

SHP Type (Glass Fiber Media)

The SHP cartridges are the combination type filters equipped with the features of both pleated and depth cartridges. The SHP cartridges are exclusively designed for the filtration of liquids with high viscosity and high solid contents. Glass fibers as main media are used, which shows high performance for removal of sub-micron particles and soft contaminants such as gels.

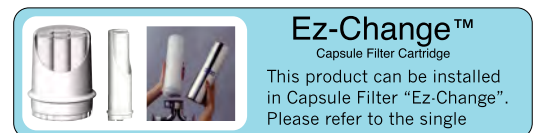
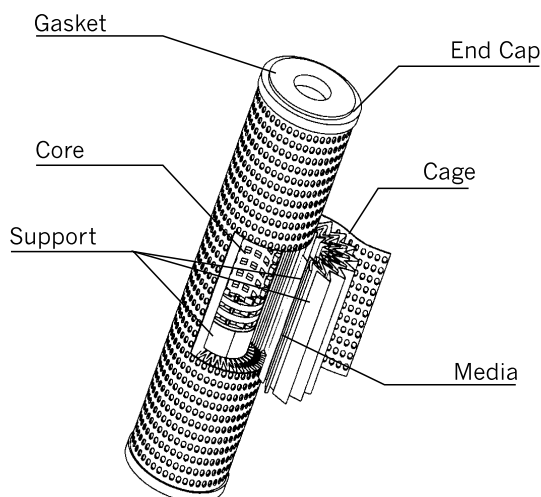
Features

- Because the media is reinforced with a rigid net support material (polyolefin), the SHP cartridges provide stable filtration of high viscous liquids and high solid contents under low differential pressure without the media deformation.
- Equipped with the features of both thick media in depth construction and a large surface area in pleated construction, the SHP cartridges provide longer service life, resulting in initial cost or running cost reduction.

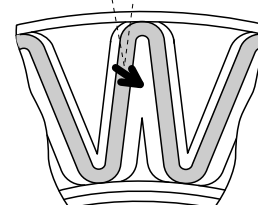
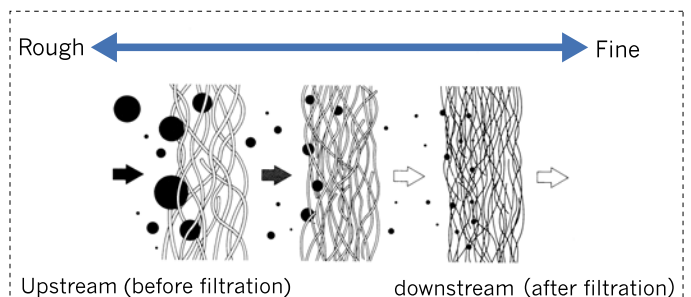
Major Applications

- Slurry with high solid contents
- Soft contaminants such as gel-like substances
- High-performance paints and pigment resists
- Others

Materials of Construction

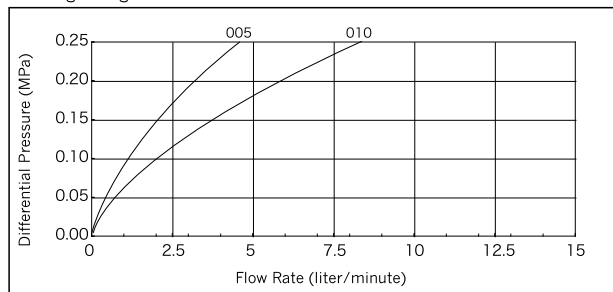


SLOPE-PURE Filtration Mechanism (Graded Density Slope)



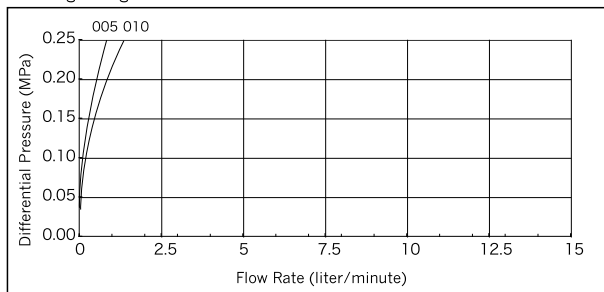
Differential Pressure vs Flow Rate

Fluid: CMC(400cP, 20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Fluid: CMC(1000cP, 20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)	
	SHP-005	SHP-010
0.5	>99.9	>95
1.0	>99.9	>99.9

<Test Condition>

Equipment: Hiac Royco Particle Counter
Model 8000A/8000S

Filtration : One Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : ACFTD+Latex Beads

Specification

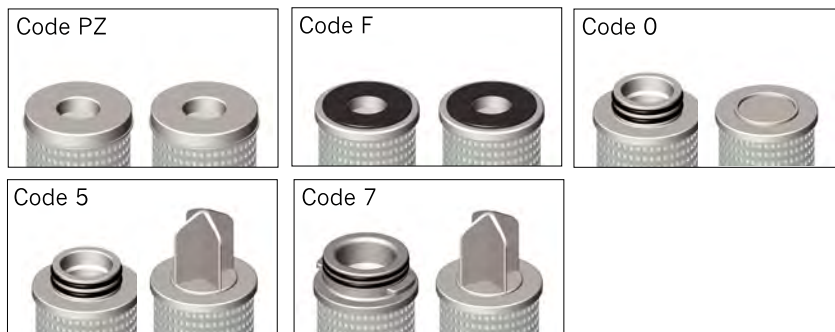
Product Type		SHP	
Grade		005	010
Micron Rating (μm)		0.5	1.0
E.F.A. (ml/250L)		0.20	0.20
Dimensions	Length (mm)	125 / 250 / 500 / 750	
	O.D. (mm)	70.0	
	I. D. (mm)	27.0(for PZ) / 26.1(for F) / 25.6(for 0, 5) / 29.5(for 7)	
Materials Media	Media	Resin bonded Glass Fiber	
	Support	Polyolefin	
	Core	Polypropylene	
	Cage	Polypropylene	
	End Cap	Polypropylene (for F,0,5,7) / Foamed Polyethylene (for PZ)	
	Gasket/O-Ring	Silicone / EPDM / NBR / FKM / FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)	
	Maximum ΔP (MPa)at 20°C	0.49	
	Maximum Operating Temp.(°C)	80 / 60 (only PZ)	

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

Ordering Information

250	L	-SHP-	010	E	F	B
↓		↓	↓	↓	↓	↓
[Nominal Length] 125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		[Product Type]	[Micron Rating] 005 = 0.5 μm 010 = 1.0 μm	[Gasket/O-ring] P = Foamed Polyethylene S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	[End Cap Code] Z = only for P gasket. F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring+Fin 7 = 2-226 O-Ring+Fin	[Packaging Code] B = 6pcs C = 10pcs F = 25pcs

End Cap Code



The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



ISO9001:2000
REG.No.JSAQ1436
QA Accreditation R001
Scope: Manufacture of Filter cartridges