



## SLOPE-PURE

# SLS Type

### Major Applications

- Pigment-based inkjet ink
- Various high-concentration dispersions
- Industrial water, Pure water
- Chemicals
- Beverages

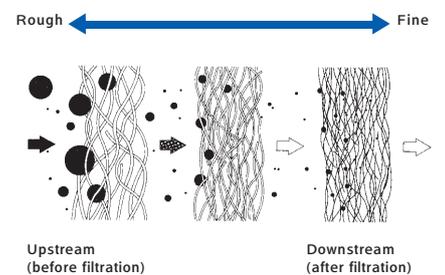
### Features

- Depth filter structure with wide filtration grade slope
- Variety of micron ratings
- 100% Polypropylene
- No use of binder or surfactant

### Advantages

- Long service life for high-concentration dispersion with a wide particle size distribution
- Optimal micron ratings selection according to the purpose
- Wide range of fluid compatibility
- Low extractables risk

### Structure



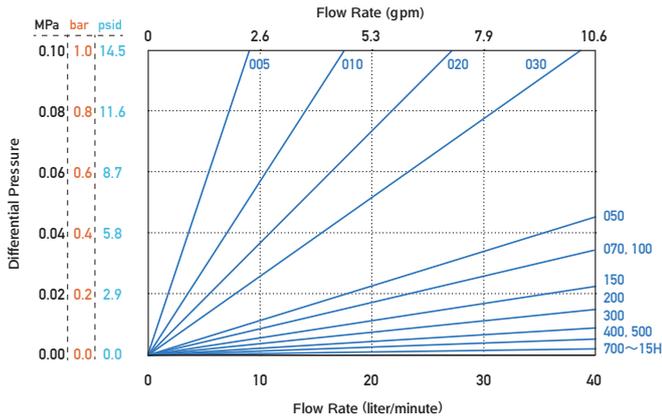
## Specifications

Grades	005	010	020	030	050	070	100	150	200	300	400	500	700	900	12H	15H
Micron Ratings (μm)	0.5	1.0	2.0	3.0	5.0	7.0	10	15	20	30	40	50	70	90	120	150
Media	Polypropylene															
Materials Core	Polypropylene															
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. 66.0 (for CZ) / 70.0 (for PZ, F, 0, 5, 7) mm															
	I.D. 25.5 (for PZ) / 25.6 (for 0, 5) / 26.1 (for F) / 29.5 (for CZ, 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: Refined Water 20°C (68°F) / Cartridge Length: 250mm



## Particle Removal Efficiency

Grades	Particle Removal Efficiency (%)															
Particle Size (μm)	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							> 99.9	> 98								
15									> 98							
20								> 99.9	> 99.9	> 98						
30										> 99.9	> 98					
50											> 99.9	> 98	> 98			
70												> 99.9			> 98	
90													> 99.9	> 99.9		

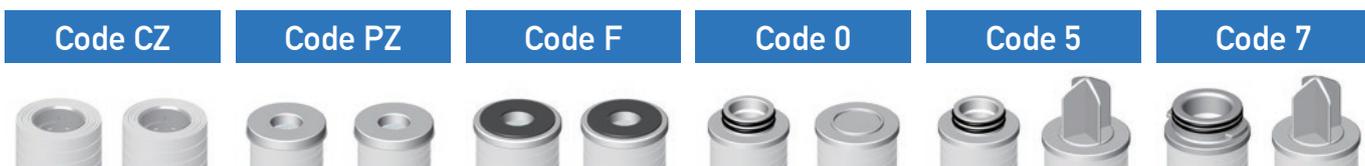
### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD + LATEX Beads (SLS-005~400)  
 Diatomaceous earth (SLS-500~15H)

## Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
<b>2 5 0 L</b>	<b>-SLS-</b>	<b>1 0 0</b>	<b>P</b>	<b>Z</b>	<b>F</b>
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		005 = 0.5 μm    200 = 20 μm 010 = 1.0 μm    300 = 30 μm 020 = 2.0 μm    400 = 40 μm 030 = 3.0 μm    500 = 50 μm 050 = 5.0 μm    700 = 70 μm 070 = 7.0 μm    900 = 90 μm 100 = 10 μm    12H = 120 μm 150 = 15 μm    15H = 150 μm	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

## 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.

**ROKITECHNO MIRAI CO., LTD.**

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan

TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

www.rokitechno.com

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.



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