

MPX_{Type}

Available PORIGON

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

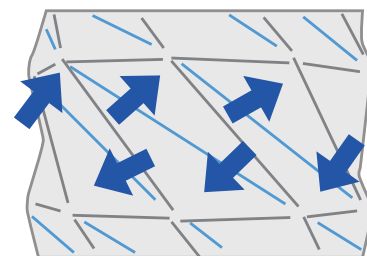
- Using the super fine fiber produced from the state-of-the-art technology to keep high void volume, the MPX cartridges provide higher removal efficiency and higher flow rates while maintaining low differential pressure, resulting in running cost reduction.
- Having a wide effective filter area, the 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

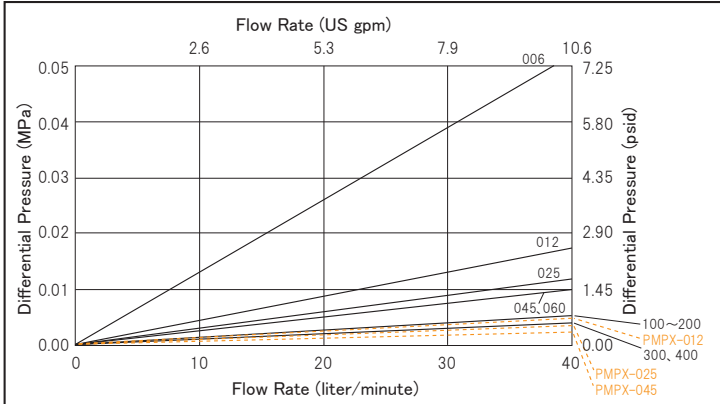
Materials of Construction



By folding the filter media in a special way, it is possible to utilize the entire filter media more effectively than a normal filter.

Differential Pressure vs Flow Rate

Fluid : Refined water (20°C)(68°F)
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							> 99.8	> 95		
15.0							> 99.8	> 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

7 5 0 L - P M P X - 0 0 6 E F B

- [Nominal Length]**
125=125mm
250=250mm
500=500mm
750=750mm
- [Product Type]**
MPX=Standard
PMPX=PORIGON
- [Micron Rating]**
006 = 0.6 μm 100 = 10 μm
012 = 1.2 μm 150 = 15 μm
025 = 2.5 μm 200 = 20 μm
045 = 4.5 μm 300 = 30 μm
060 = 6.0 μm 400 = 40 μm
- [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]**
B= 6pcs
C=10pcs
F=25pcs

 Part Numbers for available PORIGON structure

Specification

Product Type		MPX PMPX									
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) MPX		0.56	0.76	0.76	0.76	0.35	0.48	0.53	0.48	0.48	0.38
E.F.A. (m ² / 250mm) PMPX			0.68	0.68	0.68						
Dimensions	Length (mm)	125 / 250 / 500 / 750									
	O.D.(mm)	70.0									
	I.D.(mm)	MPX: 26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7), PMPX: 26.1 (for F, 0, 5, 7)									
Materials Media	Media	Polypropylene									
	Support	Polypropylene (MPX), Polyethylene (PMPX)									
	Core	Polypropylene									
	Outer Cage	Polypropylene									
	End Cap	Polypropylene									
Gasket/O-Ring		NBR / EPDM / Silicone / FKM / FEP Encapsulated FKM (for 0,5,7) / PTFE (for F)									
Maximum ΔP at 20°C (68°F)		0.49MPa (71psid)									
Maximum Operating Temp.		80°C (176°F)									
Adaptable Food Sanitation Standard		FDA 21 CFR ^{※1}									

Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.



Scope: Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.

About the cover of PORIGON type filter.
If you only hold the cover when you are setting up the filter.
The cover will be moved in some case while you are twisting it hardy.
Cover is designed for protect the media of filter.

※1 Applicable Gaskets and O-ring materials exclude EPDM.

End Cap Code



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