


**CILIA-CLEAN**

# HCE Type

**Major Applications**

Electrode paste

Conductive aid dispersion

Others high solids content paste

**Features**

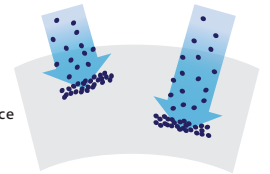
- Depth filter with direct flow structure
- Unique "direct flow structure" filter media for LIB electrode paste
- 100% Polypropylene
- No use of binder or surfactant

**Advantages**

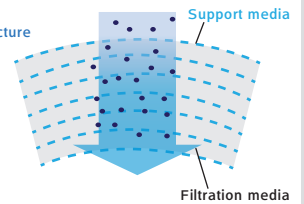
- Excellent liquid permeability and filtration stability for high viscosity liquids
- Rapid flow rate drop at the beginning of liquid flow is minimized.
- Wide range of liquid compatibility, no risk of metal contamination
- Low extractables risk

**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.

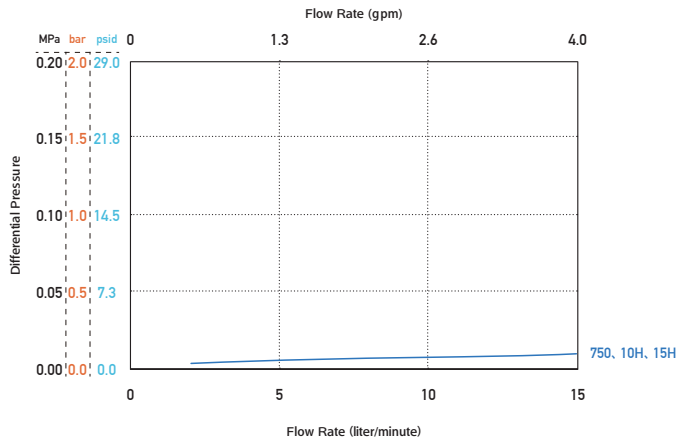

**Specifications**

Grades	750	10H	15H
	75	100	150
Materials	Media	Polypropylene	
	Core/Support	Polypropylene	
	Cage	Polypropylene	
	End Cap	Polypropylene (for 0, F)	
Maximum ΔP		0.49MPa at 20°C (71psi at 68°F)	
Maximum Operating Temp		60 (140°F) *for End Cap Code PZ only / 80 °C (176°F)	
Dimensions	Length	125 / 250 / 500 mm	
	O.D.	70.0mm	
	I. D.	25.5 (for PZ) / 25.6 (for 0) / 26.1 (for F) mm	

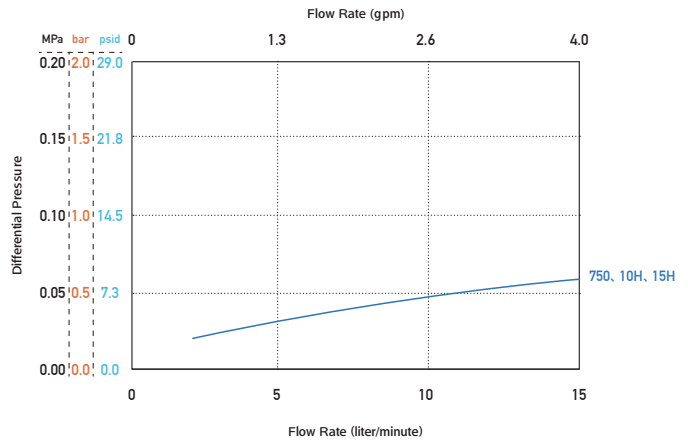
\*If you need further information on specifications (length, end cap type, etc.), please contact us.

## Differential Pressure vs Flow Rate

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



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



## Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)		
	75	100	150
50	> 65		
60	> 75		
75	> 85	> 75	> 70
100	> 90	> 90	> 80
150	> 99.9	> 98	> 95
200		> 99.9	> 99.9

### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : Polyester powder

## Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
250 L	-HCE-	750	P	Z	C
125 = 125mm 250 = 250mm 500 = 500mm		750 = 75 μm 10H = 100 μm 15H = 150 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

Code PZ



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.

# ROKI GROUP International Pte. Ltd.

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan  
 TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

www.rokiglobal.com

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.



JOA-QMA16323

MS CM009

2nd Issue  
HCE220601E