



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

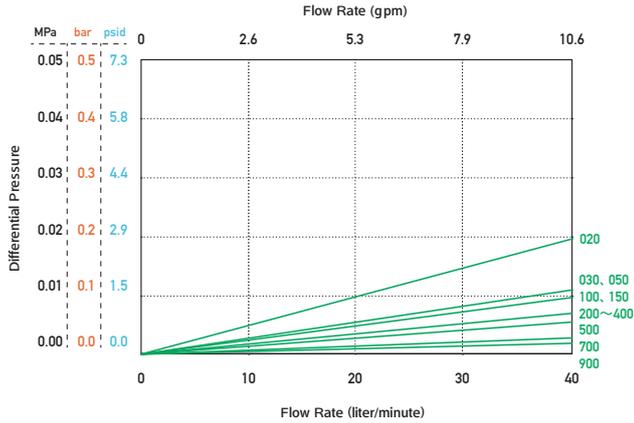
Specifications

		020	030	050	100	150	200	300	400	500	700	900
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
Materials	Media	Polypropylene										
	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)										
Dimen- sions	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										

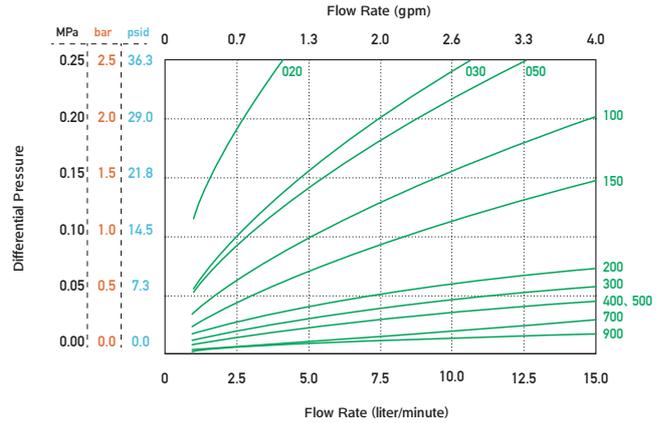
*If you need further information on specifications (length, end cap type, etc.), please contact us.

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.

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.



26th Issue
SLP210334LE