
SLOPE-PURE

SHPH Type

Major Applications

Various high-concentration dispersions

Various high viscosity liquids, paste

Resin dissolving liquid

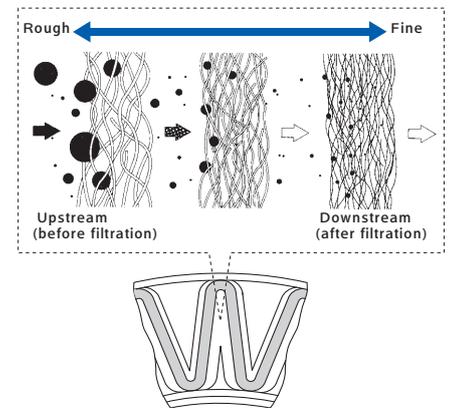
Adhesives

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

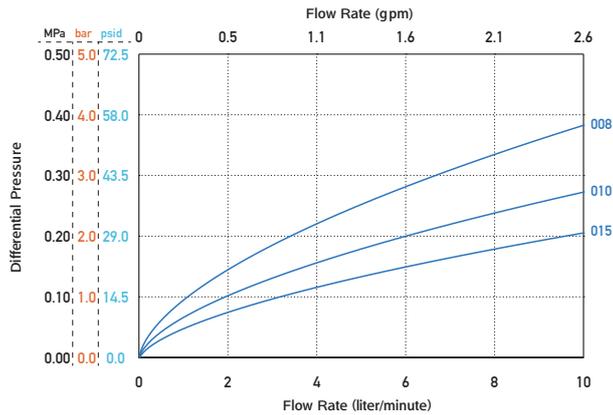
	008	010	015
Grades	008	010	015
Micron Ratings (μm)	0.8	1.0	1.5
E.F.A. ($\text{m}^2/250\text{m}$)	0.20	0.20	0.18
Media	Polypropylene		
Core/Cage	Polypropylene		
Support	Polypropylene, Polyethylene		
End Cap	Polypropylene (for F, 0, 5, 7)		
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)		
Maximum Operating 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.

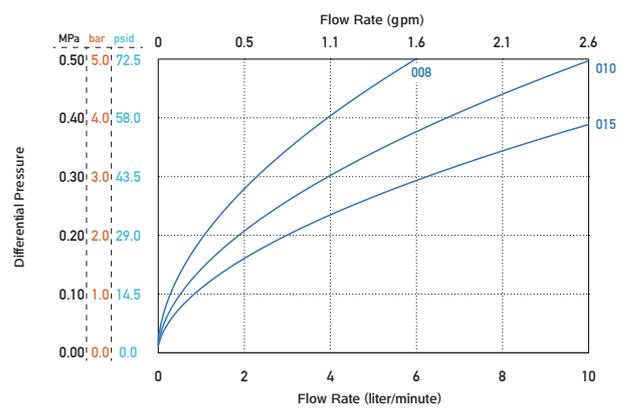
*1 Applicable Gaskets and O-ring materials exclude EPDM.

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
Particle Size (μm)			
0.8	>99		
1.0	>99.9	>99	
1.5		>99.9	>99
2.5			>99.9

Test Conditions

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

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-SHPH-	0 0 8	E	F	B
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		008 = 0.8 μm 010 = 1.0 μm 015 = 1.5 μm	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.

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For our technical information, please click here. ▼



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.



5th Issue
SHPH200901E