

ABSOLUTE PRECISION MELT-BLOWN CARTRIDGE

FBM series



Feature-Tec's FBM polypropylene melt-blown filter cartridges feature a two-layer construction, resulting in an asymmetric structure. This special design provides a high dirt holding capacity, longer life-time and lower initial differential pressure.

Applications

- E-coats
- Coolants
- Solutions with lower viscosity
- CMP slurries
- Purified water pre-filtration
- Recycled water pre-filtration
- Plant cooling water (PCW) in semiconductor industry
- Water treatment
- Industrial paints and many more

Features and benefits

- Excellent chemical compatibility
- No binders or additives
- Made of 100% high purity polypropylene melt-blown fibers
- Removal ratings up to 99.9%
- Special two-layer structure provides low differential pressure and excellent dirt holding capacity

- Available in a wide variety of adapter/end cap configurations

Filter specifications

Material

Polypropylene melt-blown

Inner core

Polypropylene

O-rings / Gaskets

Buna N, Silicone, EPDM, Viton

Retention ratings

0.5, 1, 3, 5, 10, 25, 50, 75, 100 µm

Dimensions / Parameters

Nominal lengths

10", 20", 30", 40"
(254, 508, 762, 1016 mm)

Outside diameter

2,48" (63 mm)

Inside diameter

1.1" (28 mm)

Maximum operating temperature

93°C (200°F) with core

Max. differential pressures

1.18 bar @ 80 °C (17.1 psid @ 176 °F)

2.06 bar @ 60 °C (29.9 psid @ 140 °F)

4.12 bar @ 21 °C (59.7 psid @ 70 °F)

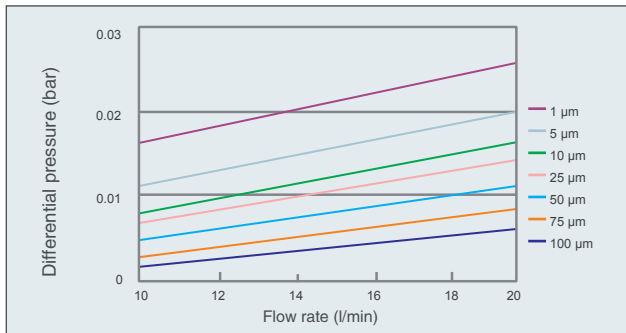
Recommended change-out

pressure drop for disposal

3 bar @ 21 °C (43.5 psid @ 70 °F)

1 bar @ 80 °C (14.5 psid @ 176 °F)

FBM Flow Rate (10" length)*



* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

FBM Filter Efficiency

Removal ratings (µm)	Efficiency (%)							
	0.5	1	5	10	25	50	75	100
D	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
1	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
5	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
10	/	63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
25	/	/	69.9	92.8	>99.9	>99.9	>99.9	>99.9
50	/	/	/	58.1	74.9	>99.9	>99.9	>99.9
75	/	/	/	/	63.9	90.5	>99.9	>99.9
100	/	/	/	/	60.1	87.4	>99.9	>99.9

Ordering information

Nominal lengths

10: 10" (254 mm)
20: 20" (508 mm)
30: 30" (762 mm)
40: 40" (1016 mm)

O-rings / Gaskets

B: Buna N
S: Silicone
E: EPDM
V: Viton
U: None

Retention ratings

05: 0.5 µm 25: 25 µm
1: 1 µm 50: 50 µm
3: 3 µm 75: 75 µm
5: 5 µm 100: 100 µm
10: 10 µm

