



CILIA-CLEAN

HC Type

Major Applications

- Adhesive
- High viscosity liquids
- Other high solid content paste

Features

- Depth filter with direct flow structure
- Polypropylene / Polyethylene filter media, parts
- No use of binder or surfactant

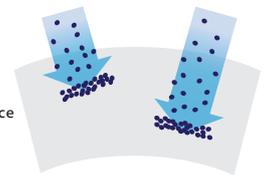
Advantages

- Excellent liquid permeability and filtration stability for high viscosity liquids
- Wide range of fluid compatibility
- Low extractables risk

Structure

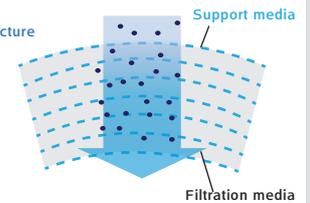
General depth filter

When a high viscosity liquid is flowed, the filtration layers are consolidated and a specific layer on the surface or inside the filter is intensively clogged.



Features of direct flow structure

Effective use of the entire filter by combining the filtration media and the support media.



Specifications

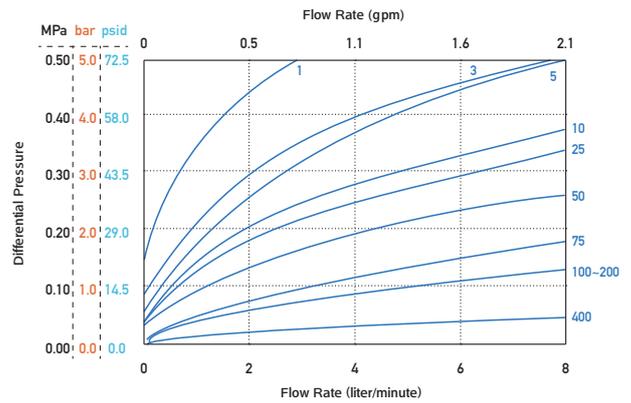
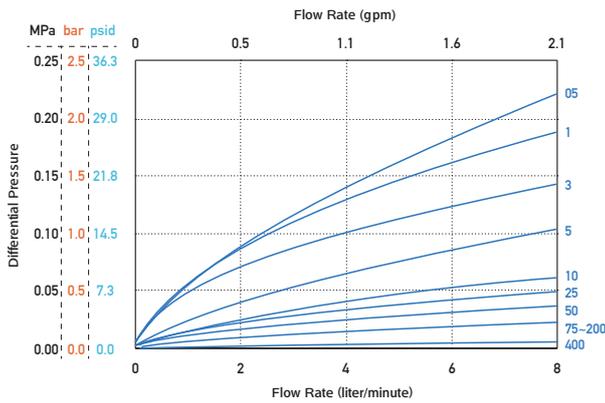
		05	1	3	5	10	25	50	75	100	150	200	400
Grades		05	1	3	5	10	25	50	75	100	150	200	400
Micron Ratings (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	200	400
Materials	Media	Polypropylene											
	Core/Support	Polypropylene											
	Cage	0.5~50 μm: Polypropylene (for 0, F) / 75~400 μm: Polyethylene (for 0, F)											
	End Cap	Polypropylene (for 0, F)											
	Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)											
	Maximum Operating Temp	60°C (140°F) *Standard specification / 80°C (176°F) *for 0, F											
Dimensions	Length	125 / 250 / 500 mm											
	O.D.	67.0 (Standard specification) / 70.0 (for 0, F) mm											
	I.D.	25.5 (Standard specification) / 25.6 (for 0) / 26.1 (for F) mm											

*If you need further information on specifications (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

Fluid: CMC (400mPa·s) / Cartridge Length: 250mm

Fluid: CMC (10Pa·s) / Cartridge Length: 250mm



Particle Removal Efficiency

Grades Particle Size (μm)	Particle Removal Efficiency (%)											
	05	1	3	5	10	25	50	75	100	150	200	400
3	>75											
5	>90	>90	>80									
10	>99.9	>99.9	>98	>90								
25			>99.9	>99.9	>98	>90	>80					
50					>99.9	>99.9	>99.9	>75				
75								>85	>75	>60		
100								>95	>90	>80	>70	
150								>99.9	>99.9	>94	>90	>60
200								>99.9	>99.9	>99.9	>75	

Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ACFTD+LATEX Beads (HC-05~10)
 Diatomaceous earth (HC-25·50)
 Polyester powder (HC-75~400)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
250 L	-HC-	100	E	F	C
125 = 125mm 250 = 250mm 500 = 500mm		05 = 0.5 μm 50 = 50 μm 1 = 1.0 μm 75 = 75 μm 3 = 3.0 μm 100 = 100 μm 5 = 5.0 μm 150 = 150 μm 10 = 10 μm 200 = 200 μm 25 = 25 μm 400 = 400 μm	Blank (Standard specification) Foamed Polyethylene Gasket E = EPDM V = FKM	F = Flat Gaskets 0 = 2-222 O-Ring	B = 6pcs C = 10pcs F = 25pcs

End Cap Code

Standard specification	Code F	Code 0

*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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