

HC Type


The HC cartridges are depth filters incorporated rigid supports materials to prevent the media deformation under high differential pressures, resulting in stable filtration. Free of binders and oils, which eliminate any extractables derived from them, thus the HC cartridges provide reliable filtration.

Features

- Incorporated rigid supports materials, which makes it possible to prevent the media deformation under high differential pressures. The HC cartridges provide stable removal efficiency and flow rates.
- Free of adhesive, surfactant and silicon, the HC cartridges provide reliable filtration of paints used for final products.
- Constructed of polypropylene, the HC cartridges provide excellent chemical compatibility characteristics and can be used in a wide range of liquids.

Major Applications

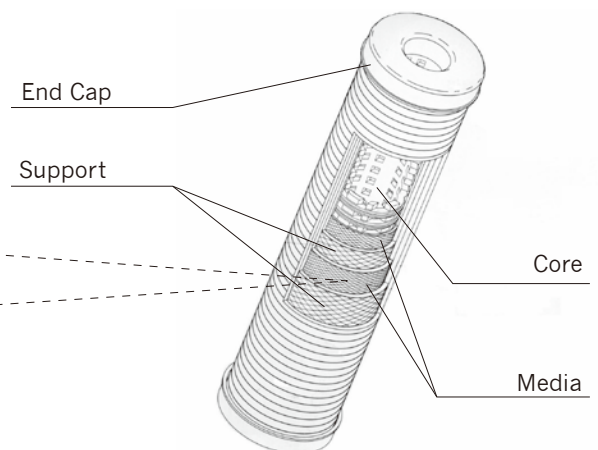
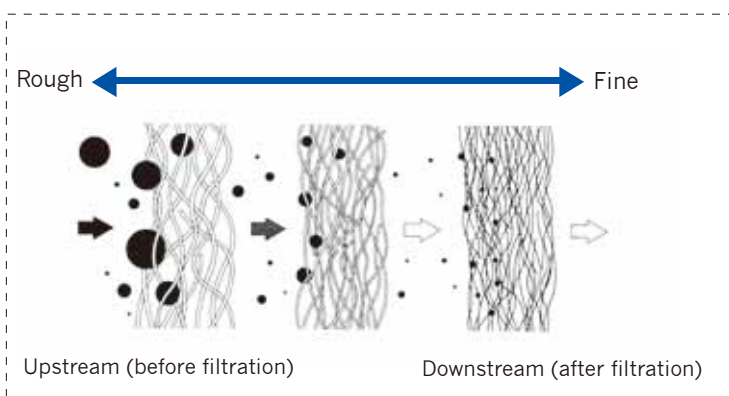
- High viscous liquids
- Various paints
- Various slurry
- Others



Ez-Change™
Capsule Filter Cartridge
This product can be installed in the Capsulate Filter "Ez-Change". Please refer to the Ez-Change catalog in detail.

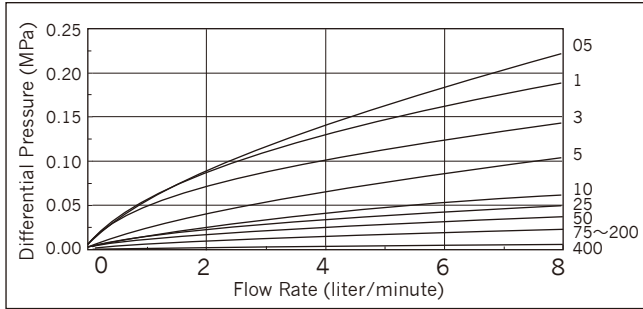
Materials of Construction

CILIA-CLEAN Filtration Mechanism (Graded Density Slope)



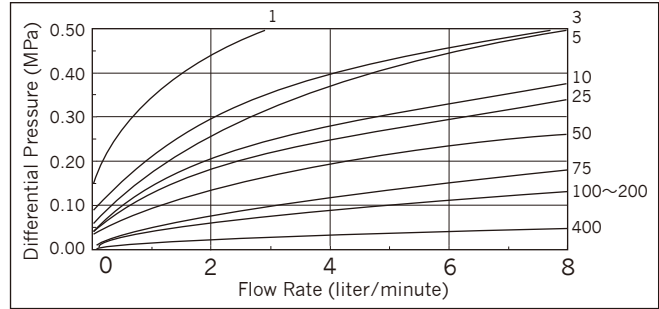
Differential Pressure vs Flow Rate

Fluid: CMC (400cP)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Fluid: CMC (10,000cP)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

Particle Removal Efficiency

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	>90					
75								>98	>90	>80			
100								>99.9	>98	>90	>80	>75	
150									>99.9	>99.9	>98	>90	
200											>99.9	>95	

<Test Condition>

Equipment: Particle Counter in Liquid
Filtration : Single Pass
Fluid : Refined Water
Flow Rate : 10 liter/minute
Dust : ACFTD+LATEX Beads
(HC-05~HC-10)
RADIOLITE800
(HC-25, HC-50)
Polyester powder
(HC-75~HC-400)

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Ordering Information

250	L-HC-	100	C
↓	↓	↓	↓
[Nominal Length] 125 = 125mm 250 = 250mm 500 = 500mm	[Product Type]	[Micron Rating] 05 = 0.5μm 50 = 50μm 1 = 1.0μm 75 = 75μm 3 = 3.0μm 100 = 100μm 5 = 5.0μm 150 = 150μm 10 = 10μm 200 = 200μm 25 = 25μm 400 = 400μm	[Packaging Code] B = 6pcs C = 10pcs F = 25pcs

Specification

Product Type		HC											
Grade		05	1	3	5	10	25	50	75	100	150	200	400
Micron Rating (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	200	400
Dimensions	Length (mm)	125 / 250 / 500											
	O.D. (mm)	67.0											
	I. D. (mm)	27.0											
Materials Media	Media	Polypropylene											
	Core	Polypropylene											
	Support	Polypropylene											
	End Cap	Foamed Polyethylene											
	Gasket/O-Ring	-											
Maximum ΔP (MPa) at 20°C		0.49											
Maximum Operating Temp. (°C)		60											

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

End Cap Code



*The contents of the catalog is subject to change without notice.