

## MPX Type (Polypropylene Media)

The MPX cartridges are pleated filters capable of both high removal efficiency and high dirt holding capacity. Constructed of 100% polypropylene, the MPX cartridges provide wide chemical compatibility.

### Features

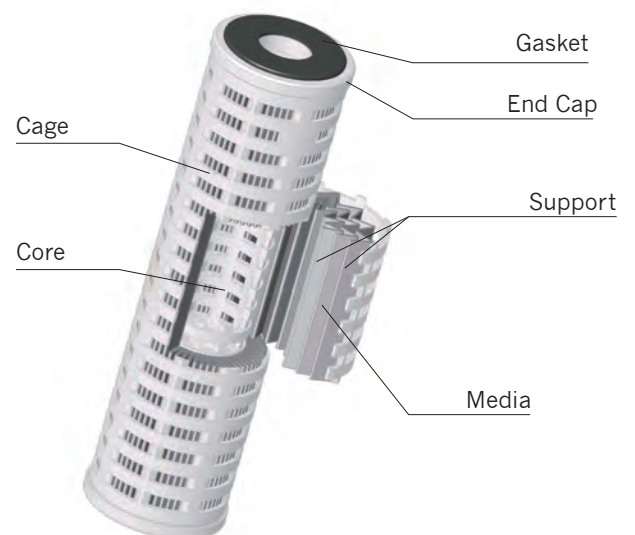
- Using the super fine fiber produced from the state-of-the-art technology to keep high void volume, the MPX cartridges provide higher removal efficiency and higher flow rates while maintaining low differential pressure, resulting in running cost reduction.
- Having a wide effective filter area, the MPX cartridges provide higher flow rates and longer service life.
- Because the filtering speed is controlled low, the MPX cartridges provide effective removal of soft contaminants such as gels.
- No binders or surfactants are used in the manufacturing process, which provides low extractables and wide chemical compatibility.



### Major Applications

- Chemical solutions
- Beer, Wine, Mineral Water
- General water for industrial use and make-up water
- Lubricating oils
- Others

### Materials of Construction

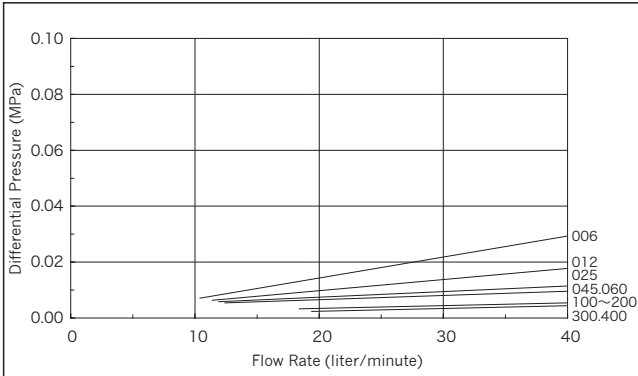


**Ez-Change™**  
Capsule Filter Cartridge

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 (%)									
	MPX-006	MPX-012	MPX-025	MPX-045	MPX-060	MPX-100	MPX-150	MPX-200	MPX-300	MPX-400
0.6	>98									
1.2	>99.9	>98	>95	>95						
2.5		>99.9	>99.9	>99.9	>99.9	>98				
4.5						>99.9				
6.0							>95			
10.0							>99.9	>95		
15.0								>99.9	>98	>98
20.0									>99.9	>99.9

<Test Condition>

Equipment: Hiac Royco Particle Counter  
Model 8000A/8000S

Filtration : One Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : ACFTD+Latex Beads

## Ordering Information

7 5 0 L-MPX-006

E

F

B

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

[Product Type]

[Micron Rating]

006 = 0.6μm 100 = 10μm  
012 = 1.2μm 150 = 15μm  
025 = 2.5μm 200 = 20μm  
045 = 4.5μm 300 = 30μm  
060 = 6.0μm 400 = 40μm

[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  
O = 2-222 O-Ring  
5 = 2-222 O-Ring+Fin  
7 = 2-226 O-Ring+Fin

[Packaging Code]

B = 6pcs  
C = 10pcs  
F = 25pcs

## Specification

Product Type		MPX									
Grade		006	012	025	045	060	100	150	200	300	400
Micron Rating (μm)		0.6	1.2	2.5	4.5	6.0	10	15	20	30	40
E.F.A. (m <sup>3</sup> /250L)		0.56	0.76	0.76	0.76	0.35	0.48	0.53	0.48	0.48	0.38
Dimen- sions	Length (mm)	125 / 250 / 500 / 750									
	O.D. (mm)	70.0									
	I. D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7)									
Materials Media	Media	Polypropylene									
	Support	Polypropylene									
	Core	Polypropylene									
	Cage	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 21CFR / Ministry of Health, Labour and Welfare, Notice 370									

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



Scope: Manufacture of Filter cartridges

※If you need 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.