



GEL-TRAP

SCP Type

Major Applications

Color resist, Ink

CMP slurry

Coating agent for film

Other high-concentration dispersions

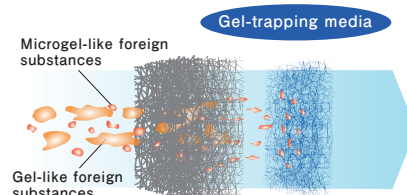
Features

- Gel trap structure
- Depth pleated structure for fine slurries
- 100% flushing before shipment
- 100% Polypropylene
- No use of binder or surfactant

Advantages

- Excellent removal performance for various gel-like substances
- Fine filtration is available for various slurries.
- Reduction of fiber release
- Wide range of fluid compatibility
- Low extractables risk

Structure



By placing our unique Gel-trapping media developed by ROKITECHNO, gel-like foreign substances are well captured even after the differential pressure has increased.

Specifications

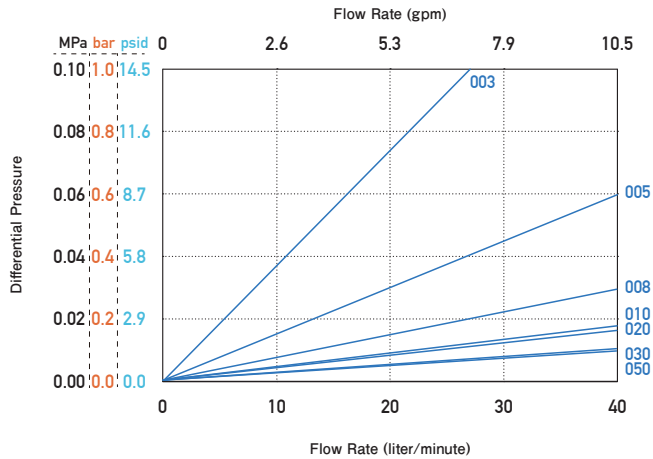
Grades	003	005	008	010	020	030	050
Micron Ratings (μm)	0.3	0.5	0.8	1.0	2.0	3.0	5.0
E.F.A. (m ² /250mm)	0.18	0.16	0.17	0.17	0.16	0.16	0.19
Media	Polypropylene						
Materials Core/Cage/Support	Polypropylene						
End Cap	Polypropylene						
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)						
Maximum Operating Temp	80 °C (176°F)						
Length	125 / 250 / 500 / 750 mm						
Dimensions	O.D.	70.0mm					
	I.D.	25.6 (for 0.5) / 26.1 (for F) / 29.5 (for 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)	003	005	008	010	020	030	050
0.3	>99.9						
0.5		>99.9					
0.8			>99.9				
1.0				>99.9			
2.0					>99.9		
3.0						>99.9	
5.0							>99.9

Test Conditions

Equipment : Particle Counter in Liquid
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ALUMINA (SCP-003-005)
 ACFTD+LATEX Beads (SCP-008~050)

Ordering Information

Nominal Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
250 L	-SCP-	005	S	7	C
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		003 = 0.3 μm 005 = 0.5 μm 008 = 0.8 μm 010 = 1.0 μm 020 = 2.0 μm 030 = 3.0 μm 050 = 5.0 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	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.