



## MICRO-PURE

# MPX Type

### Major Applications

Chemicals

Industrial water, Pure water

Beverages

Resin dissolving liquid

Coating agent for film

### Features

- Pleated type with wide filtration area
- Variety of micron ratings
- 100% Polypropylene
- No use of binder or surfactant

### Advantages

- Excellent differential pressure vs. flow rate
- Optimal micron ratings selection according to the purpose
- Wide range of fluid compatibility
- Low extractables risk

## Specifications

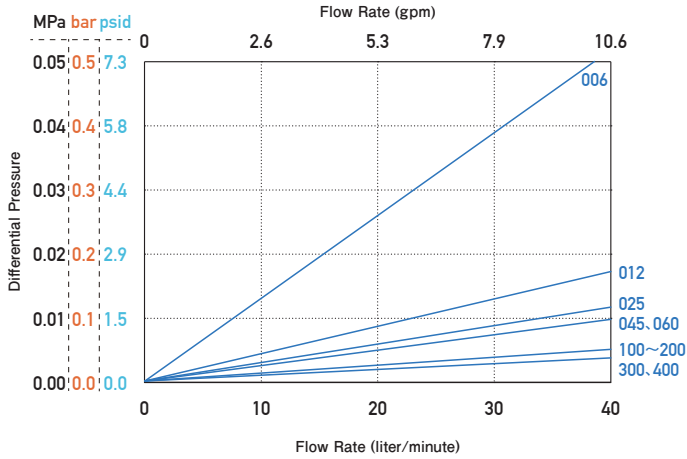
Grades	006	012	025	045	060	100	150	200	300	400
Micron Ratings (µm)	0.6	1.2	2.5	4.5	6.0	10	15	20	30	40
E.F.A. (m <sup>2</sup> /250mm)	0.55	0.75	0.75	0.75	0.35	0.48	0.53	0.48	0.48	0.38
Media	Polypropylene									
Materials Core/Cage/Support	Polypropylene									
End Cap	Polypropylene									
Maximum ΔP	0.49MPa at 20°C (71psi 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) / 30.0 (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: Refined Water 20°C (68°F) / Cartridge Length: 250mm



## Particle Removal Efficiency

Grades	Particle Removal Efficiency (%)									
Particle Size (µm)	006	012	025	045	060	100	150	200	300	400
0.6	>98									
1.2	>99.9	>98	>95	>95						
2.5		>99.9	>99.9	>99.9	>99.9	>98				
4.5						>99.9				
6.0							>95			
10							>99.8	>95		
15							>99.9	>99.8	>98	
20								>99.9	>99.7	>98
30									>99.9	>99.9

### Test Conditions

Equipment : Particle Counter in Liquid  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD+LATEX Beads

## Ordering Information

Nominal Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
<b>7 5 0 L</b>	<b>-MPX-</b>	<b>0 0 6</b>	<b>E</b>	<b>F</b>	<b>B</b>
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		006 = 0.6µm    100 = 10µm 012 = 1.2µm    150 = 15µm 025 = 2.5µm    200 = 20µm 045 = 4.5µm    300 = 30µm 060 = 6.0µm    400 = 40µm	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.