



SLOPE-PURE

# SHPH Type

## Major Applications

Various high-concentration dispersions

Various high viscosity liquids, paste

Resin dissolving liquid

Adhesives

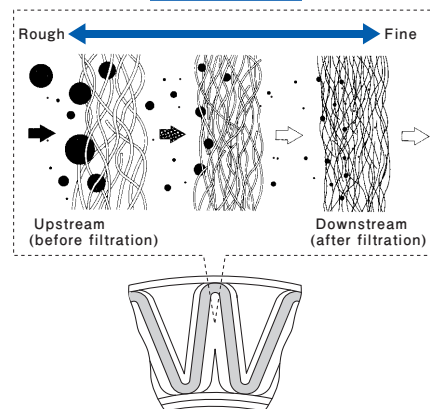
### Features

- High rigid support media
- Depth pleated structure with wide filtration grade slope
- Polypropylene /Polyethylene filter media, molding parts
- No use of binder or surfactant

### Advantages

- Excellent differential pressure vs. flow rate for high viscosity liquids
- High flow rate filtration is possible for liquids with a wide particle size distribution.
- Wide range of fluid compatibility
- Low extractables risk

### Structure



## Specifications

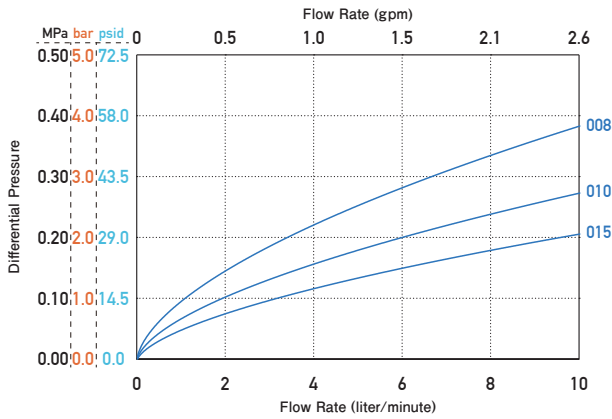
	008	010	015
Grades	008	010	015
Micron Ratings ( $\mu\text{m}$ )	0.8	1.0	1.5
E.F.A. ( $\text{m}^2/250\text{mm}$ )	0.20	0.20	0.18
Media	Polypropylene		
Materials	Polypropylene		
Core/Cage	Polypropylene, Polyethylene		
Support	Polypropylene (for F, 0, 5, 7)		
End Cap	Polypropylene (for F, 0, 5, 7)		
Maximum $\Delta\text{P}$	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 / 750 mm		
Dimensions	O.D. 70.0mm		
	I.D. 25.5 (for PZ) / 25.6 (for 0, 5) / 26.1 (for F) / 29.5 (for 7) mm		
Adaptable Food Sanitation Standard	All raw materials meet the requirement of FDA 21 CFR *1		

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

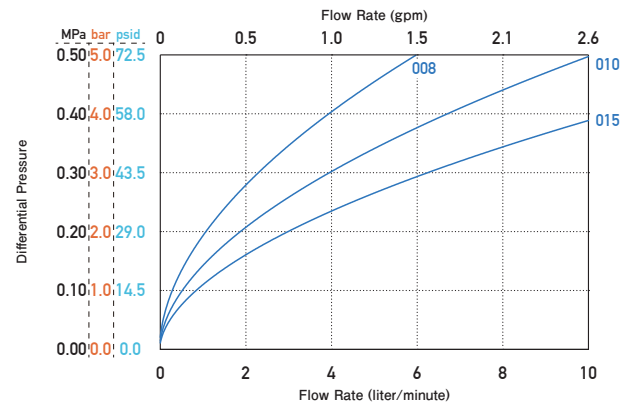
\*1 Applicable Gaskets and O-ring materials exclude EPDM.

## Differential Pressure vs Flow Rate

Fluid: CMC (400mPa-s at 20°C (68°F)) / Cartridge Length: 250mm



Fluid: CMC (1Pa-s at 20°C (68°F)) / Cartridge Length: 250mm



## Particle Removal Efficiency

Grades	Particle Removal Efficiency (%)		
	008	010	015
0.8	>99		
1.0	>99.9	>99	
1.5		>99.9	>99
2.5			>99.9

### Test Conditions

Equipment : Particle Counter in Liquid  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD+LATEX Beads

## Ordering Information

Nominal Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
<b>250 L</b>	<b>-SHPH-</b>	<b>008</b>	<b>E</b>	<b>F</b>	<b>B</b>
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		008 = 0.8μm 010 = 1.0μm 015 = 1.5μm	P = Foamed polyethylene S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	Z = For P 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



\*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.