

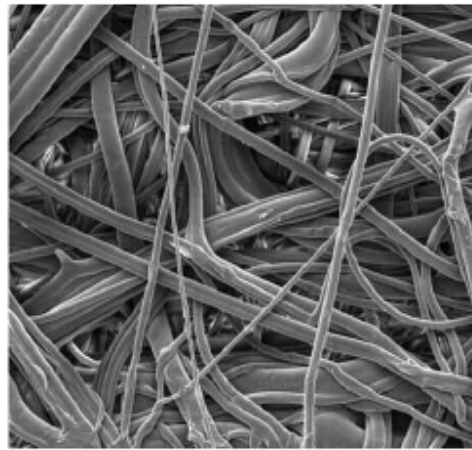


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VULCOSTAR CLEAR PF PCM Filter Cartridges

Economically Efficient Pleated Filter Cartridges

This cost effective, disposable filter element 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–Benefits

- Micron ratings from 0,2 to 50 µm – Broad application range
- Fixed pore structures – Resist unloading of captured contaminant
- 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 “

Product Specifications

Media:	Polypropylene
Inner Core, Cage, End Caps:	Polypropylene
Gaskets/O-Rings:	Silicone, Viton, EPDM, Buna-N, Teflon Encapsulated Viton (O-Rings only), Teflon (gasket only)
Micron Ratings:	0.2, 0.25, 0.45, 0.5, 1.0, 2.0, 5.0, 10, 25, 50 µm

Dimensions

	Nominal lengths						Outside Diameter	Inside Diameter
inch	5"	9.75"	10"	20"	30"	40"	2.7"	1.0"
cm	12.7	24.8	25.4	50.8	76.2	101.6	6.86	2.54

Operating Parameters

Maximum Operating Temperature:	176°F (80°C)
Maximum Differential Pressure:	75 psid @ 70°F (5.2 bar @ 21°C) 40 psid @ 176°F (2.8 bar @ 80°C)
Recommended change-out pressure:	35 psid (2.4 bar)





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Certifications

- **USP Class VI** - Meets USP Class VI Biological Test for Plastics.
- **FDA Listed Materials** - All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.
- **European Directive for Direct Food Contact** - European Regulations No 1935/2004 and European directive 82/711/EEC: Tested for migration behavior in direct food contact. Minimal rinse required for use. Data available upon request.

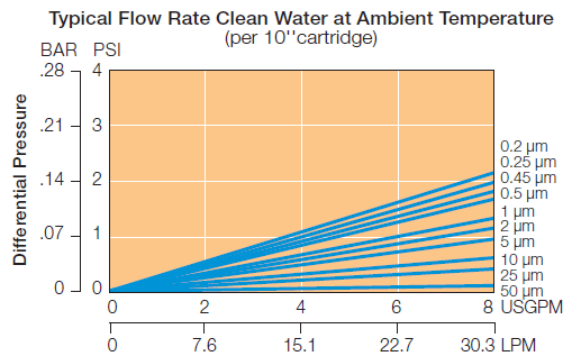
Order Information

Example

Retention Rating (µm)	Nominal Length (inches)	End configuration	Gasket / O-Ring
0.2	- 5	P Double Open End	S Silicone
0.45	- 9.75	P2 226/Flat Single Open End	B Buna-N
1.0	- 10	P3 222/Flat Single Open End	E EPDM
2.5	- 20	P7 226/Fin Single Open End	V Viton
10.0	- 30	P8 222/Fin Single Open End	T Teflon endcap. Viton(O-Rings only)
25.0	- 40	AM Single open end, internal O-Ring	T Teflon (gasket only)
50.0		NPC Double open end, internal O-Ring	

Removal efficiency

Beta Ratio	Beta 50	Beta 10
Efficiency	98 %	90 %
0.2 µm	0,28	0,20
0.25 µm	0,35	0,25
0.45 µm	0,60	0,45
0.50 µm	0,70	0,50
1 µm	1,50	1,00
2 µm	2,70	2,00
5 µm	7,00	5,00
10 µm	12,00	10,00
25 µm	32,00	25,00
50 µm	70,00	50,00



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

The micron ratings shown at various efficiency and beta ratio value levels were determined through laboratory testing, and can be used as a guide for selecting cartridges and estimating their performance. Under actual field conditions, results may vary somewhat from the values shown due to the variability of filtration parameters. Testing was conducted using the single-pass test method, water at 3 gpm/10" cartridge. Contaminant's included latex beads, coarse and fine test dust. Removal efficiencies were determined using dual laser source particle counters.

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Vulcascot as to the effects of such use or the results to be obtained. Vulcascot assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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