

## MPN Type (Nylon Media)

The MPN cartridges are pleated filters, constructed of Nylon non-woven media and Polypropylene components. The MPN cartridges are designed for applications where Polypropylene media can not be used because of swelling.

### Features

- The MPN cartridges provide longer service life, since they are equipped with the features of both pleated and depth cartridges.
- The MPN cartridges provide stable filtration of applications such as Toluene, MEK and THF, since it is hard to swell and deteriorate even for use in such applications.
- No binders and surfactants are used in the manufacturing process, which provides extremely low extractables.

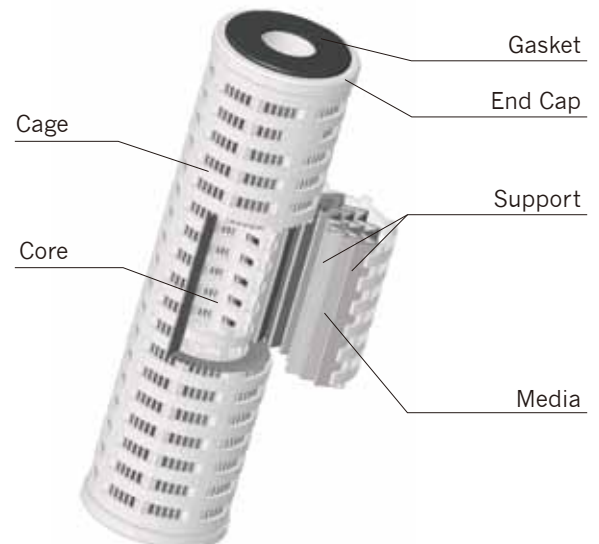


### Major Applications

- Organic solvents and polar solvents
- Binders and resins
- Others

Note: We recommend that you should use the MNN cartridges constructed of 100% Nylon if the filtration of organic solvents for a long time of period is demanded. If you need further information, please consult our sales department.

### Materials of Construction

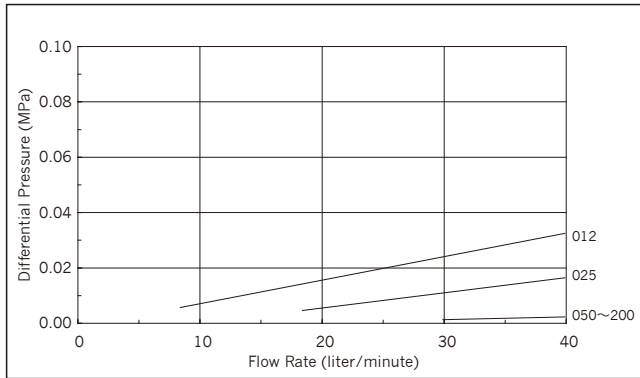


#### Ez-Change™ Capsule Filter Cartridge

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: Refined water (20°C)  
Cartridge Length: 250mm



※The data do not include piping pressure drop.

## Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)				
	012	025	050	100	200
1.2	>98	>95			
2.5	>98	>98	>95		
5.0	>99.9	>99.9	>99.9	>98	>95
10.0				>99.9	>98
20.0					>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-MPN-1 0 0

V

7

F

[Nominal Length]

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

[Product Type]

[Micron Rating]

012 = 1.2μm  
025 = 2.5μm  
050 = 5.0μm  
100 = 10μm  
200 = 20μm

[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

## Specification

Product Type		MPN				
Grade		012	025	050	100	200
Micron Rating (μm)		1.2	2.5	5.0	10	20
E.F.A. (m <sup>2</sup> /250L)		0.48	0.55	0.52	0.53	0.70
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	Nylon				
	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				

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 code, etc.), please contact us.

※ Please refer to All Nylon Filter "MNN" constructed of Nylon media and Nylon parts.

## End Cap Code



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