



SLOPE-PURE

SLP Type

Major Applications

Clarification filtration for beverages

Example:

Soft drinks, Beer, Food ingredients,
General water for industrial use and
water for beverages

Quality standards

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

Features

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

Advantages

- Long service life
- High flow rate with a small number of filters
- Wide range of fluid compatibility
- Low extractables risk
- Optimal micron ratings selection according to the purpose

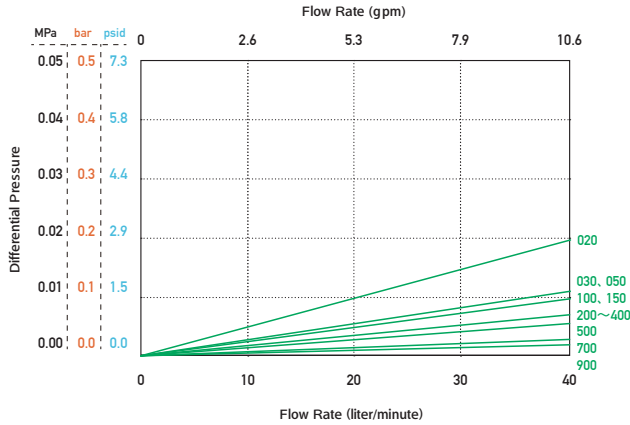
Specifications

Grades	020	030	050	100	150	200	300	400	500	700	900
Micron Ratings (μm)	2.0	3.0	5.0	10	15	20	30	40	50	70	90
E.F.A. ($\text{m}^2/250\text{mm}$)	0.28	0.26	0.24	0.25	0.22	0.20	0.22	0.22	0.22	0.22	0.22
Media	Polypropylene										
Materials Core/Cage/Support	Polypropylene										
End Cap	Polypropylene / Foamed Polyethylene *for Gasket P only										
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)										
Dimensions Length	125 / 250 / 500 / 750 mm										
O.D.	70.0mm										
I.D.	25.5 (for PZ) / 26.1 (for F) / 26.9 (for 3, 4) / 29.5 (for 7)mm										

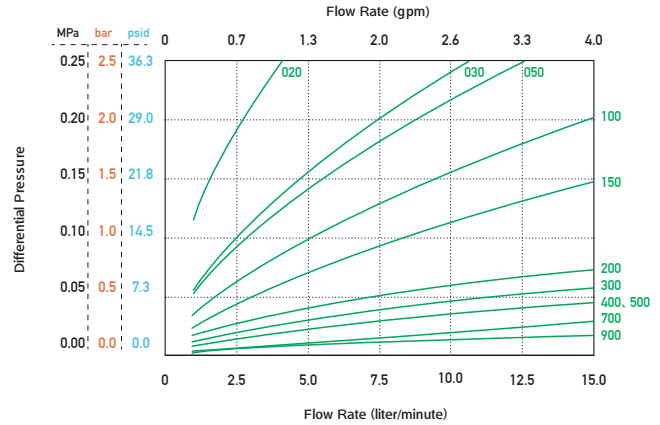
*If you need further information on specifications (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

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



Fluid: CMC (400mPa·s) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)												
	020	030	050	100	150	200	300	400	500	700	900		
2.0	>99.9	>99.9											
3.0			>99.9	>98									
5.0				>99.9	>98								
10					>99.9								
15						>98							
20							>99.9	>98					
30								>99.9	>98				
40									>99.9	>98			
50										>99.9			
70											>98		
90												>99.9	>98

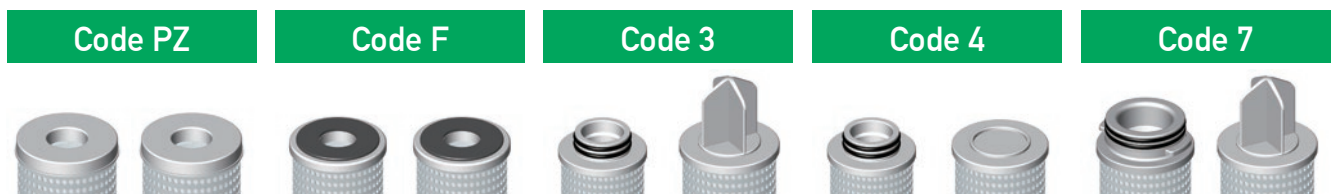
Test Conditions

- Equipment : Liquid Particle Counter
- Filtration : Single Pass
- Fluid : Refined Water
- Flow Rate : 10 liter/minute
- Dust : ACFTD + LATEX Beads (SLP-020~400)
Diatomaceous earth (SLP-500~900)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-SLP-	0 2 0	S	7	C
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		020 = 2.0 μm 300 = 30 μm 030 = 3.0 μm 400 = 40 μm 050 = 5.0 μm 500 = 50 μm 100 = 10 μm 700 = 70 μm 150 = 15 μm 900 = 90 μm 200 = 20 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 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



* 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.



JQA-QMA16323

MS CM009

24th Issue
SLP210334LE