

## MPS Type

(Polyester Media)

### Major Applications

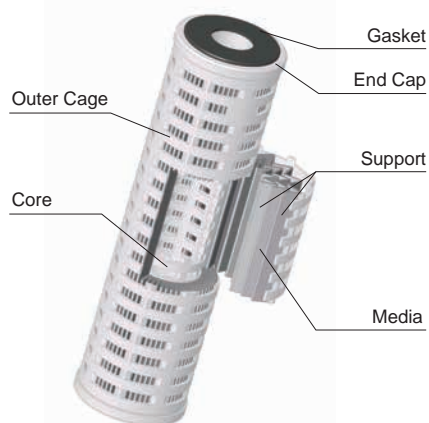
- Pre-filter of pure water device
- Industrial water and water for beverages
- Various beverages
- Others



### Features & Benefits

- **No hydrophilization treatment required**
  - Non-woven polyester media is hydrophilic, making it possible to start filtration without the hydrophilization, even for sub micron rating.
- **Long service life**
  - Pleated filter with large filtration area can effectively capture foreign substances throughout the filter media.
- **Low extractables**
  - Since binders or surfactants are not used in filter, extractables are extremely low.

### Materials of Construction



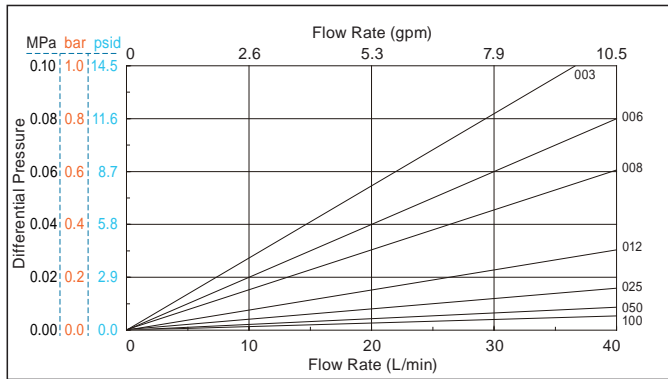
### Specification

Product Type		MPS						
Micron Rating (µm)		0.3	0.6	0.8	1.2	2.5	5.0	10
E.F.A. (m <sup>2</sup> / 250mm)		0.52	0.52	0.50	0.60	0.47	0.55	0.55
Dimensions	O.D. (mm)	70.0						
	I. D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7)						
Materials	Media	Polyester						
	Support	Polypropylene						
	Core, Outer Cage, End Cap	Polypropylene						
Maximum ΔP at 20°C (68°F)		0.49MPa (4.9bar, 71psid)						
Maximum Operating Temp.		80°C (176°F)						
Adaptable Food Sanitation Standard		All raw materials meet the requirement of FDA 21 CFR *1						

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

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

## Flow Rate



Fluid: Refined Water (20°C (68°F)) Cartridge Length: 250mm  
 \* The data does not include piping pressure drop.

## Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)						
	003	006	008	012	025	050	100
0.8	>99	>98					
1.2	>99.9	>99.9	>99.9	>98			
2.5				>99.9	>99.9		
5.0						>99.9	
10.0							>98

<Test Condition>  
 Equipment: Particle Counter in Liquid  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD+Latex Beads

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

## Ordering Information

**7 5 0 L - M P S - 1 0 0**

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

[ Product Type ]

[ Micron Rating ]  
 003 = 0.3μm    025 = 2.5μm  
 006 = 0.6μm    050 = 5.0μm  
 008 = 0.8μm    100 = 10μm  
 012 = 1.2μm

**V**

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

**7**

[ End Cap Code ]  
 F = Flat Gaskets  
 0 = 2-222 O-Ring  
 5 = 2-222 O-Ring + Fin  
 7 = 2-226 O-Ring + Fin

**F**

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

## End Cap Code



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.

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