



PRESTABLE

MAP Type

Major Applications

Adhesive

Resin dissolving liquid

Coating agent for film

Conductive/ Insulation paste

Other high viscosity liquids, paste

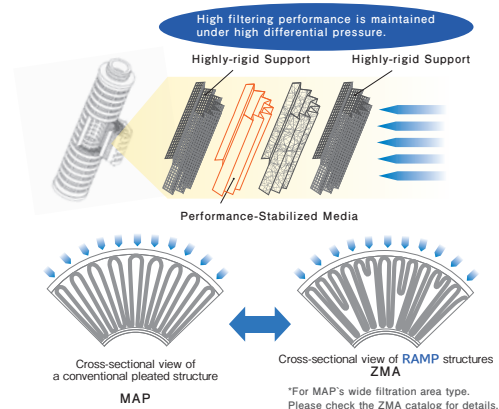
Features

- Filter structure designed for high-viscosity liquids
- High rigid support media
- Adoption of performance stabilized media
- 100% Polypropylene
- No use of binder or surfactant

Advantages

- High maximum differential pressure (0.86MPa)
- Excellent differential pressure vs. flow rate for high viscosity
- High filtration stability against differential pressure fluctuation
- Wide range of fluid compatibility
- Low extractables risk

Structure



Specifications

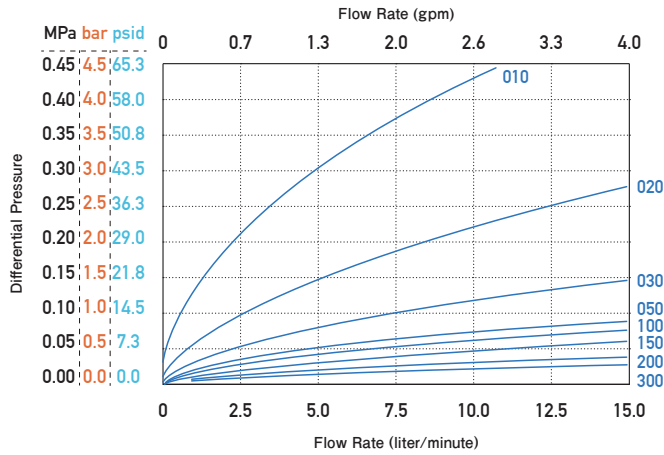
| | 010 | 020 | 030 | 050 | 100 | 150 | 200 | 300 |
|--------------------------------------|---|---|------|------|------|------|------|------|
| Grades | 010 | 020 | 030 | 050 | 100 | 150 | 200 | 300 |
| Micron Ratings (μm) | 1.0 | 2.0 | 3.0 | 5.0 | 10 | 15 | 20 | 30 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 0.25 | 0.29 | 0.33 | 0.30 | 0.30 | 0.28 | 0.26 | 0.24 |
| Media | Polypropylene | | | | | | | |
| Materials Core/Cage/Support | Polypropylene | | | | | | | |
| End Cap | Polypropylene | | | | | | | |
| Maximum ΔP | 0.86MPa at 20°C (125psi at 68°F) | | | | | | | |
| Maximum Operating Temp | 80 °C (176°F) | | | | | | | |
| Length | 125 / 250 / 500 / 750 mm | | | | | | | |
| Dimensions | O.D. | 70.0mm | | | | | | |
| | I. D. | 25.6 (for 0.5) / 26.1 (for F) / 29.5 (for 7) mm | | | | | | |
| Adaptable Food Sanitation Standard | All raw materials meet the requirement of FDA 21 CFR *1 | | | | | | | |

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

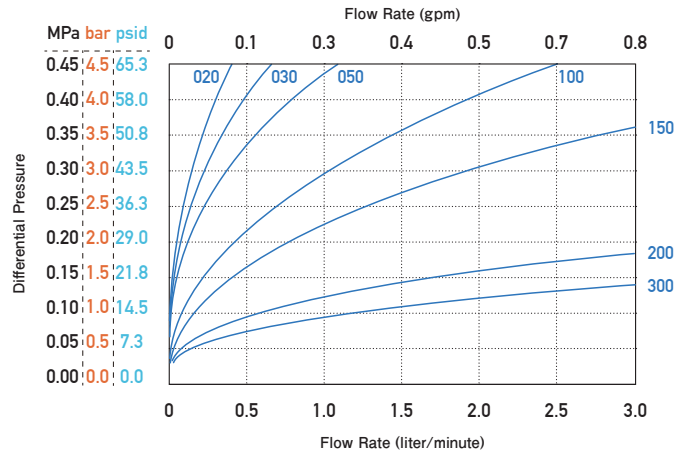
*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: CMC(1Pa-s) / Cartridge Length: 250mm



Fluid: CMC(50Pa-s) / Cartridge Length: 250mm



Particle Removal Efficiency

| Grades Particle Size (μm) | 010 | 020 | 030 | 050 | 100 | 150 | 200 | 300 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.0 | >99.9 | | | | | | | |
| 2.0 | | >99.9 | | | | | | |
| 3.0 | | | >99.9 | | | | | |
| 5.0 | | | | >99.9 | >98 | | | |
| 10 | | | | | >99.9 | | | |
| 15 | | | | | | >99.9 | | |
| 20 | | | | | | | >99.9 | |
| 30 | | | | | | | | >99.9 |

Test Conditions

Equipment : Particle Counter in Liquid
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ACFTD+LATEX Beads (MAP-010~150)
 Diatomaceous earth (MAP-200·300)

Ordering Information

| Nominal Length | Product Type | Micron Rating | Gasket/O-Ring | End Cap Code | Packaging Code |
|--|--------------|--|--|--|------------------------------------|
| 250 L | -MAP- | 010 | S | 7 | C |
| 125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm | | 010 = 1.0 μm 020 = 2.0 μm 030 = 3.0 μm 050 = 5.0 μm 100 = 10 μm 150 = 15 μm 200 = 20 μm 300 = 30 μm | S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F) | F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin | B = 6pcs C = 10pcs F = 25pcs |

End Cap Code



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

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.