

MNN Type (100% Nylon)

The MNN cartridges are pleated filters, constructed of Nylon non-woven media and Nylon components. The MNN cartridges are designed for the filtration of oils at a high temperature and organic solvents.

Features

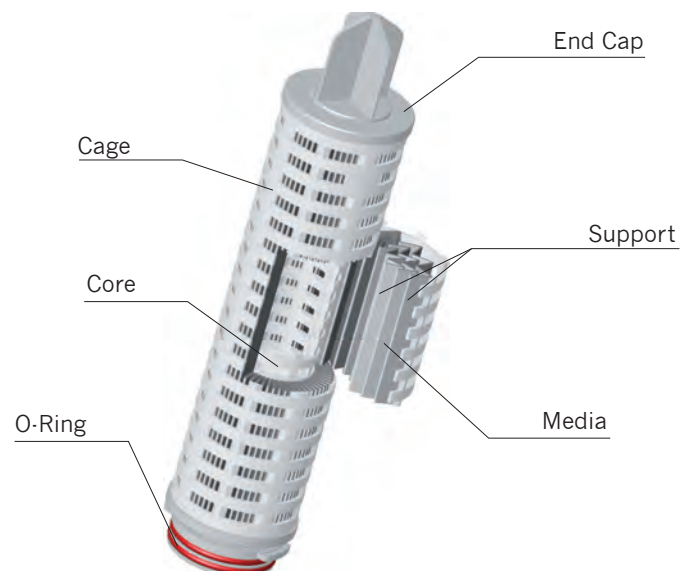
- The MNN cartridges provide higher removal efficiency and higher flow rates while maintaining low differential pressure, since the Nylon super fine fibers are used to keep high void volume
- The MNN cartridges provide stable filtration of applications such as hydrocarbon and chlorinated solvents where polypropylene can not be used for a long time of period, since they are constructed of Nylon media and Nylon components, featuring that 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

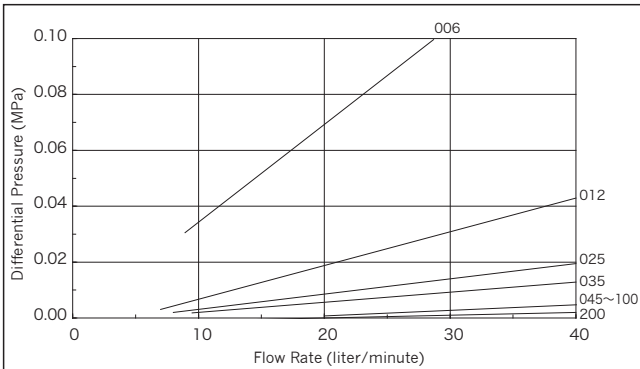
- Volatile oils
- Organic solvents such as toluene, xylene and THF
- Chlorinated solvents
- Lubricating oils at a high temperature
- Others

Materials of Construction



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 (%)							
	MNN-006	MNN-012	MNN-025	MNN-035	MNN-045	MNN-050	MNN-100	MNN-200
0.6	>98							
1.2	>99.9	>98	>95					
2.5		>98	>98	>98	>98	>95		
3.5		>99.9	>98	>98	>98	>98	>95	
4.5			>99.9	>99.9	>99.9	>98	>98	
5.0						>98	>98	>95
10.0						>99.9	>99.9	>98
20.0								>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

250 L-MNN-100

V

7

F

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

[Product Type]

[Micron Rating]
006 = 0.6μm 045 = 4.5μm
012 = 1.2μm 050 = 5.0 μm
025 = 2.5μm 100 = 10μm
035 = 3.5μm 200 = 20μm

[Gasket/O-ring]

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

[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		MNN							
Grade		006	012	025	035	045	050	100	200
Micron Rating (μm)		0.6	1.2	2.5	3.5	4.5	5.0	10	20
E.F.A. (m ³ /250L)		0.36	0.46	0.59	0.43	0.53	0.53	0.53	0.71
Dimensions	Length (mm)	125 / 250 / 500 / 750							
	O.D. (mm)	70.0							
	I. D. (mm)	28.0 (for F, 0, 5, 7)							
Materials Media	Media	Nylon 6							
	Support	Nylon 6							
	Core	Nylon 6 with filler							
	Cage	Nylon 6 with filler							
	End Cap	Nylon 12							
Gasket/O-Ring		Silicone / EPDM / NBR / FKM / FEP Encapsulated FKM (for 0, 5, 7) / Foamed PTFE (for F)							
Maximum ΔP (MPa)at 20°C		0.49							
Maximum Operating Temp.(°C)		120°C							

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.

※With regard to ΔP (MPa) at around 120°C, please consult us.

End Cap Code



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