

Depth Pleated Filter

COSPA EDGE

Major Applications

- Various high-concentration dispersions
- Various high viscosity liquids, paste
- Resin dissolving liquid
- Food and beverages



Features

- Depth Pleated type filter with filtration grade slope
- Polypropylene filter media, molding parts
- No use of binder or surfactant
- Production with optimized manufacturing process

Advantages

- High flow rate filtration is possible for liquids with a wide particle size distribution.
- Wide range of fluid compatibility
- Low extractables risk
- Excellent cost performance

Specifications

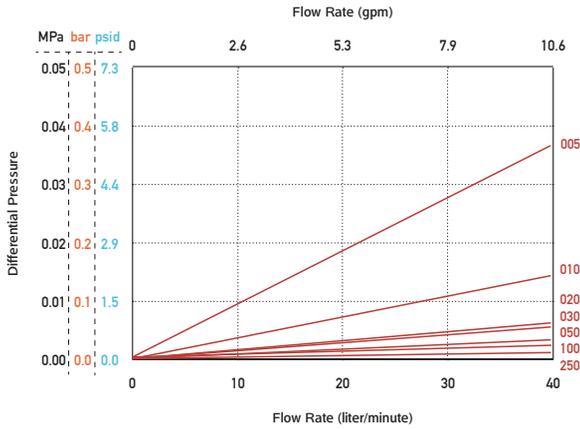
Grades	005	010	020	030	050	100	250
Micron Ratings (μm)	0.5	1.0	2.0	3.0	5.0	10	25
E.F.A.	0.23m ² /250mm						
Media	Polypropylene						
Materials Core/Cage/Support	Polypropylene						
End Cap	Polypropylene						
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)						
Maximum Operating Temp	80°C (176°F)						
Dimensions	Length	250/500/750 mm *0.5 μm: 250, 500mm only					
	O.D.	70.0mm					
	I.D.	25.6 (for 0, 5)/26.1 (for F)/29.5 (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)	005	010	020	030	050	100	250
0.5	>99.9						
1.0		>99.9					
2.0			>99.9				
3.0				>99.9			
5.0					>99.9		
10						>99.9	
25							>99.9

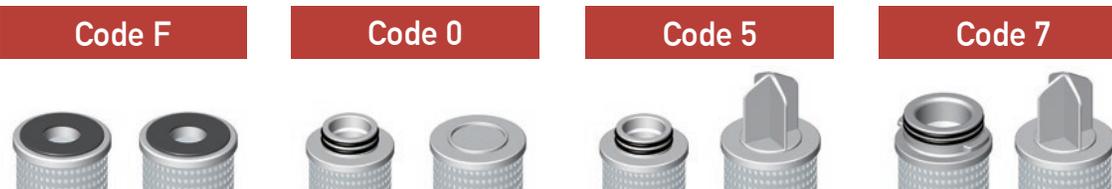
Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ALUMINA + BOEHMITE(E1P005)
 ACFTD + LATEX Beads(E1P010~250)

Ordering Information

Product Type	Media Material	Micron Rating	Length	O-Ring Code	End Cap Code
E1	P P = Polypropylene	005 005 = 0.5 μm *2 010 = 1.0 μm 020 = 2.0 μm 030 = 3.0 μm 050 = 5.0 μm 100 = 10 μm 250 = 25 μm *2 Only 250, 500mm	10 10 = 250mm 20 = 500mm 30 = 750mm	E E = EPDM S = Silicone V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin

End Cap Code



Box Quantities

Filter Length Code = Box QTY

10 = 24pcs/Box
 20 = 24pcs/Box
 30 = 12pcs/Box

*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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For our technical information, please click here.



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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MS CM009

6th Issue

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