SBP Type

For classifying filtration applications (Super-fine polypropylene Fiber Media)

The SBP cartridges, having media consisting of super-fine polypropylene fibers, maintain high porosity.
The media allows the cartridges to provide outstanding flow rates at classifying filtration in the submicron range.

Features

●Having super-fine polypropylene fiber media, the SBP cartridges can attain excellent precision in particle removal.

●Since the super-fine polypropylene fiber media has high porosity, it provides lower pressure drop and higher flow rates compared to conventional polypropylene fiber media, which requires consolidation process.

●With optimized media structure, the SBP filters can provide an efficient classifying filtration process where coarse particles are captured and very fine particles necessary for the process are allowed to pass.

●Entirely composed of polypropylene components (except for gaskets and O-rings) and manufactured without using any binders or surfactants, the SBP cartridges are in no risk of extractables.

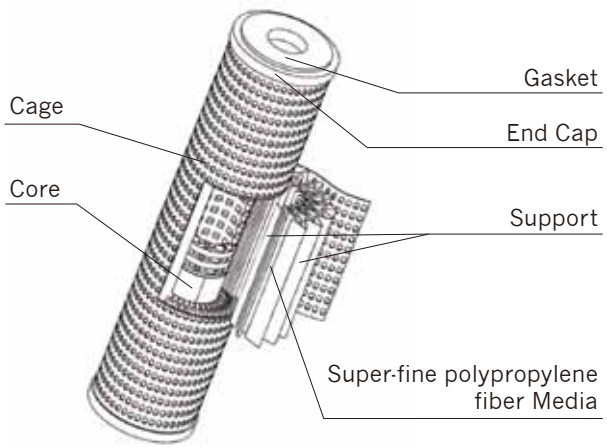
●All SBP filters have undergone pre-flushing to provide enhanced filter cleanliness and to reduce flushing time befor operation.

Major Applications

- Classifying filtration for high-concentration slurry
- Classifying filtration for pigment resists and ink-jet inks
- Classifying filtration for functional inks
- Filtration of alcoholic beverages and soft drinks
- Filtration of various types of process water, including make-up water
- Others

Ez-Change™
Capsule Filter Cartridge
This product can be installed in the Capsulate Filter "Ez-Change". Please refer to the Ez-Change catalog in detail.

Materials of Construction



Conventional polypropylene fiber media

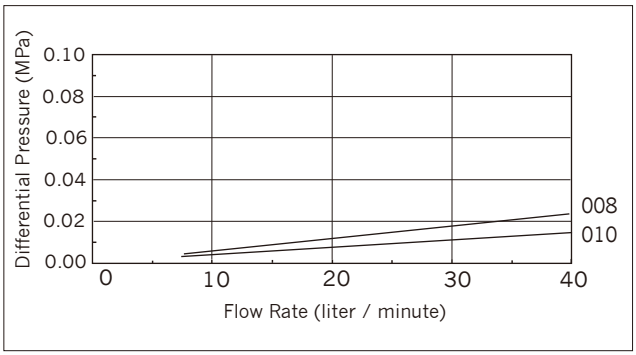
Low porosity
(with consolidation process)

Super-fine polypropylene fiber media (SBP-010)

High porosity

Differential Pressure vs Flow Rate

Fluid: Refined water (20°C) Cartridge Length : 250mm



※The data do not include piping pressure drop.

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

*The above data are based on our test condition, and are not guaranteed value.

Ordering Information

2 5 0	L – S B P –	0 1 0	S	7	C

[Nominal Length]
62.5 = 62.5mm
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[Product Type]

[Micron Rating]
008 = 0.8μm
010 = 1.0μm

[Gasket / O-Ring]
S = Silicon
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for 0, 5, 7)
PTFE (for F)

[End Cap Code]
F = Double Open Ends
0 = 2-222 O-Ring
5 = 2-222 O-Ring + Fin
7 = 2-226 O-Ring + Fin

[Packaging Code]
B = 6 pcs.
C = 10 pcs.
F = 25 pcs.

Specification

Product Type		SBP	
Grade		008	010
Micron Rating (μm)		0.8	1.0
E.F.A. (m² / 250mm)		0.21	0.19
Dimensions	Length (mm)	62.5 / 125 / 250 / 500 / 750	
	O.D. (mm)	70.0	
	I.D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)	
Materials Media	Media	Polypropylene	
	Core	Polypropylene	
	Support	Polypropylene	
	End Cap	Polypropylene	
	Gasket / O-Ring	NBR / EPDM / Silicone / FKM / FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)	
Maximum ΔP (MPa) at 20°C		0.49	
Maximum Operating Temp. (°C)		80	
Adaptable Food Sanitation Standard		FDA 21 CFR	

※For further information on specifications (length, end cap type, etc.), please contact us.

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.

ISO9001
JSAQ1436

CM001

Scope: Manufacture of Filter cartridges

End Cap Code

Code F

Code 0

Code 5

Code 7

*The contents of the catalog is subject to change without notice.

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