

WMBA Melt-blow cartridge, absolute



Absolute depth filter with perforated surface made entirely of polypropylene

The WMBA 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 WMBA 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.

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"

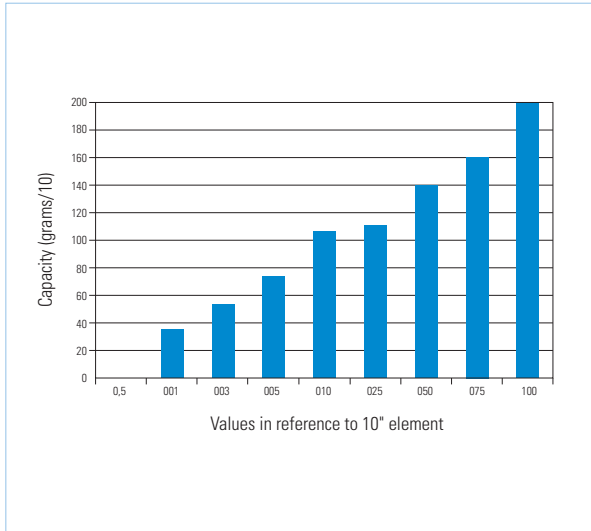
Applications

- 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

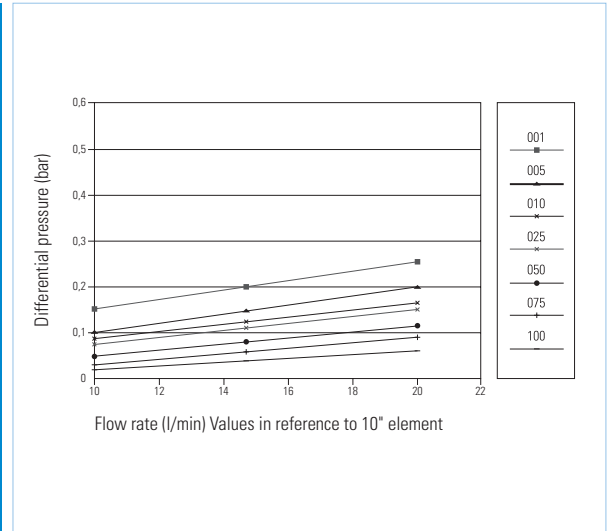
Features and Benefits

- 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 2008/39/EC (2002/72/EC)
- REACH-Declaration

Dirt-retention with testing dust (coarse)



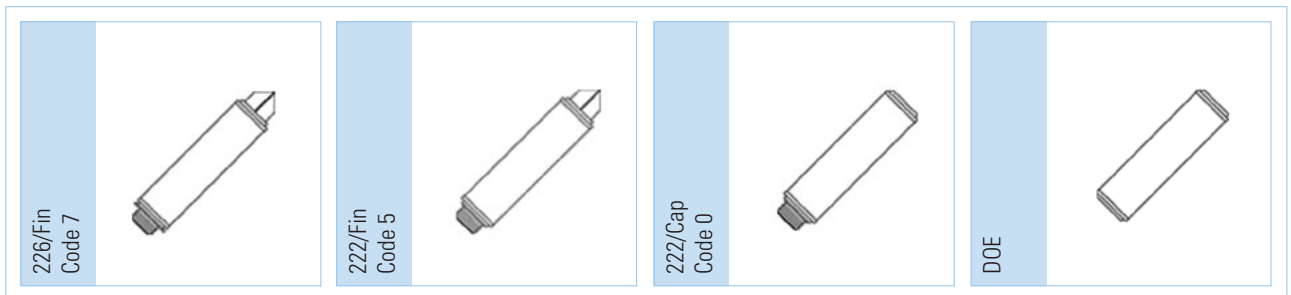
Flow rate



Efficiency (%)

Kerze	1 µm	3 µm	5 µm	10 µm	25 µm	50 µm	75 µm	100 µm
WFMBAA001	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBAA003	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBAA005	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBAA010		63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
WFMBAA025			69.9	92.8	>99.9	>99.9	>99.9	>99.9
WFMBAA050				58.1	74.9	>99.9	>99.9	>99.9
WFMBAA075					63.9	90.5	>99.9	>99.9
WFMBAA100					60.1	87.4	92.8	>99.9

Adapter Configurations



Order information

WFMBAA-	-005	-20	-E	-0
	Filter rating in µm	Length in inch	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	9 3/4: 248 mm	B: NBR	-5: 222/Fin
	010: 10 µm	10: 254 mm	S: Silicone	-7: 226/Fin
	025: 25 µm	19 1/2: 496 mm	V: Viton	-B: 213/Cap
	050: 50 µm	20: 508 mm	F: Viton-FEP-encapsulated	
	075: 75 µm	29 1/4: 744 mm		
	100: 100 µm	30: 762 mm		
		39: 992 mm		
		40: 1016 mm		