

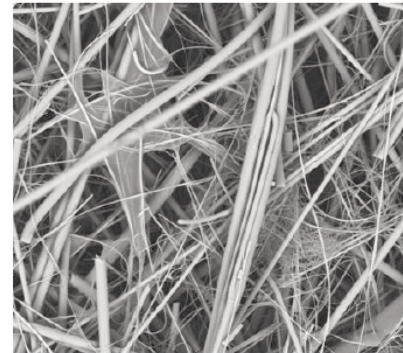
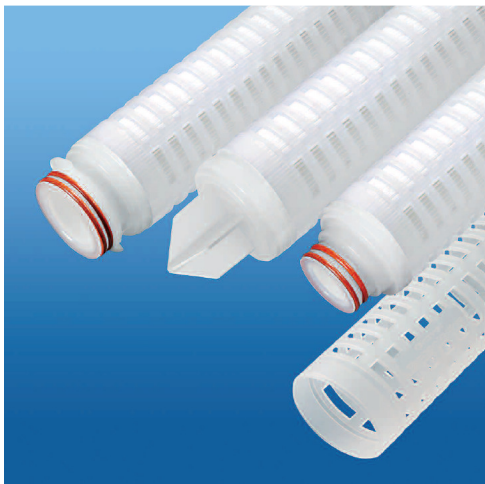


# VULCASCOT

## VULCOSTAR CLEAR PF GCF Filter Cartridges

### Glass Fiber Cartridges

This high efficiency, disposable filter element is suited for a wide range of applications. The filter is constructed of pleated Borosilicate Microfiberglass filter media with greater surface area for high system flow rate.



### Features–Benefits

- Micron ratings from 0,2 – 30  $\mu\text{m}$  - Broad application range
- Uniform pore size – High removal efficiency
- High surface area – High flow capability and dirt holding capacity
- Long service life - Minimizes maintenance costs
- Fixed pore construction – Eliminates dirt unloading at maximum differential pressure

### Product Specifications

Media:	Borosilicate Microfiberglass with Acrylic Binder
Core, Cage, End Caps:	Polypropylene
Support layers:	Polyester
Gaskets/O-Rings:	Buna-N, EPDM, Silicone, Teflon encapsulated Viton (O-Rings only)
Micron Ratings:	0.20, 0.45, 1.0*, 3.0, 5, 10, 30 $\mu\text{m}$ * 1 micron grade features all FDA listed materials of construction

### Dimensions

Nominal lengths:	5", 9.75", 10", 20", 30", 40" (12.7, 24.8, 25.4, 50.8, 76.2, 101.6 cm)
Outside Diameter:	2.7" (6.9 cm)
Inside Diameter:	1.0" (2.54 cm)

### Operating Parameters

Maximum Operating Temperature:	176°F (80°C)
Maximum Differential Pressure:	80 psid @ 70°F (5.5 bar @ 21°C) 40 psid @ 150°F (2.8 bar @ 65°C)
Recommended change-out pressure:	35 psid (2.4 bar)





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## Typical Applications

- Alcohol, distilled spirits
- Wine prefiltration
- Chemicals
- Oil & Gas
- Coatings
- Inks

## Order Information

### Example

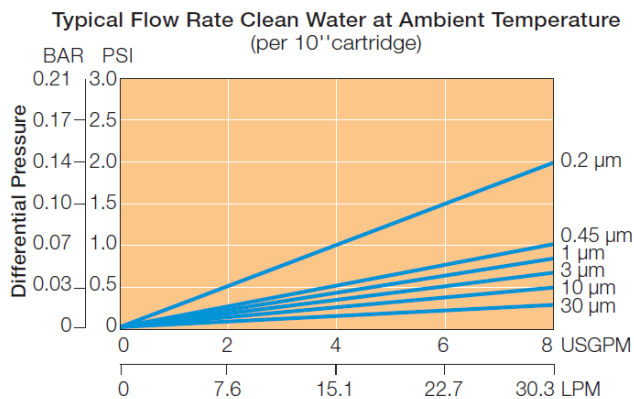
PF GCF	5	- 10	P8	S	-I
	Retention Rating (µm)	Nominal Length (inches)	End configuration	Gasket / O-Ring	Insert
	0.2	- 5	P Double Open End	S Silicone	-I endcap insert for steaming
	0.45	- 9.75	P2 226/Flat Single Open End	B Buna-N	
	1.0	- 10	P3 222/Flat Single Open End	E EPDM	
	3.0	- 20	P7 226/Fin Single Open End	V Viton	
	10.0	- 30	P8 222/Fin Single Open End	T Teflon endcap.	
	30.0	- 40	AM Single open end, internal O-Ring	Viton(O-Rings only)	
			NPC Double open end, internal O-Ring		

## Removal efficiency

Beta Ratio	β - 10	β - 20	β - 100	β - 1000	β - 5000
Efficiency	90 %	95 %	99 %	99,9 %	99,98 %
0,2 micron	0,2	0,3	0,6	0,8	1,0
0,45 micron	0,45	0,6	0,8	1,8	2,0
1 micron	1,0	1,3	2,0	3,5	4,0
3 micron	3,0	4,0	5,5	9,0	10,0
10 micron	10,0	12,0	15,0	17,0	18,0
30 micron	30,0	35,0	38,0	42,0	45,0

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 2,5 gpm/10" cartridge. Contaminant's included latex beads, coarse and fine test dust. Removal efficiencies were determined using dual laser source particle counters.



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

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