

MPX Q Flow Type

For high flow filtration applications

MICRO-PURE Filter Cartridges “MPX Q Flow type” are large-diameter filter cartridge made by extending the inner and outer diameters of MPX type achieving highly removal efficiency and remarkable dust holding capacity so that filtration can be conducted at a maximum flow of four times the flow of MPX type.

Features

- The inner and outer diameters are larger than standard size of MPX filters and filtration at higher flow rate is feasible using a smaller number of the filter cartridges. “MPX Q Flow type” therefore contributes to a cost reduction such as work improvement on changing cartridges and saving cartridge cost.
- Initial cost reduction and space saving can be achieved by the downsize of housing, since the number of filter cartridges can be reduced as compared with that of standard size filter cartridges.
- Using the smallest diameter of melt-blown PP non-woven and adopting a special production process to keep high dirt holding capacity, “MPX Q Flow Type” can offer an excellent flow rate and highly improved filter life, resulting in running cost saving.
- Because of an excellent flow rate, “MPX Q Flow” can effectively catch Gel in low pressure drop operation.
- Due to a good-balanced filters between removal efficiency and life, “MPX Q Flow Type” can reduce filter replacement task.

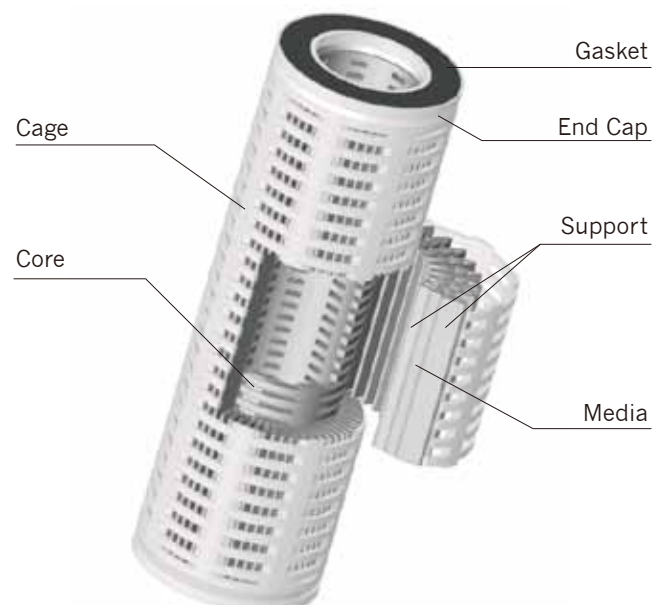
Major Applications

- Electronics: D.I. water and R/O water pre-filtration, Photoresists, Ink-jet
- Food and Beverage: Beer, Wine, Mineral Water
- General Process: Photo Emulsion
- Others

* This is a theoretical flow rate and actual allowable flow rates depend on filtration conditions.
Please consult us for further technical information.

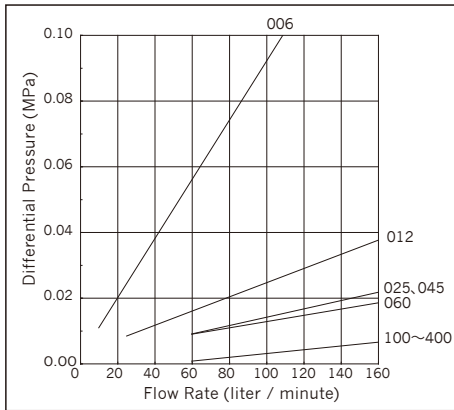


Materials of Construction



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 (%)									
	006	012	025	045	060	100	150	200	300	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								>99.8	>98	
20.0								>99.9	>99.7	>98
30.0									>99.9	>99.9

<Test Condition>

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

250	L - MPX -	006	E	W	B
↓	↓	↓	↓	↓	↓
[Nominal Length] 250 = 250mm 500 = 500mm 750 = 750mm 1000 = 1000mm	[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 W, 1) A = Foamed PTFE (for E)	[End Cap Code] E = Double Open Ends W = 2-227 O-Ring 1 = 2-222 O-Ring	[Packaging Code] A = 1 pc. B = 6 pcs. C = 10 pcs.

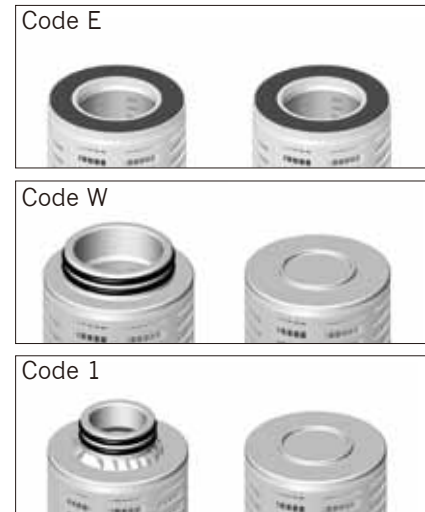
Specification

Product Type		MPX Q Flow Type									
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 ² / 250mm)		0.83	1.12	1.12	1.12	0.53	0.72	0.80	0.72	0.72	0.56
Dimensions	Length (mm)	250 / 500 / 750 / 1000									
	O.D. (mm)	83.0									
	I.D. (mm)	49.0 (for E, W) / 33.5 (for 1)									
Materials Media	Media	Polypropylene									
	Support	Polyolefin									
	Core	Polypropylene									
	Cage	Polypropylene									
	End Cap	Polypropylene									
Gasket / O-Ring		NBR / EPDM / Silicone / FKM/FEP Encapsulated FKM (for W, 1) / Foamed PTFE (for E)									
Maximum ΔP (MPa) at 20°C		0.35									
Maximum Operating Temp. (°C)		80									

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

※Q Flow exclusive housings are available. Depending on applications and filtration volume, we are pleased to offer the most suitable product, please contact us for further information.

End Cap Code



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



Scope: Manufacture of Filter cartridges

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