

ABSDEP MWTM

Melt-blown Depth Filters / Absolute Ratings



INDUSTRIES & APPLICATIONS



Food & Beverage: Bottle water, Beers, Wines, Syrups, Soft drinks



Pharmaceuticals:

Membrane pre-filtration



Electronics : Process chemicals, CMP slurries, MLCC slurries



Chemicals: Acids, Bases, Solvents



Cosmetics: Alcohol, Creams, Olis



Coats: Coating solutions, Paints, Inks



Battery: Battery slurries

ABSDEP MW[™] is an absolute rated meltblown depth filters designed for filtering high viscosity fluids and high contaminant fluids.

ABSDEP MWTM is composed of melt-blown nonwovens with various fiber diameters and pore sizes. The filter has optimized to have a continuously graded density, which has a coarse upstream part and fine downstream part. The construction provides the ideal filtration performance for high viscosity fluids and fine slurry dispersion applications with exceptional filter service life and high particle removal efficiency.

FEATURES & BENEFITS

- Graded density construction provides high dirt holding capacity, reducing process time and maintenance cost
- Cost-effective to reduce expenses
- All polypropylene construction provides excellent chemical compatibility
- No surfactants or binders are present to interrupt product quality
- Available in a wide range of end styles and micron ratings
- 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

CAPI

• **Length**: 143, 216 mm • **Outer Diameter**: 71, 73 mm

CAP II

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

CAPIII

· 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

 $0.5, 0.7, 1, 2, 3, 5, 7, 10, 20 \, \mu m$

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

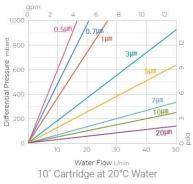
Meet the requirements of USP<788> Particulate matter (≤ 25particles/ml at 10um, ≤ 3particles/ml at 25um)

www.absfil.com 25

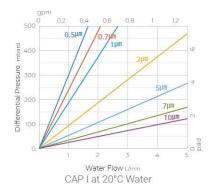


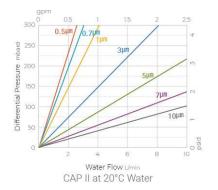
TYPICAL CLEAN WATER FLOW

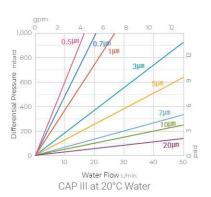
CARTRIDGE



CAP









ORDERING INFORMATION

0	0			3	_	0			0
OMW -	001			C1	P	S			10
	MICRON RATIN	IG	Е	ND STYLE		SEAI	LS	L	ENGTH
	P50 : 0.5μm		C1:	DOE		P: Foam	ned PE	10	: 250mm
	P70: О.7µm 001: 1µm 003: Зµm 005: 5µm 007: 7µm 010: 10µm		C2: 226Lock/FLAT C3: 222/FLAT C7: 226Lock/FIN C8: 222/FIN			S:Silicone E:EPDM V:Viton F:TEV		20:500mm 30:750mm 40:1,000mm 1E:254mm 2E:508mm 3E:762mm	
	020 :20μm							4E	: 1,016mm
APSULE SERIE O C1	2	③ O1 -		0 S6			р	6 S	© 1S
0	2						Р		
0 C1	2	01 -	CODE	S6		Vent / Drain	P	S	
C1	2	01 -	CODE S6	S6 END STYLE	2.7	Vent / Drain /8" Swagelok	P	S SEALS	
C1 FILTER TYPE C1: CAP I	2	01 -		S6 END STYLE In/Out Connection	2.7		P	SEALS X:NA	
C1 FILTER TYPE C1: CAP I C2: CAP II	2	01 -	S6	S6 END STYLE In/Out Connection 1/4" Swagelok	1		P	SEALS X: NA S: Silicone E: EPDM V: Viton	
C1 FILTER TYPE C1: CAP I C2: CAP II	2	O1 - TYPE	S6 N6	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT	1	/8" Swagelok	P	SEALS X:NA S:Silicone E:EPDM	
C1 FILTER TYPE C1: CAP I C2: CAP II	2	O1 - TYPE	S6 N6 F3	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek	1	/8" Swagelok	P	SEALS X: NA S: Silicone E: EPDM V: Viton	
C1 FILTER TYPE C1: CAP I C2: CAP II C3: CAP III	DMW - 0	O1 - TYPE	S6 N6 F3 F9	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek	1,	/8" Swagelok /8" NPT /8" Luer	P	SEALS X: NA S: Silicone E: EPDM V: Viton	
C1 FILTER TYPE C1: CAP I C2: CAP II	DMW - 0	O1 - TYPE	S6 N6 F3 F9 P6	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek 1/4" Super Pillar	1 1 1 1 N	./8" Swagelok ./8" NPT ./8" Luer	P	SEALS X: NA S: Silicone E: EPDM V: Viton	
C1 FILTER TYPE C1: CAP I C2: CAP II C3: CAP III MICRON RATING P50: 0.5µm	DMW - 0	O1 - TYPE	S6 N6 F3 F9 P6	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek 1/4" Super Pillar CL 3/8" Flaretek 1.5" Ferrule	1. 1. 1. 1. N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	./8" Swagelok ./8" NPT ./8" Luer ./4" Hose Barb	P	SEALS X: NA S: Silicone E: EPDM V: Viton	
C1 FILTER TYPE C1: CAP I C2: CAP II C3: CAP III MICRON RATING P50: 0.5µm P70: 0.7µm	DMW - 0	TYPE CAP 1 CAP 2	S6 N6 F3 F9 P6 CL	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek 1/4" Super Pillar CL 3/8" Flaretek 1.5" Ferrule One Touch Quick	1. 1. 1. 1. N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	./8" Swagelok ./8" NPT ./8" Luer	P	S SEALS X:NA S:Silicone E:EPDM V:Viton F:TEV	
C1 FILTER TYPE C1 : CAP C2 : CAP C3 : CAP MICRON RATING P50 : 0.5μm P70 : 0.7μm 001 : 1μm	DMW - 0	O1 - TYPE	S6 N6 F3 F9 P6 CL F9	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek 1/4" Super Pillar CL 3/8" Flaretek 1.5" Ferrule	1 1 N N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	./8" Swagelok ./8" NPT ./8" Luer ./4" Hose Barb	P	S SEALS X: NA S: Silicone E: EPDM V: Viton F: TEV	LENGTH
C1 FILTER TYPE C1: CAP I C2: CAP II C3: CAP III MICRON RATING P50: 0.5µm P70: 0.7µm	DMW - 0	TYPE CAP 1 CAP 2	S6 N6 F3 F9 P6 CL F9 FE	END STYLE In/Out Connection 1/4" Swagelok 1/4" NPT 1/8" Flaretek 3/8" Flaretek 1/4" Super Pillar CL 3/8" Flaretek 1.5" Ferrule One Touch Quick	1 1 N N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/8" Swagelok /8" NPT /8" Luer NA /4" Hose Barb /4" NPT	P	S SEALS X: NA S: Silicone E: EPDM V: Viton F: TEV	15



www.absfil.com 27