


MICRO-PURE
MPT Type

Major Applications

Electrode paste for MLCC

Other high-concentration dispersions

Features

- Pleated structure with optimized thickness of filter media
- Achieves stable particle removal performance even under high differential pressure
- Optimize the final layer with unique consolidation process
- 100% Polypropylene

Advantages

- Submicron filtration of high-viscosity liquids of 10 Pa·s or more
- Removes coarse base metal particles and aggregates of 1 μm or more
- Wide range of fluid compatibility

Specifications

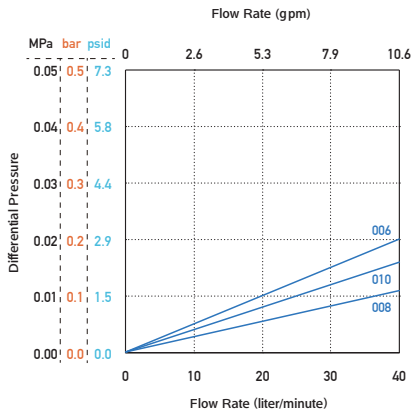
Grades	006	008	010
Micron Ratings (μm)	0.6	0.8	1.0
E.F.A. (m ² /250mm)	0.45	0.48	0.32
Media	Polypropylene		
Materials Core/Cage/Support	Polypropylene		
End Cap	Polypropylene		
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)		
Maximum Operating Temp	80°C (176°F)		
Length	125 / 250 / 500 / 750 mm		
O.D.	70.0mm		
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.

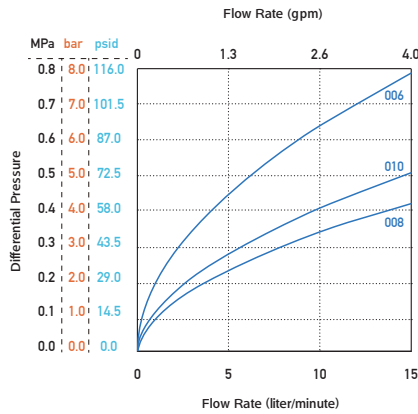
*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

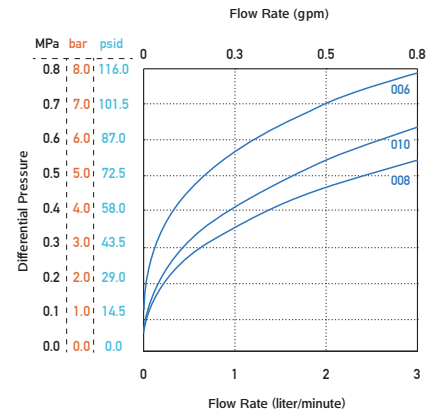
Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Fluid: CMC (1Pa · s, 20°C (68°F)) / Cartridge Length: 250mm



Fluid: CMC (10Pa · s, 20°C (68°F)) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)		
	006	008	010
0.6	>98.0		
0.8	>99.9	>99.9	
1.0			>99.9

Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ALUMINA+BOEHMITE (MPT-006)
 ACFTD + LATEX Beads (MPT-008 · 010)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-MPT-	0 0 8	V	7	F
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		006 = 0.6 μm 008 = 0.8 μm 010 = 1.0 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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