PRESTABLE Filter Cartridges

MAP Type

For high-viscosity fluid filtration applications (Perfomance-Stabilized Media)

The MAP cartridges are designed especially for the filtration of high-viscosity / high-concentration fluids.
Having highly rigid support and high pressure ability,the MAP will provide outstanding flow rates.
The MAP cartridge consists of media developed by ROKITECHNO to maintain stable filtration under high differential pressures.

Features

●With the functionality of our unique performance-stabilized media developed by ROKITECHNO, stable filtration retention can be constantly attained under high or fluctuating differential pressures.

●Having highly-rigid supports which maintain sufficient flow passage under high differential pressure, the MAP cartridges provide outstandingly high flow rates.
Further improved flow rate can be expected due to their enhanced pressure capacity, which has made it possible to send fluid by higher pressure.

●With optimized media composition and higher differential pressure capacity, the MAP cartridge can avoid surface clogging (rapid clogging) and can offer longer service life when compared to conventional filters.

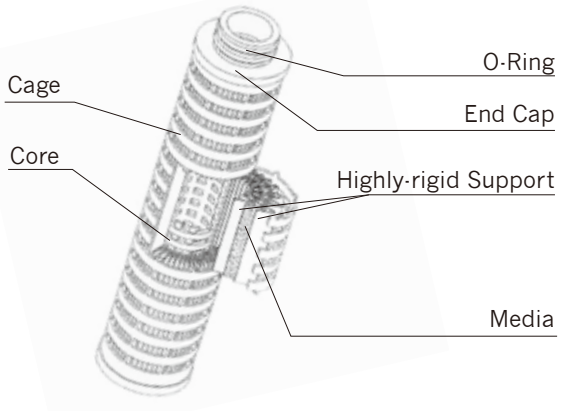
●Having excellent pressure capacity (0.86 MPa at 20°C) comparable to metal cartridges, the MAP cartridges can be used, as an alternative to metal cartridges, for fluids susceptible to metal contamination.

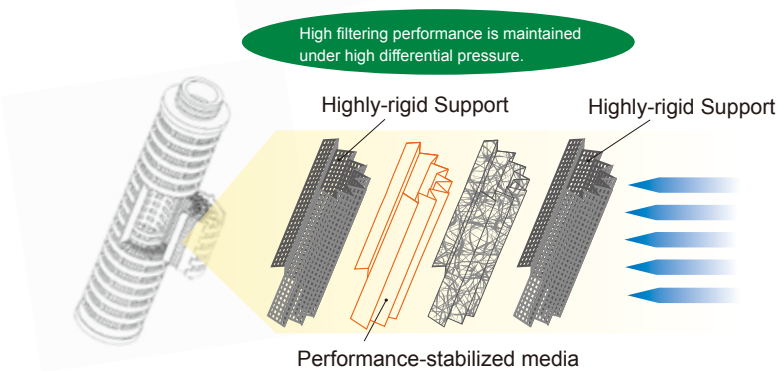
●Entirely composed of polypropylene components (except for gaskets and O-rings) and manufactured without using any binders or surfactants, the MAP cartridges pose no risk of extractables.

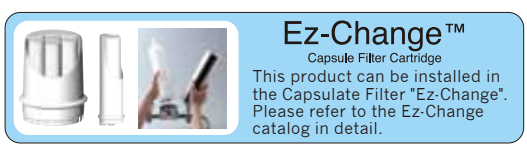
Major Applications

- Conductive and insulating pastes
- Adhesives and bonds
- Binder materials and varnishes
- Raw resins
- Other fluids with high solid contents / viscosity

Materials of Construction



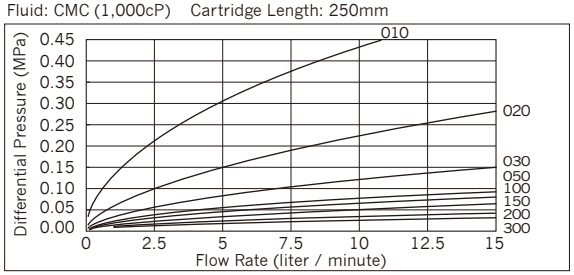




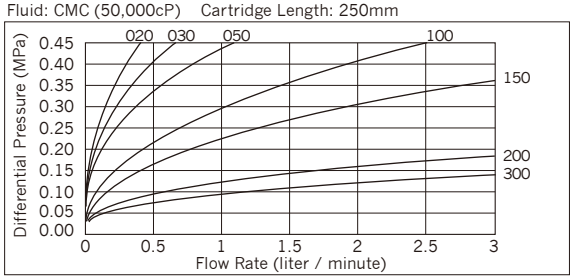
AP1A007CE (10th Issue)

Differential Pressure vs Flow Rate

Fluid: CMC (1,000cP) Cartridge Length: 250mm



Fluid: CMC (50,000cP) Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)							
	010	020	030	050	100	150	200	300
1.0	>99.9							
2.0		>99.9						
3.0			>99.9					
5.0				>99.9	>98.0			
10.0					>99.9			
15.0						>99.9		
20.0							>99.9	
30.0								>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～MAP-150)
RADIOLITE #800 (MAP-200～MAP-300)

*The above data are based on our test condition, and are not guaranteed value.

Ordering Information

250	L–MAP–	010	S	7	C

[Nominal Length]
62.5 = 62.5mm
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[Product Type]

[Micron Rating]
010 = 1μm
020 = 2μm
030 = 3μm
050 = 5μm
100 = 10μm
150 = 15μm
200 = 20μm
300 = 30μm

[Gasket / O-Ring]
S = Silicon
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for 0, 5, 7)
PTFE (for F)

[End Cap Code]
F = Double Open Ends
0 = 2-222 O-Ring
5 = 2-222 O-Ring + Fin
7 = 2-226 O-Ring + Fin

[Packaging Code]
B = 6 pcs.
C = 10 pcs.
F = 25 pcs.

Specification

Product Type		MAP							
Grade		010	020	030	050	100	150	200	300
Micron Rating (μm)		1	2	3	5	10	15	20	30
E.F.A. (m2 / 250mm)		0.27	0.30	0.33	0.30	0.30	0.29	0.26	0.24
Dimensions	Length (mm)	62.5 / 125 / 250 / 500 / 750							
	O.D. (mm)	70.0							
	I.D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)							
Materials Media	Media	Polypropylene							
	Core	Polypropylene							
	Support	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		0.86							
Maximum Operating Temp. (°C)		80							
Adaptable Food Sanitation Standard		FDA 21 CFR							

※For further information on specifications (length, end cap type, etc.), please contact us.

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.

ISO9001
JSAQ1436

CM001

Scope: Manufacture of Filter cartridges

End Cap Code

Code F

Code 0

Code 5

Code 7

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

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