

MBP Type

(For high flow and removal of fine particles)
(Super-fine polypropylene Fiber Media)

The MBP cartridges are single layer pleated filters which use the super-fine polypropylene fibers as main filter media. The MBP provides not only high removal efficiency for submicron-size particles but also outstanding flow rates capability.

Features

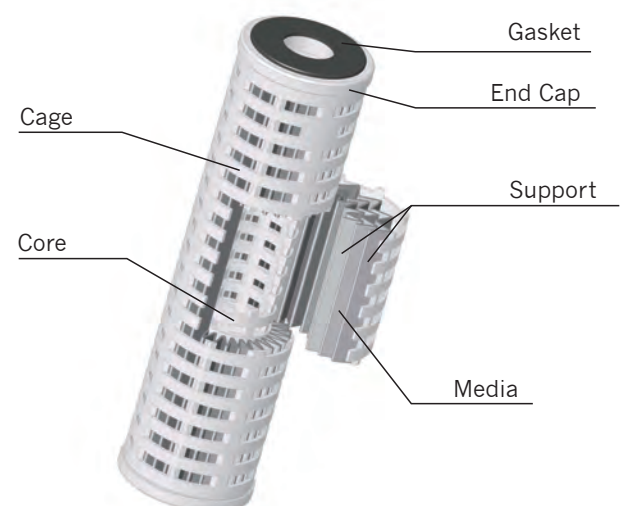
- Having super-fine polypropylene fiber media, the MBP cartridges can attain excellent precision in particle removal.
- Since the single layer super-fine polypropylene fiber media is pleated, MBP cartridges have the high porosity and wide filtration area. It provides lower pressure drop and higher flow rates.
- Entirely composed of polypropylene components (except for gaskets and O-rings) and manufactured without using any binders or surfactants, the MBP cartridges are in no risk of extractables.

Major Applications

- Classifying filtration for resists, ink-jet inks and nano-metal inks which nano-size pigments are dispersed
- Clarification of solvents
- Pre-filtration of membrane filter
- Filtration of alcoholic beverages and soft drinks
- Filtration of various types of process water, including make-up water
- Others



Materials of Construction

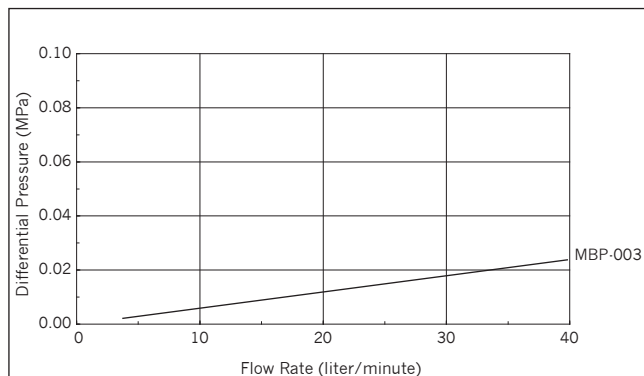


Ez-Change™ Capsule Filter Cartridge

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

Differential Pressure vs Flow Rate

Fluid: Water(20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)
	MBP-003
0.3	>99.9

<Test Conditions>

Equipment: Hiac Royco model
8000A / 8000S Particle counter
Filtration : One Pass
Fluid : Refined Water
Flow Rate : 10 liter / minute
Dust : ALUMINA+BOEHMITE

Ordering Information

250 L-MBP-003

S

7

C

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

[Product Type]

[Micron Rating]
003 = 0.3μm

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

[End Cap Code]
F = Flat Gaskets
0 = 2-222 O-Ring
5 = 2-222 O-Ring+Fin
7 = 2-226 O-Ring+Fin

[Packaging Code]
A = 1pc
B = 6pcs
C = 10pcs
F = 25pcs

Specification

Product Type		MBP
Grade		003
Micron Rating (μm)		0.3
E.F.A. (ml/250L)		0.72
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		0.86
Maximum Operating Temp.(°C)		80
Ministry of Health		Labour and Welfare Notification No. 370 / FDA 21 CFR

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



Scope: Manufacture of Filter cartridges

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

End Cap Code



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