

SHD Type

(For high viscosity & high solid content liquid)
(Polypropylene & Glass fiber media)

Major Applications

- Micro separation for high solid content slurry and filtration for gel-like substances
- Micro separation for functional paints and pigment resist, and filtration for gel-like substances
- Others

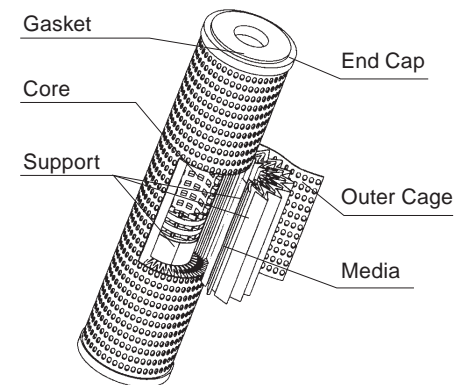
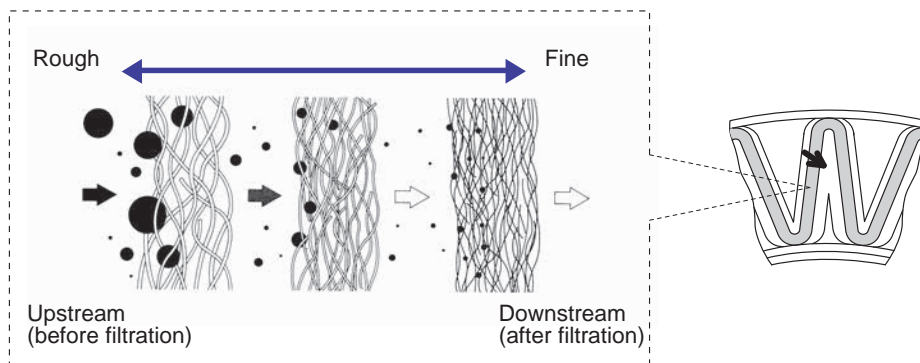


Features & Benefits

- **Optimal for high viscosity liquids and high concentrated slurries**
 - Filter media reinforced with strong support material, thus filtration is stable even for high viscosity liquid.
 - Graded-density structure in depth pleated media is used for wide particle size distribution liquid at high flow rate.
- **Excellent chemical resistance**
- **Low extractables**
 - Since binders or surfactants are not used in filter, extractables are extremely low.

Materials of Construction

SLOPE-PURE Filtration Mechanism (Graded Density Slope)

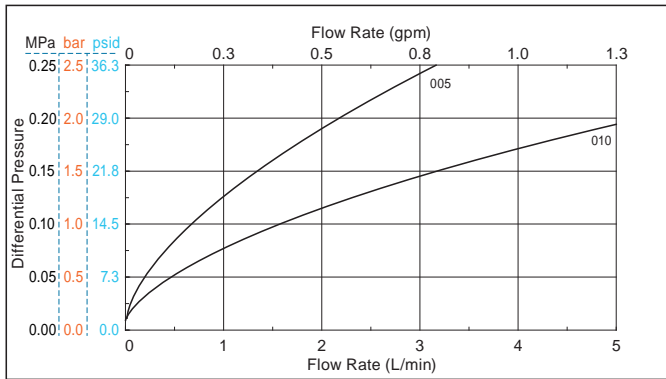


Specification

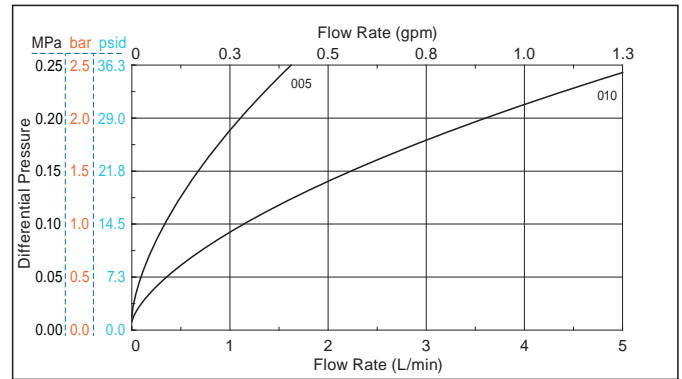
Product Type		SHD	
Micron Rating (µm)		0.5	1.0
E.F.A. (m ² / 250mm)		0.22	
Dimensions	O.D. (mm)	70.0	
	I.D. (mm)	27.0 (for PZ) / 26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)	
Materials	Media	Resin bonded Glass Fiber, Polypropylene	
	Support	Polyolefin	
	Core, Outer Cage	Polypropylene	
	End Cap	Polypropylene (for F, 0, 5, 7) / Foamed Polyethylene (for PZ)	
Maximum ΔP at 20°C (68°F)		0.49MPa (4.9bar, 71psid)	
Maximum Operating Temp.		80°C (176°F) / 60°C (140°F) (only PZ)	

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

Flow Rate



Fluid: CMC (400cP) Cartridge Length: 250mm
* The data does not include piping pressure drop.



Fluid: CMC (1,000cP) Cartridge Length: 250mm
* The data do not include piping pressure drop.

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

Particle Removal Efficiency

Particle Size (µm)	Particle Removal Efficiency (%)	
	005	010
0.5	>98.0	
1.0		>99.9

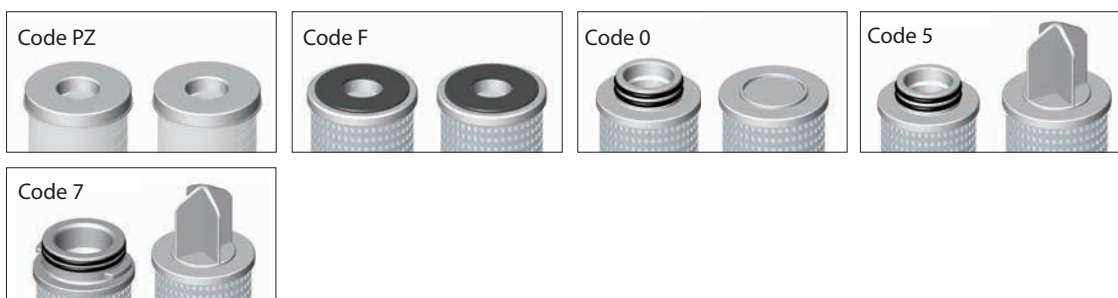
<Test Condition>
Equipment: Particle Counter in Liquid
Filtration : Single Pass
Fluid : Refined Water
Flow Rate : 10 liter/minute
Dust : ACFTD+Latex Beads

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

Ordering Information

2 5 0	L-SHD-	0 1 0	E	F	B
↓	↓	↓	↓	↓	↓
[Nominal Length]	[Product Type]	[Micron Rating]	[Gasket/O-Ring]	[End Cap Code]	[Packaging Code]
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		005 = 0.5µm 010 = 1.0µm	P = Foamed Polyethylene S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	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	B = 6pcs C = 10pcs F = 25pcs

End Cap Code



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.

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