

WFMB Melt-blow cartridge



Depth filter with 4 filter layers made entirely of polypropylene

The WFMB melt-blow cartridge is manufactured in the melt-blow process where-by four different spray nozzles are used to combine fine and coarse continuous fibers to form a multilayer structure. The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside. Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers. This construction ensures a long service life, high dirt-retention capacity and low differential pressures. The WFMB melt-blow cartridge can be delivered optionally with open ends on both sides or with the standard adapter constructions.

Technical data

Filter medium:	100 % polypropylene
Core support:	-
Adapter and end cap:	Polypropylene
Filter ration:	0.5 – 100 µm nominal
Temperature:	Max. 80 °C
Differential pressure:	Max. 3,2 bar at 20 °C Max. 1,8 bar at 60 °C
	Filter change recommended at 1,5 bar
Dimensions:	Internal diameter 28 mm External diameter standard version: 63 mm Big version: 110 mm Lengths 4 7/8" – 40"

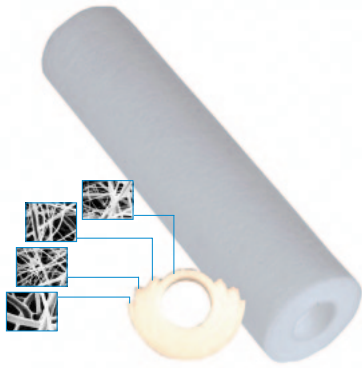
Applications

- Fine filters for cooling circuits
- Pre-filters for RO+DI water treatment
- Acid and lye filtration in the electronic industry
- Photo chemicals
- Rinsing baths in semi purification plants
- Light viscose fluids
- Fine filters for vegetable oil

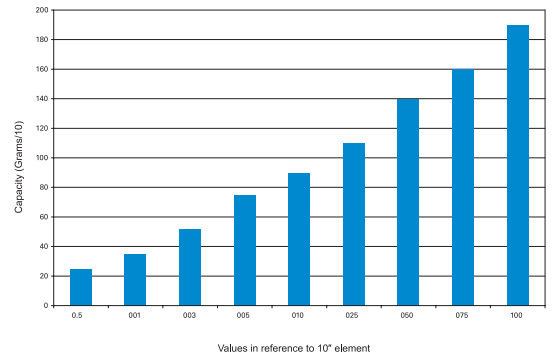
Features and Benefits

- 4-layered construction from coarse to fine
- 100 % polypropylene
- Contains no binding agent or adhesive
- Melt-blow continuous fiber, thermally bound
- Long service life, high dirt-retention capacity
- Low differential pressure
- DOE or with Adapter Code 0, Code 5, Code 7, Code 8
- Big version with outer Ø 110 mm
- NSF42 and FDA CFR 21 Certificate
- Food Contact Declaration 2008/39/EC (2002/72/EC)
- REACH-Declaration

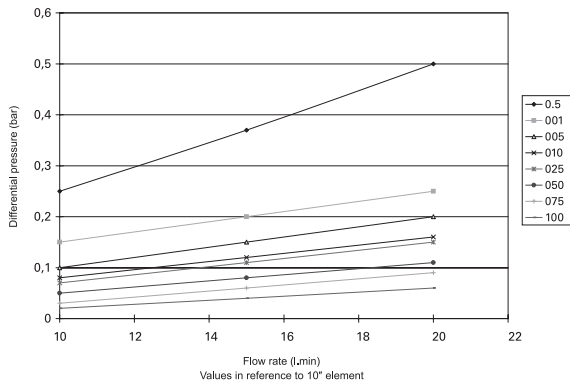
Assembly



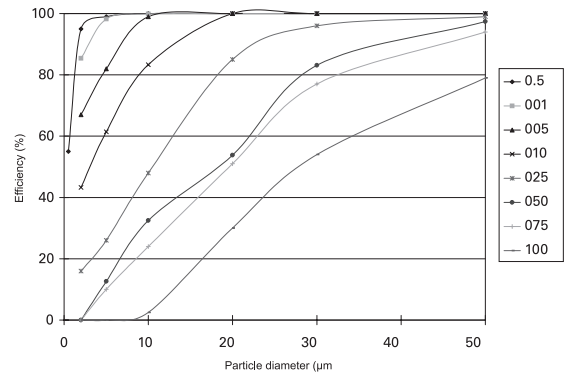
Dirt retention with testing dust (coarse)



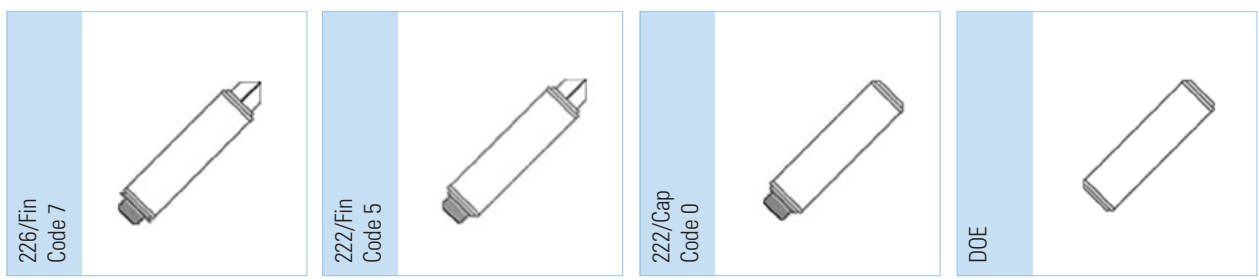
Flow rate



Efficiency (%)



Adapter Configuration



Order information

WFMB	-005	-20	-E	-0
WFMB Melt-blow cartridge	Filter rating in µm	Length in inch	Sealing compound	Adapter
	0.5: 0,5 µm	4 7/8: 124 mm	-: DOE without seals	-: DOE without adapter
	001: 1 µm	5: 127 mm	E: EPDM	-0: 222/Cap
	003: 3 µm	9 3/4: 248 mm	B: NBR	-5: 222/Fin
	005: 5 µm	10: 254 mm	S: Silicone	-7: 226/Fin
	010: 10 µm	19 1/2: 496 mm	V: Viton	-B: 213/Cap
	025: 25 µm	20: 508 mm	F: Viton-FEP-encapsulated	
	050: 50 µm	29 1/4: 744 mm	- Big: DOE without seals	
	075: 75 µm	30: 762 mm	With outer Ø 110mm	
	100: 100 µm	39: 992 mm		
	40: 1016 mm			