

MPS Type (Polyester Media)

The MPS cartridges are pleated filters, constructed of Polyester non-woven media and polypropylene components. The MPS cartridges can be used for the filtration of aqueous solutions without hydrophilic treatment, since the polyester media has an inherent hydrophilic radical.

Features

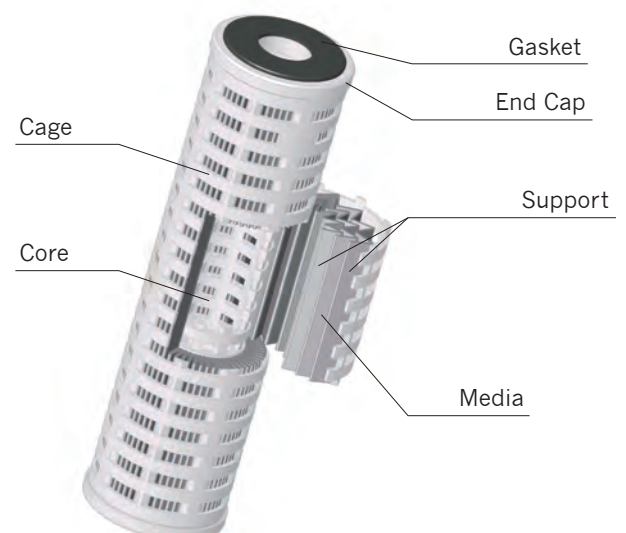
- Combined the features of pleated and depth filters, The MPS cartridges provide longer service life.
- No binders or surfactants are used in the manufacturing process, which provides low extractables.

Major Applications

- Pre-filters of pure water equipment
- General water for industrial use
- Beverages
- Others



Materials of Construction

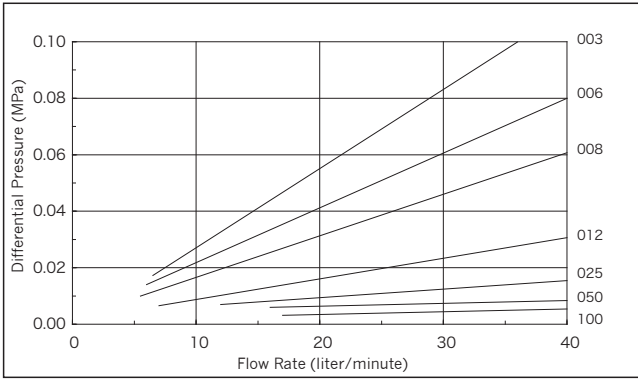


Ez-Change™ Capsule Filter Cartridge

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 (%)						
	MPS-003	MPS-006	MPS-008	MPS-012	MPS-025	MPS-050	MPS-100
0.3	>98	>95	>95				
0.5	>98	>98	>98				
0.8	>98	>98	>98	>95			
1.2	>99.9	>99.9	>99.9	>98	>98		
2.5				>99.9	>99.9	>99.9	
5.0							>98
10.0							>98

<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-MPS-1 0 0



[Nominal Length]

125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm



[Product Type]



[Micron Rating]

003 = 0.3μm 025 = 2.5μm
006 = 0.6μm 050 = 5.0μm
008 = 0.8μm 100 = 10μm
012 = 1.2μm

V



[Gasket/O-ring]

S = Silicone
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for 0, 5, 7)
PTFE (for F)

7



[End Cap Code]

F = Flat Gaskets
O = 2-222 O-Ring
5 = 2-222 O-Ring+Fin
7 = 2-226 O-Ring+Fin

F



[Packaging Code]

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

Specification

Product Type		MPS						
Grade		003	006	008	012	025	050	100
Micron Rating (μm)		0.3	0.6	0.8	1.2	2.5	5.0	10
E.F.A. (ml/250L)		0.53	0.53	0.51	0.61	0.48	0.56	0.56
Dimensions	Length (mm)	125 / 250 / 500 / 750						
	O.D. (mm)	70.0						
	I. D. (mm)	26.1 (for F) / 25.6 (for O, 5) / 30.0 (for 7)						
Materials Media	Media	Polyester						
	Support	Polypropylene						
	Core	Polypropylene						
	Cage	Polypropylene						
	End Cap	Polypropylene						
Gasket/O-Ring		NBR / EPDM / Silicone / FKM / FEP Encapsulated FKM (for O, 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.