured in continuous lengths up to 40 inches.

Operating Conditions

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

- Petrochemical industry.
- Aqueous solutions.
- Oils.
- Polymer Filtration
- Food & beverage.
- Process Water.

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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Beta Ratio Efficiency	Beta 50 98%	Beta 10 90%
0,2 microns	0,28	0,20
0,25 microns	0,35	0,25
0,45 microns	0,6	0,45
0,5 microns	0,7	0,5
1,0 microns	1,5	1,0
2,0 microns	2,7	2,0
5,0 microns	7,0	5,0
10,0 microns	12,0	10,0
25,0 microns	32,0	25,0
50,0 microns	70,0	50,0

VFPP5	2	20	S3	V
Series	Microns	Nominal Length	End Configuration	Gasket/ Orings
VFPP5	0.2	5: 5"	DOE: Double Open End	B: Buna-N
	0.25	9.75: 9 ^{3/4} "	S3:222w/Fin end	E: EPDM
	0.45	10: 10"	S4:222w/Flat end	V: Viton
	0.5	20: 20"	S5:226w/Fin end	S: Silicone
	1	30: 30"	S6:226w/Flat end	
	2	40: 40"	SOE: Single open end, internal O-Ring	TG: Teflon Gasket
	5			
	10			
	25			
	50			

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