

SLF Type

The SLF type SLURRY FINE filter cartridges are innovative depth filters developed using our unique media composition and winding technology. Featuring filters exclusively designed for the classifying filtration of liquids with high solid content, SLF cartridges offer stable filtration, high flow rates, and long service life.

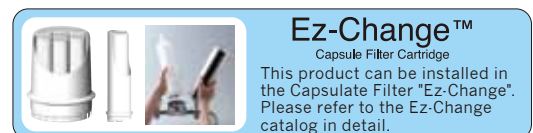
Features

- Our unique filter design technology provides stable removal efficiency and excellent classifying filtration.
- 1) Effective use of the entire filter layer prevents rapid clogging caused by captured particles such as agglomeration, thus ensuring stable filtration and long service life.
- 2) The performance stabilization layer prevents captured particles from passing through to downstream even under an unstable condition in pressure.
- Super-fine filtration media with high porosity delivers lower pressure drop and higher flow rates.



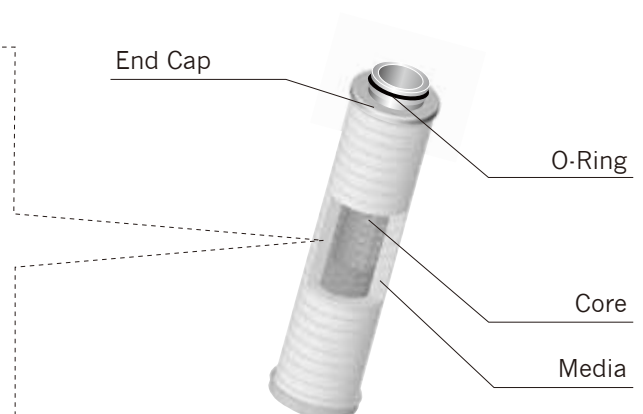
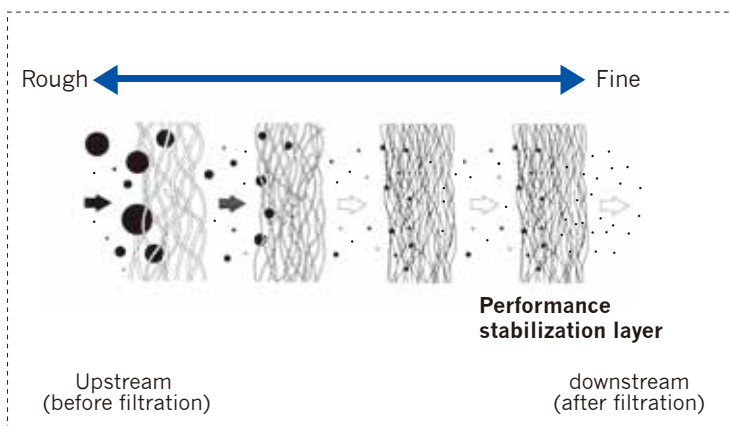
Major Applications

- Classifying filtration for liquids with high solid content (CMP slurry / high grade polishing agent, resist with pigment)
- Classifying filtration of functional inks



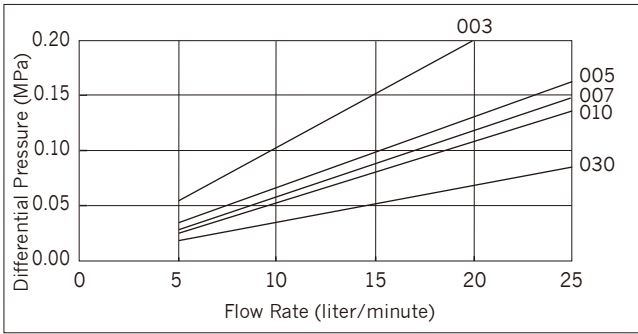
Materials of Construction

SLURRY FINE Filtration Mechanism



Differential Pressure vs Flow Rate

Fluid: Refined Water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)				
	003	005	007	010	030
0.3	>99.9				
0.5		>99.9			
0.7			>99.9		
1.0				>99.9	
3.0					>99.9

<Test Conditions>

Equipment: Particle Counter in Liquid

Filtration : Single Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : Alumina

(ACFTD+Latex Beads for the grade from and after SLF-007)

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

Ordering Information

250 L - SLF - 003

[Nominal Length]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[Product Type]

[Micron Rating]
003=0.3μm
005=0.5μm
007=0.7μm
010=1.0μm
030=3.0μm

[Gasket/O-Ring]
C = No sealing
P = Foamed polyethylene
S = Silicone
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM

[End Cap Code]
Z = For P and C
T = 1-222 O-Ring

[Packaging Code]
B = 6 pcs
C = 10 pcs
F = 25 pcs

Specification

Product Type		SLF				
Grade		003	005	007	010	030
Micron Rating (μm)		0.3	0.5	0.7	1.0	3.0
Dimensions	Length (mm)	125 / 250 / 500 / 750				
	O.D. (mm)	62.0 (CZ) / 66.0 (PZ) / 64.0 (T)				
	I.D. (mm)	29.5 (CZ) / 27.0 (PZ) / 25.6 (T)				
Materials	Media	Polypropylene				
	Core	Polypropylene				
	End Cap	Foamed polyethylene (for PZ) / Polypropylene (for T)				
	O-Ring	Silicone/EPDM/NBR/FKM/FEP Encapsulated FKM				
Maximum ΔP (MPa) at 20°C		0.49				
Maximum Operating Temp. (°C)		80 / 60 (only P)				
Adaptable Food Sanitation Standard		FDA 21 CFR				

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

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



Scope: Manufacture of Filter cartridges

End Cap Code



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