

Depth filter, absolute



Absolute depth filter with perforated surface made entirely of polypropylene

The WFMBA Depth filter with absolute filtration rate is produced in the melt-blow process. The perforated surface offers an enlarged filter surface area as well as a better binding for the continuous fibers on the filter surface. The filter is structured with a consistent pore-structure which decreases towards the middle, allowing a construction without a core support in the centre. The WFMBA melt-blow cartridge can be delivered optionally with open ends on both sides or with standard adapter constructions. The perforated surface area with subsequent depth filter structure ensures a long service life, high dirt-retention capacity and low differential pressures.

WFMBA Melt-blow cartridge, absolute

Technical data

Filter medium:	100 % Polypropylene
Core support:	–
Adapter:	Polypropylene
Filter ration:	1 – 100 µm, absolute
Temperature:	Max. 80 °C
Differential pressure:	Max. 4.2 bar at 20 °C Max. 1.2 bar at 80 °C Filter change recommended at 2.0 bar
Dimensions:	Internal diameter 28 mm External diameter 63 mm Lengths 5" – 40"

Applications

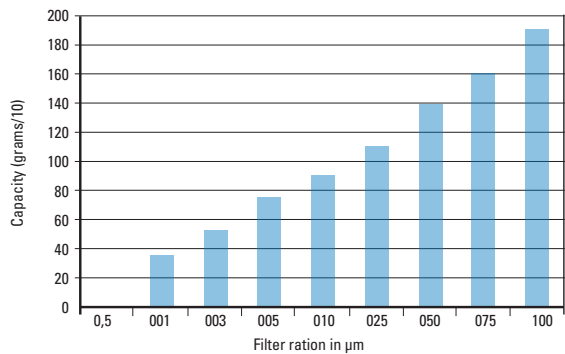
- Ultrapure water for the electronic industry
- Drinking water for food and beverages
- Pre- and post-filters in water-treatment plants
- Filtration of light viscose clear varnishes
- Rinsing baths in semi purification plants
- Filtration of inks for ink-jet applications

Features and Benefits

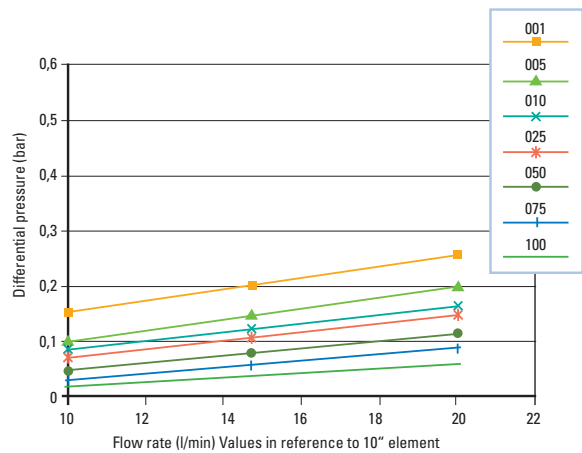
- Enlarged surface area due to perforation
- Absolute filtration rate
- Depth filter, finer structured towards the inside
- Melt-blow continuous fiber, thermic-bound
- Does not contain binding agents or adhesives
- Long service life, high dirt-hold capacity
- Low differential pressure, high flow rate
- NSF42 and FDA CFR21 Certificate
- Food Contact Declaration
- REACH-Declaration
- RoHS-Declaration

Dirt-retention with testing dust (coarse)

Values in reference to 10" element



Flow rate



Efficiency (%)

Filter cartridge	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
WFMBA001	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBA003	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBA005	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBA010		63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBA025			69.9	92.8	>99.9	>99.9	>99.9	>99.9
WFMBA050				58.1	74.9	>99.9	>99.9	>99.9
WFMBA075					63.9	90.5	>99.9	>99.9
WFMBA100					60.1	87.4	92.8	>99.9

Adapter Configurations



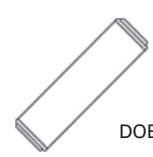
226/Fin
Code 7



222/Fin
Code 5



222/Cap
Code 0



DOE

Order information

WFMBA-	-005	-20	-E	-0	
WFMBA Melt-blow cartridge	Filter rating in µm	Length in inch / mm		Sealing compound	Adapter
	001: 1 µm	4 7/8"	124 mm	A: PE-Flat seal (gasket)	-F : DOE
	003: 3 µm	5"	127 mm	E: EPDM	-0: 222/Cap
	005: 5 µm	9¾"	248 mm	B: NBR	-5: 222/Fin
	010: 10 µm	10"	254 mm	S: Silicone	-7: 226/Fin
	025: 25 µm	19½"	496 mm	V: Viton	-B: 213/Cap
	050: 50 µm	20"	508 mm	F: Viton-FEP-encapsulated	
	075: 75 µm	29¼"	744 mm		
	100: 100 µm	30"	762 mm		
		39"	992 mm		
		40"	1016 mm		