

VF Series Melt Blown Cartridges MB1

Efficient filtration for demanding applications

SERIES VFMB1 Most demanding applications

Venefilter Inc., develops the Melt Blown depth filter of absolute filtration with 99.9% efficiency at a specific micron for the most demanding applications. By utilizing ultrafine fibers and controlled thermal bonding, the VFMB1 filter retains the captured contaminant even at higher differential pressures.

Features

- Absolute retention ratings from 0.5 to 75 microns.
- Multi-zone melt blown depth filter with a graded pore structure for maximum dirt holding capacity.
- Thermally bonded fibers for high void volume and long on-stream life.
- Lot traceable filters come with certificate of conformance.
- 100% pure virgin polypropylene.
- All materials are listed by the FDA.
- All components comply with the criteria USP Class VI and are safe for use in pharmaceutical applications.
- Molded center core for higher temperature and pressure capability.
- Free of surfactants, binders and adhesives.

Operating Conditions

Maximum differential pressure	150 Psid a 68 °F (10,3 bar a 20 °C)
	90 Psid a 150 °F (6,2 bar a 66 °C)
	35 Psid a 176 °F (2,4 bar a 80 °C)
Recommended changeout	35 Psid (2,4 bar)



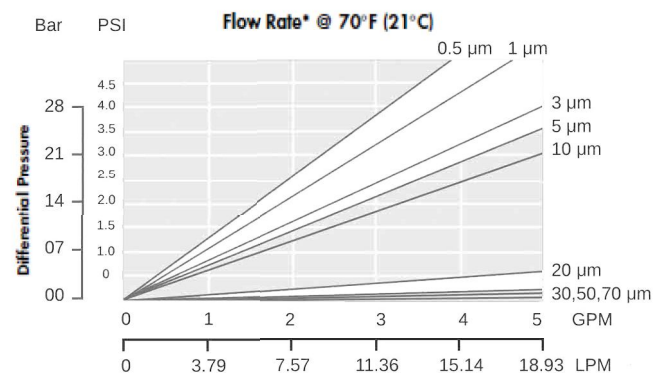
Applications

- Chemicals
- Paint/Inks
- Water
- Plating
- Pharmaceuticals
- Food and beverages
- Microelectronics
- Cosmetics

Design specifications

Media	Polypropylene
End caps/ center core	Polypropylene
Outside diameter	2,5" (6,35 cm)
Inside diameter	1,0" (2,54 cm)

Pressure drop



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Removal Efficiency

Beta Ratio Micron Rating	Beta 1000 99,9%	Beta 100 99%	Beta 10 90%
0,5 micron	0,6	0,5	0,4
1,0 micron	1,0	0,8	0,5
3,0 micron	3,0	2,3	1,4
5,0 micron	5,0	4,0	2,7
10,0 micron	10,0	7,0	4,0
20,0 micron	20,0	15,0	12,0
30,0 micron	30,0	20,0	14,0
50,0 micron	50,0	34,0	25,0
70,0 micron	70,0	50,0	39,0

Part Number

VFMB1	0.5	30	N	N
Series	Microns	Nominal Length	End Configuration	Gasket
VFMB1	0.5	4: 4"	DOE: Double Open End (Hard end caps)	B: Buna-N
	1	5: 5"	DOEC: Double Open End, with core	E: EPDM
	3	9.75: 9 ^{3/4} "	S3:222w/Fin end	V: Viton
	5	10: 10"	S4:222w/Flat end	S: Silicone
	10	19.5: 19 ^{1/2} "	S5:226w/Fin end	T: Teflon
	20	20: 20"	S6:226w/Flat end	N: Nonc
	30	29.25: 29 ^{1/4} "	S8:SOE w/spring	
	50	30: 30"	EXP: Extended core	
	70	39: 39"	N: None (Cut Ends)	
	75	40: 40"	DBG: Direct Bond Santoprene Gaskets	
			SOE: Single open end, internal O-Ring	

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