

SLS Type


The SLS cartridges are non-woven polypropylene wrapped depth filters capable of high removal efficiency due to the fact that super extra-fine fiber produced from the state-of-the-art technology is used. The SLS cartridges provide higher flow rates and longer service life because of high void volume and ideal graded density slope.

Features

- With the construction of ideal density slope, the SLS cartridges provide longer service life for the filtration of liquids with a wide particle distribution.
- No binders or surfactants are used in the manufacturing process, which provides low extractables and wide chemical compatibility.
- Combining fine fiber continuously with coarse fiber to keep high void volume, the SLS cartridges provide excellent flow rates and dirt holding capacity.

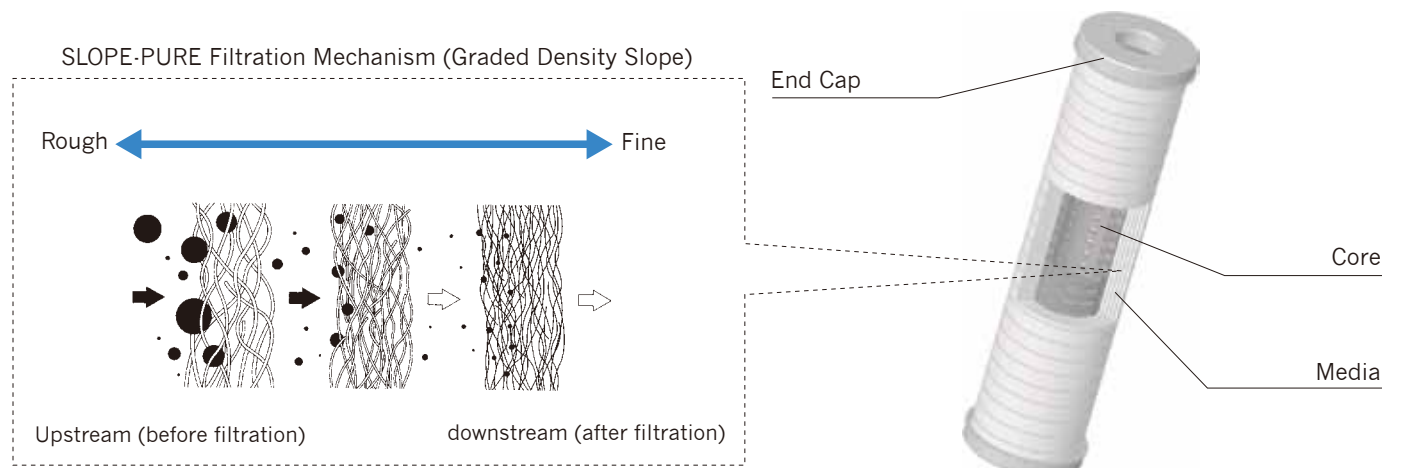
Major Applications

- Fine Chemicals and Chemical solutions
- General water for industrial use and make-up water
- Low viscous paints
- Others



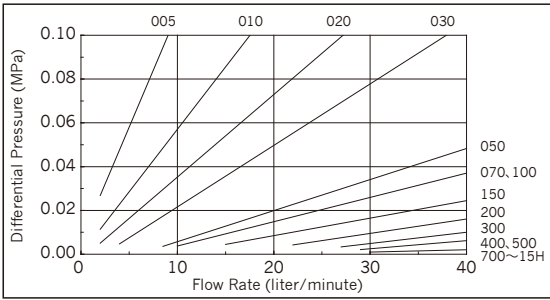
Ez-Change™
Capsule Filter Cartridge
This product can be installed in the Capsulate Filter "Ez-Change". Please refer to the Ez-Change catalog in detail.

Materials of Construction



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 (%)															
	005	010	020	030	050	070	100	150	200	300	400	500	700	900	12H	15H
0.5	>98															
1.0	>99.9	>99.9	>98													
2.0			>99.9	>98												
3.0				>99.9	>99.9	>98										
5.0					>99.9	>98										
7.0						>99.9	>99.9	>98								
10.0								>99.9	>98							
15.0										>98						
20.0										>99.9	>99.9	>98				
30.0												>99.9	>98			
50.0													>99.9	>98	>98	
70.0														>99.9		>98
90.0															>99.9	>99.9

<Test Condition>

Equipment: Particle Counter in Liquid
Filtration : Single Pass
Fluid : Refined Water

Flow Rate : 10 liter/minute
Dust : ACFTD+Latex Beads
(Radiolite #800 for the grade from and after SLS-300)

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

Ordering Information

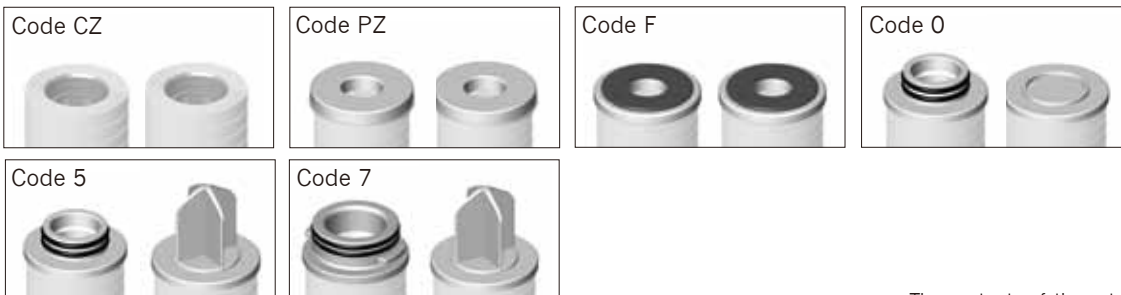
250	L-SLS-	100	P	Z	F
[Nominal Length]	[Product Type]	[Micron Rating]	[Gasket/O-Ring]	[End Cap Code]	[Packaging Code]
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		005 = 0.5μm 200 = 20μm 010 = 1.0μm 300 = 30μm 020 = 2.0μm 400 = 40μm 030 = 3.0μm 500 = 50μm 050 = 5.0μm 700 = 70μm 070 = 7.0μm 900 = 90μm 100 = 10μm 12H = 120μm 150 = 15μm 15H = 150μm	C = No Sealing 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 and C 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

Specification

Product Type		SLS															
Grade		005	010	020	030	050	070	100	150	200	300	400	500	700	900	12H	15H
Micron Rating (μm)		0.5	1.0	2.0	3.0	5.0	7.0	10	15	20	30	40	50	70	90	120	150
Dimensions	Length (mm)	125 / 250 / 500 / 750															
	O.D. (mm)	70.0 (for PZ, F, 0, 5, 7) / 66.0 (for CZ)															
	I. D. (mm)	27.0 (for PZ) / 26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for CZ, 7)															
Materials Media	Media	Polypropylene															
	Core	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)															
Adaptable Food Sanitation Standard		FDA 21CFR															

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

End Cap Code



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



Scope: Manufacture of Filter cartridges

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