







ABSDEP MA™

Melt-blown Depth Filters / Absolute Ratings



INDUSTRIES & APPLICATIONS

-  **Food & Beverage** : Bottle water, Beers, Wines, Syrups, Soft drinks
-  **Pharmaceuticals** : Membrane pre-filtration
-  **Electronics** : Process chemicals, Plating solutions
-  **Chemicals** : Acids, Bases, Solvents
-  **Cosmetics** : Alcohol, Creams, Oils
-  **Coats** : Coating solutions, Paints, Inks

ABSDEP MA™ are absolute rated melt-blown depth filters for a wide range of fluids like water, acids, bases, solvents, inks, slurry, foods, beverages and biopharmaceutical products.

ABSDEP MA™ are all polypropylene filters that has a continuously graded pore structure, which has a coarse upstream part and fine downstream part in fiber diameter and pore size. The pore structure provides reliable and consistent depth filtration. In Particular, it provides exceptional filter life at both high viscosity and high contaminated fluid application.

FEATURES & BENEFITS

- Graded density construction provides high dirt holding capacity
- High capacity reduces processing time and maintenance cost
- All polypropylene construction provides excellent chemical compatibility and very low level of extractables
- Available in a wide range of end styles and micron ratings
- No surfactants or binders are present to interrupt product quality
- All materials of construction are FDA listed and conform to the relevant requirements of 21 CFR 177 and USP Class VI-121°C plastics VI-121°C plastics

TECHNICAL DATA

Nominal Dimensions

- Cartridge 68Ø
- Length : 250, 500, 750, 1000 mm
- Inner Diameter : 30 mm
- Outer Diameter : 62, 65mm

CAP I

- Length : 143, 216 mm
- Outer Diameter : 71, 73 mm

CAP II

- Length : 203, 212 mm
- Outer Diameter : 97 mm

CAP III

- Length : 292, 544 mm
- Outer Diameter : 71, 73 mm

Capsule series from CAP I to CAP III



* For details, see the Appendix II – Capsule Filter Types

Materials of Construction

- Filtration Media Polypropylene
- Inner Core Polypropylene
- Outer Cage Polypropylene
- End Caps Polypropylene
- Shell Polypropylene
- O-rings / Gaskets Silicone, EPDM, Viton, TEV Foamed Polyethylene

Max. Operating Temperature

- Cartridge : 80°C (176°F)
- Capsules : 60°C (140°F)

Max. Operating Forward Differential Pressure

- 4 bard (58.0 psid) at 20 °C
- 3 bard (43.5 psid) at 40 °C
- 2 bard (29.0 psid) at 60 °C
- 1 bard (14.5 psid) at 80 °C

Recommended Change Out Differential Pressure

- 2 bard (29.0 psid)

Micron Ratings

- 0.5, 0.7, 1, 2, 3, 5, 7, 10, 20 µm
- 99.98% (β-Ratio 5000) in accordance with modified ASTM F-795-88
- (Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

Food Contact Compliance

All materials of construction are FDA listed and conform to the relevant requirements of 21 CFR 177

Biological Safety

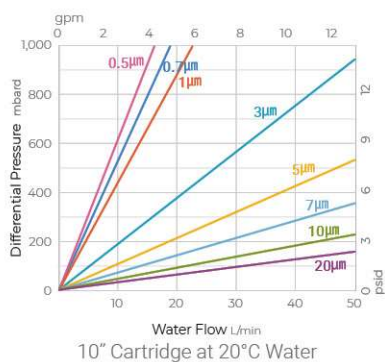
All materials of construction are conform to the relevant requirements of USP <88> Class VI-121°C, plastics

Particle Releasing

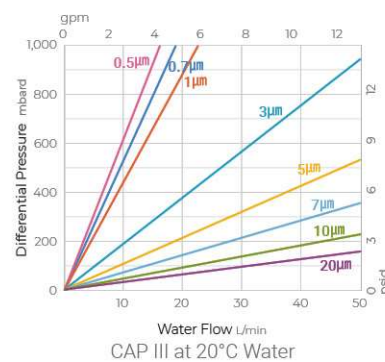
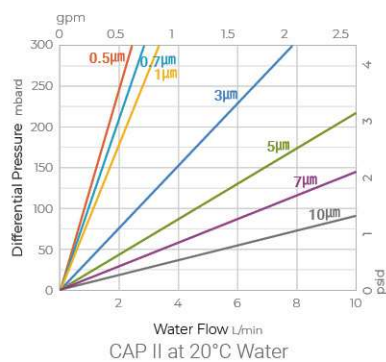
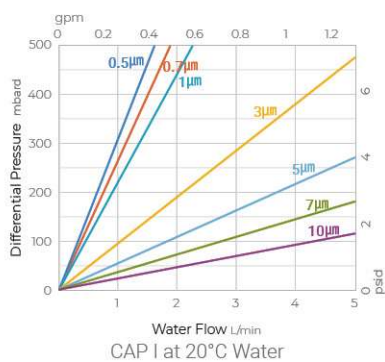
Meet the requirements of USP<788> Particulate matter (≤ 25particles/ml at 10um, ≤ 3particles/ml at 25um)

TYPICAL CLEAN WATER FLOW

CARTRIDGE



CAP



ABSFIL

ORDERING INFORMATION

CARTRIDGES

① DMA	② 001	③ C1	P	④ S	⑤ 10
MICRON RATING		END STYLE		SEALS	LENGTH
P50 : 0.5µm P70 : 0.7µm 001 : 1µm 003 : 3µm 005 : 5µm 007 : 7µm 010 : 10µm 020 : 20µm		C1 : DOE C2 : 226Lock/FLAT C3 : 222/FLAT C7 : 226Lock/FIN C8 : 222/FIN		P : Foamed PE S : Silicone E : EPDM V : Viton F : TEV	10 : 250mm 20 : 500mm 30 : 750mm 40 : 1,000mm 1E : 254mm 2E : 508mm 3E : 762mm 4E : 1,016mm

CAPSULE SERIES

① C1	② DMA	③ 001	④ S6	P	⑤ S	⑥ 1S																																												
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