


SLOPE-PURE

SL Type

Major Applications

Clarification and filtration of food and beverages

Example: Soft drinks, Seasoning, Water for manufacturing process

Quality standards

- Adaptable Food Sanitation Standard
 - FDA 21 CFR*
 - *Applicable Gaskets and O-ring materials exclude EPDM.
- Traceability by lot number

Features

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

Advantages

- Long service life even for liquids with a wide range of particle size distributions
- Wide range of fluid compatibility
- Low extractables risk
- Optimal micron ratings selection according to the purpose

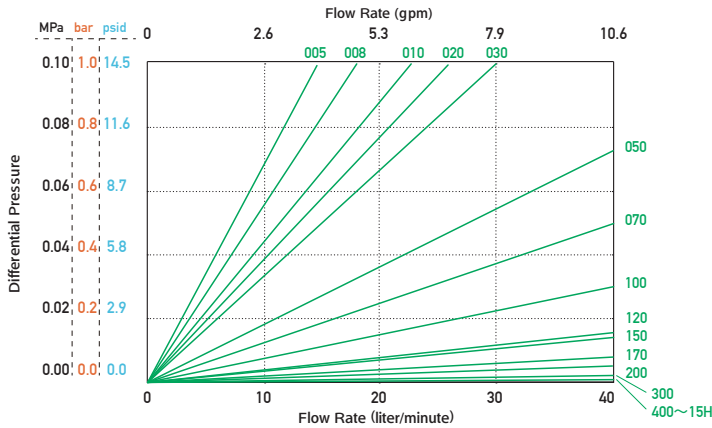
Specifications

	005	008	010	020	030	050	070	100	120	150	170	200	300	400	500	700	900	12H	15H	
Grades	005	008	010	020	030	050	070	100	120	150	170	200	300	400	500	700	900	12H	15H	
Micron Ratings (μm)	0.5	0.8	1.0	2.0	3.0	5.0	7.0	10	12	15	17	20	30	40	50	70	90	120	150	
Media	Polypropylene																			
Core	Polypropylene																			
Cage	None *Standard specification / Polypropylene *for F. 3, 4, 7																			
End Cap	Foamed polyethylene *Standard specification / Polypropylene *for F. 3, 4, 7																			
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)																			
Maximum Operating Temp	60°C (140°F) *Standard specification / 80°C (176°F) *for F. 3, 4, 7																			
Length	125 / 250 / 500 / 750 / 1000 mm																			
O.D.	67.0mm *Standard specification / 70.0mm *for F. 3, 4, 7																			
I. D.	25.5 (Standard specification) / 26.1 (for F) / 26.9 (for 3, 4) / 29.5 (for 7) mm																			

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

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)																						
	005	008	010	020	030	050	070	100	120	150	170	200	300	400	500	700	900	12H	15H				
0.5	>98																						
0.8	>99.9																						
1.0		>98	>98																				
2.0		>99.9	>99.9	>98																			
3.0				>99.9	>99.9	>98	>98																
5.0						>99.9	>99.9	>98															
7.0								>99.9	>98	>98													
10									>99.9	>99.9	>98												
12											>98												
15												>99.9											
17													>99.9	>98									
20															>98								
30														>99.9	>98	>98							
40															>99.9	>99.9	>98	>90					
50																	>99.9		>90				
70																				>90			
90																					>99.9		
																						>98	
																							>95

Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ACFTD + LATEX Beads (SL-005~200)
 Diatomaceous Earth (SL-300~15H)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0	L -SL-	0 5 0	N	F	F
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm 1000 = 1000mm		005 = 0.5 μm 070 = 7.0 μm 300 = 30 μm 008 = 0.8 μm 100 = 10 μm 400 = 40 μm 010 = 1.0 μm 120 = 12 μm 500 = 50 μm 020 = 2.0 μm 150 = 15 μm 700 = 70 μm 030 = 3.0 μm 170 = 17 μm 900 = 90 μm 050 = 5.0 μm 200 = 20 μm 12H = 120 μm 15H = 150 μm	Blank (standard specification) Foamed polyethylene gasket S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F = Flat Gaskets 3 = 2-222 O-Ring + Fin 4 = 2-222 O-Ring 7 = 2-226 O-Ring + Fin	B = 6pcs C = 10pcs F = 25pcs

End Cap Code

Standard specification	Code F	Code 3	Code 4	Code 7
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*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.

ROKI GROUP International Pte. Ltd.

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan
 TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

www.rokiglobal.com

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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