


MICRO-PURE
MPS Type
Major Applications

Industrial water, pure water

Water-based resin solution

Features

- Composed of polyester filter media and polypropylene molding parts
- Pleated type with wide filtration area
- No use of binder or surfactant

Advantages

- Liquids with high surface tension can flow without pre-wetting
- Excellent differential pressure vs. flow rate
- Low extractables risk

Specifications

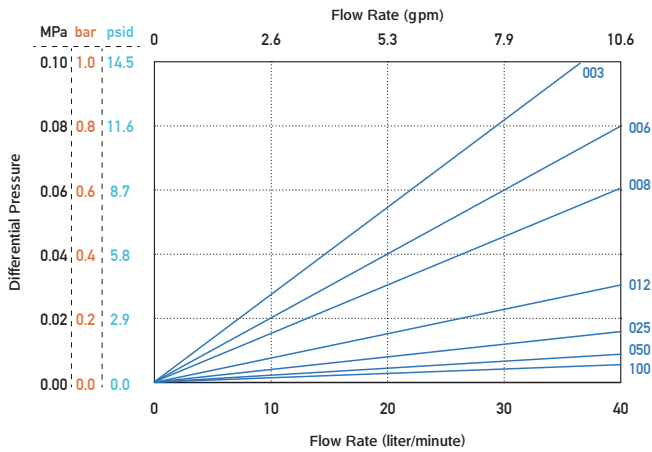
	003	006	008	012	025	050	100
Grades	003	006	008	012	025	050	100
Micron Ratings (μm)	0.3	0.6	0.8	1.2	2.5	5.0	10
E.F.A. ($\text{m}^2/250\text{mm}$)	0.52	0.52	0.50	0.60	0.47	0.55	0.55
Media	Polyester						
Materials Core/Cage/Support	Polypropylene						
End Cap	Polypropylene						
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)						
Maximum Operating Temp	80°C (176°F)						
Length	125 / 250 / 500 / 750 mm						
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 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 Conditions

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

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
7 5 0 L	-MPS-	1 0 0	V	7	F
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		003 = 0.3 μm 006 = 0.6 μm 008 = 0.8 μm 012 = 1.2 μm 025 = 2.5 μm 050 = 5.0 μm 100 = 10 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.

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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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