



MP-FINE

# MBP Type

## Major Applications

Classification filtration of resist and ink with dispersed nanoparticles

Clarification filtration of various solvent

Pre-filter of porous membrane

Filtration of various process water such as manufacturing water

## Features

- Single-layer structure of ultra-fine fiber filter media
- All filter media and molded parts are made of polypropylene

## Advantages

- Low differential pressure and high flow rate filtration
- High filtration efficiency
- Excellent chemical compatibility

## Specifications

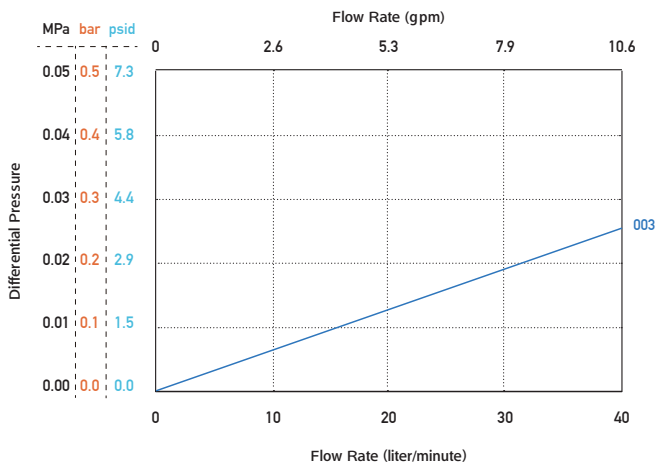
Grades	003
Micron Ratings ( $\mu\text{m}$ )	0.3
E.F.A.	0.72m <sup>2</sup> /250mm
Media	Polypropylene
Materials Core/Support	Polypropylene
End Cap	Polypropylene
Maximum $\Delta P$	0.86MPa at 20°C (125psi at 68°F)
Maximum Operating Temp	80 °C (176°F)
Dimensions Length	62.5 / 125 / 250 / 500 / 750 mm
O.D.	70.0mm
I. D.	25.6 (for 0.5) / 26.1 (for F) / 29.5 (for 7) mm

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

\*Cannot be used in environments where acid or high temperature steam is used. Please contact us for details.

## Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



## Particle Removal Efficiency

Grades	Particle Removal Efficiency (%)
003	> 99.9

### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ALUMINA+BOEHMITE

## Ordering Information

Length	Product Type	Micron Rating	O-Ring	End Cap Code	Packaging Code
<b>2 5 0 L</b>	<b>-MBP-</b>	<b>003</b>	<b>S</b>	<b>7</b>	<b>C</b>
62.5 = 62.5mm 125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		003 = 0.3 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	A = 1pc 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.

# ROKI GROUP International Pte. Ltd.

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan  
 TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

[www.rokiglobal.com](http://www.rokiglobal.com)

Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope

Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



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