

SP-FINE

SBP Type

Major Applications

Color resist, Ink

CMP slurry

Others high-concentration dispersion, paste

Features

- Laminated polypropylene microfibers with high porosity
- 100% flushed before shipment
- 100% Polypropylene
- No use of binder or surfactant

Advantages

- Fine filtration is available for various slurries.
- High particle holding capacity and low differential pressure
- Reduction of fiber release
- Wide range of fluid compatibility
- Low extractables risk

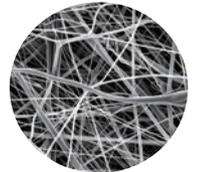
Structure

Conventional polypropylene fiber filter media

Ultra-fine polypropylene fiber filter media (SBP-010)



Low porosity (Consolidation process)



High porosity

Specifications

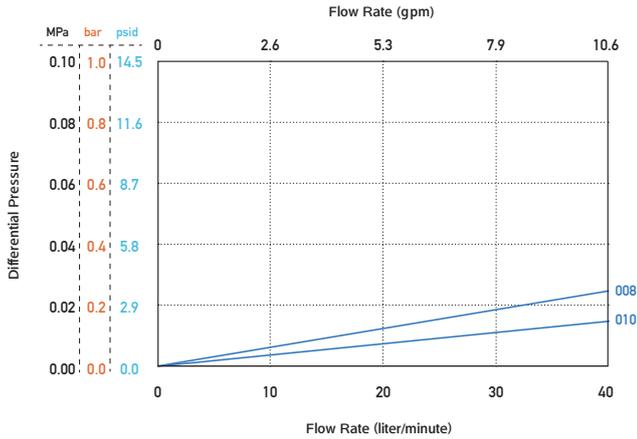
	008	010
Grades	008	010
Micron Ratings (μm)	0.8	1.0
E.F.A. ($\text{m}^2/250\text{mm}$)	0.21	0.19
Media	Polypropylene	
Core/Cage	Polypropylene	
Support	Polypropylene	
End Cap	Polypropylene	
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)	
Maximum Operating Temp	80 °C (176°F)	
Length	62.5 / 125 / 250 / 500 / 750 mm	
O.D.	70.0mm	
I.D.	25.6 (for 0, 5) / 26.1 (for F) / 29.5 (for 7) mm	
Adaptable Food Sanitation Standard	All raw materials meet the requirement of FDA 21 CFR *1	

*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)	
	008	010
0.8	> 99.9	
1.0		> 98
1.5		> 99.9

Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ACFTD+LATEX Beads

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-SBP-	0 1 0	E	F	C
62.5 = 62.5mm 125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		008 = 0.8 μm 010 = 1.0 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin	B = 6pcs C = 10pcs F = 25pcs

End Cap Code

Code F	Code 0	Code 5	Code 7
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*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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For our technical information, please click here. ▼



Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope

Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



JQA-QMA16323

MS CMO09

22nd Issue
SBP210302E