

MPN Type (100 % 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.

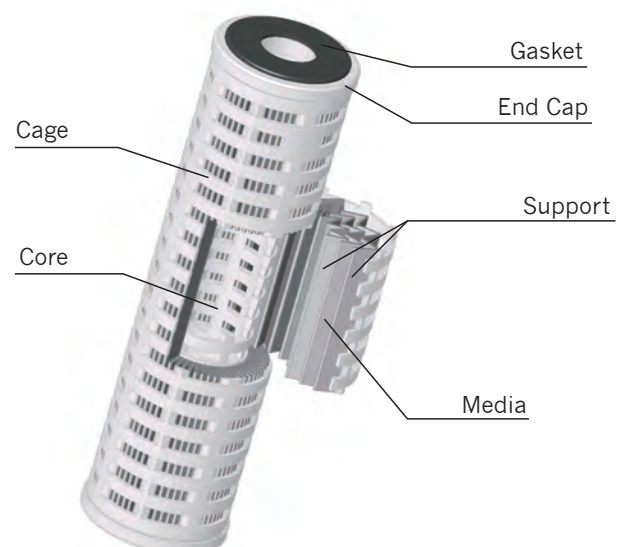
Major Applications

- 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

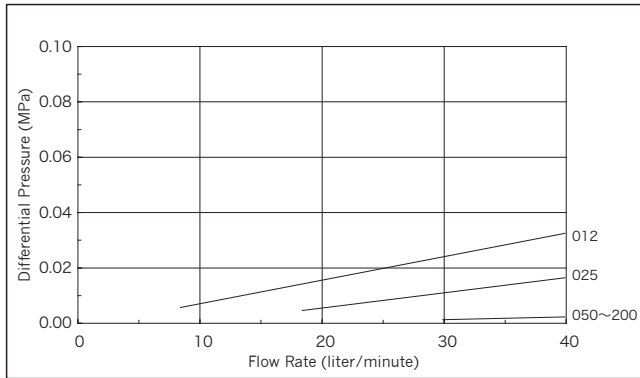


Ez-Change™
Capsule Filter Cartridge

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: Water(20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

| Particle Size(μm) | Particle Removal Efficiency (%) | | | | |
|-------------------|---------------------------------|---------|---------|---------|---------|
| | MPN-012 | MPN-025 | MPN-050 | MPN-100 | MPN-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: 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-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
O = 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. (ml/250L) | | 0.56 | 0.66 | 0.53 | 0.53 | 0.71 |
| Dimensions | 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 6 | | | | |
| | 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.