


CILIA-CLEAN

HCB Type

Major Applications

Electrode paste

Conductive aid dispersion

Others high solids content paste

Features

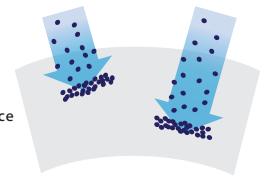
- Depth filter with direct flow structure
- Unique "direct flow structure" filter media for LIB electrode paste
- Polypropylene / Polyethylene filter media, parts
- No use of binder or surfactant

Advantages

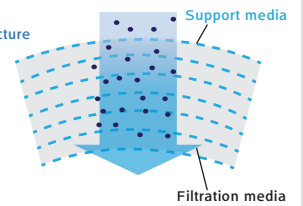
- Excellent liquid permeability and filtration stability for high viscosity liquids
- Rapid flow rate drop at the beginning of liquid flow is minimized.
- Wide range of liquid compatibility, no risk of metal contamination
- Low extractables risk

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

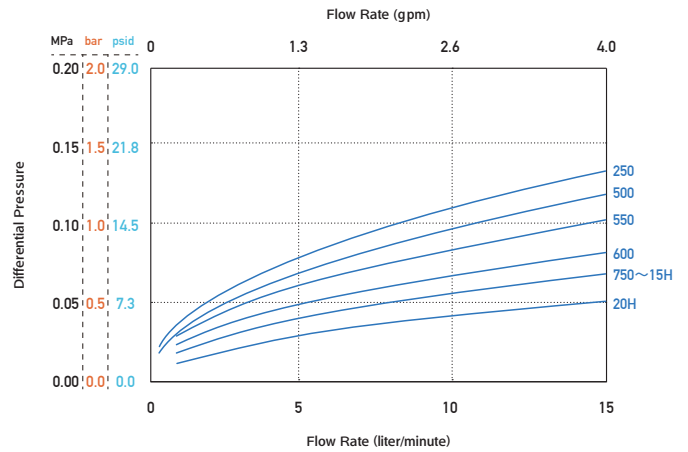
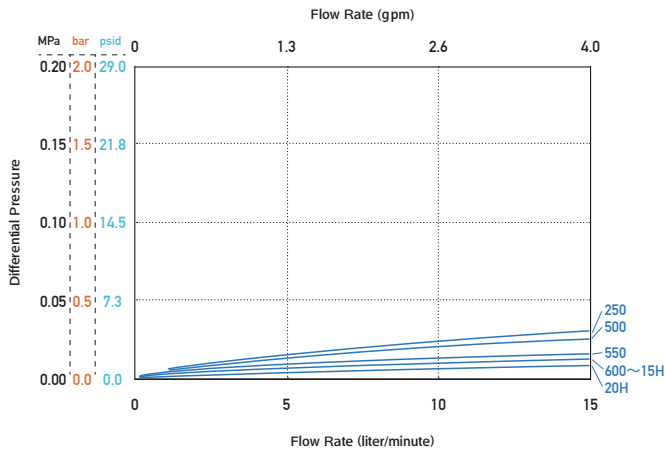
	250	500	550	600	750	10H	15H	20H
Grades	250	500	550	600	750	10H	15H	20H
Micron Ratings (μm)	25	50	55	60	75	100	150	200
Media	Polypropylene							
Core	Polypropylene							
Cage	Polyethylene							
End Cap	Polypropylene (for O, F)							
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)							
Maximum Operating Temp	60 °C (140°F) *for End Cap Code PZ only / 80 °C (176°F)							
Length	125 / 250 / 500 mm							
O.D.	70.0mm							
I. D.	25.5 (for PZ) / 25.6 (for O) / 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 (%)							
	250	500	550	600	750	10H	15H	20H
25	>98	>85	>80					
50	>99.9	>99	>95					
55			>98	>85				
60				>90	>70			
75				>95	>80	>75	>60	
100				>99.9	>90	>85	>70	>50
150					>99.9	>98	>90	>85
200						>99.9	>99.9	>99.9

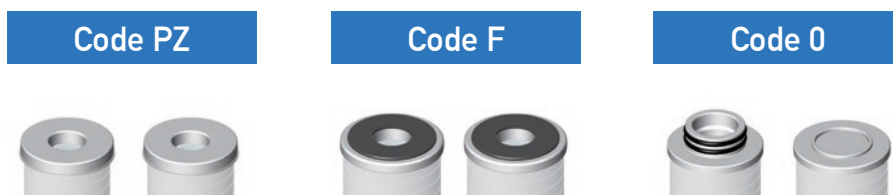
Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : Diatomaceous earth (HCB-250~600)
 Polyester powder (HCB-750~20H)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-HCB-	6 0 0	P	Z	C
125 = 125mm 250 = 250mm 500 = 500mm		250 = 25 μm 500 = 50 μm 550 = 55 μm 600 = 60 μm 750 = 75 μm 10H = 100 μm 15H = 150 μm 20H = 200 μm	P = Foamed Polyethylene E = EPDM V = FKM	Z = For P F = Flat Gaskets 0 = 2-222 O-Ring	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.



ISO 9001
 JOA-QMA16323

JAB
 MS
 CM009

17th Issue
 HCB200711E