

SCP Type

For removal of gel-like foreign substances
(Gel-trapping Media)

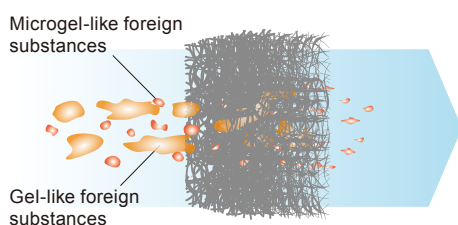
The SCP cartridges, using Gel-trapping material as the main filter media, provide stable capacity of capturing gel-like substances from the initial to end stage of their service life.

Features

- Using our unique Gel-trapping media developed by ROKITECHNO as main media, the SCP cartridges with optimized media structure provide stable removal of submicron fine particles and gel-like foreign substances even at the end stage of the cartridge service life.
- The SCP cartridges are entirely composed of polypropylene components (except for gaskets and O-rings) and manufactured without using any binders or surfactants.
- All SCP filters have undergone pre-flushing to provide enhanced filter cleanliness and to reduce flushing time before operation.

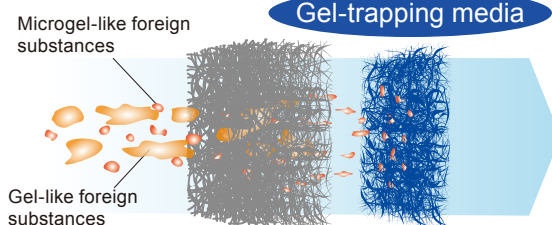


Typical depth-pleat filter



Higher filtration differential pressure caused by the clogged filter may let gel-like structures pass downstream.

Gel-trapping filter

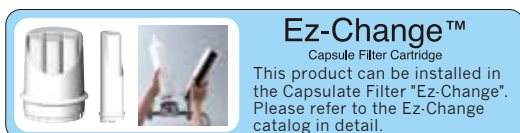
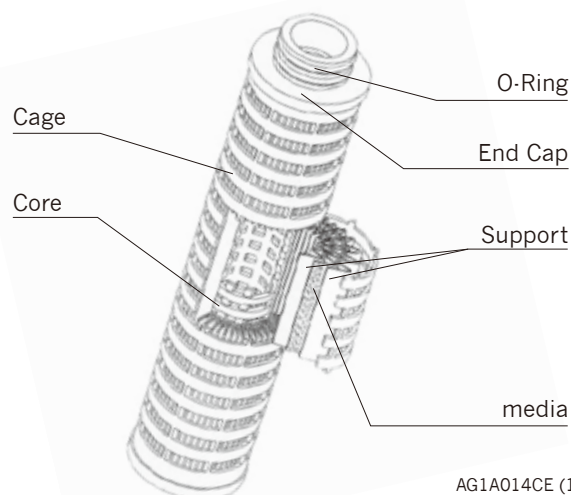


By placing our unique Gel-trapping media developed by ROKITECHNO, gel-like foreign substances are well captured even after the differential pressure has increased.

Major Applications

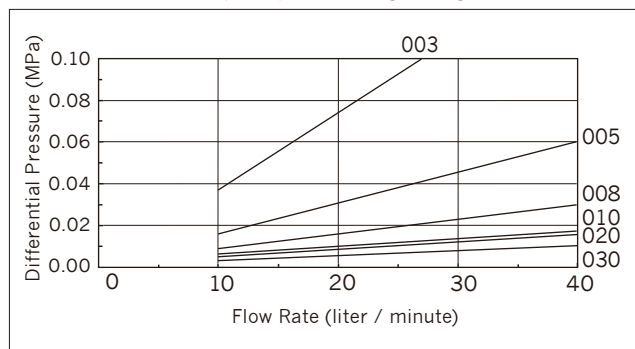
- Filtration of high-concentration slurry and gel-like substances
- Filtration and removal of gel-like substances for pigment resists and ink-jet inks
- Filtration and removal of gel-like substances for functional inks
- Filtration and removal of gel-like substances for binders
- Removal of lees in tea beverages

Materials of Construction



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C) Cartridge Length : 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size(μm)	Particle Removal Efficiency (%)					
	003	005	008	010	020	030
0.3	>99.9					
0.5		>99.9				
0.8			>99.9			
1.0				>99.9		
2.0					>99.9	
3.0						>99.9

<Test Conditions>

Equipment : Particle Counter in Liquid

Filtration : Single Pass

Fluid : Refined Water

Flow Rate : 10 liter / minute

Dust: SCP-003, 005, ALUMINA

SCP-008~030, ACFTD+LATEX Beads

*The above data are based on our test condition, and are not guaranteed value.

Ordering Information

[Nominal Length]	[Product Type]	[Micron Rating]	[Gasket / O-Ring]	[End Cap Code]	[Packaging Code]
250	L-SCP-	005	S	7	C
62.5 = 62.5mm		003 = 0.3μm	S = Silicon	F = Double Open Ends	B = 6 pcs.
125 = 125mm		005 = 0.5μm	E = EPDM	0 = 2-222 O-Ring	C = 10 pcs.
250 = 250mm		008 = 0.8μm	N = NBR	5 = 2-222 O-Ring + Fin	F = 25 pcs.
500 = 500mm		010 = 1.0μm	V = FKM	7 = 2-226 O-Ring + Fin	
750 = 750mm		020 = 2.0μm	T = FEP Encapsulated FKM (for 0, 5, 7)		
		030 = 3.0μm	PTFE (for F)		

Specification

Product Type		SCP					
Grade		003	005	008	010	020	030
Micron Rating (μm)		0.3	0.5	0.8	1.0	2.0	3.0
E.F.A. (m ² / 250mm)		0.18	0.16	0.17	0.17	0.16	0.16
Dimensions	Length (mm)	62.5 / 125 / 250 / 500 / 750					
	O.D. (mm)	70.0					
	I.D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)					
Materials Media	Media	Polypropylene					
	Core	Polypropylene					
	Support	Polypropylene					
	End Cap	Polypropylene					
	Gasket / O-Ring	NBR / EPDM / Silicone / FKM / FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)					
Maximum ΔP (MPa) at 20°C		0.49					
Maximum Operating Temp. (°C)		80					
Adaptable Food Sanitation Standard		FDA 21 CFR					

※For further information on specifications (length, end cap type, etc.), please contact us.

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



Scope: Manufacture of Filter cartridges

End Cap Code

Code F



Code 0



Code 5



Code 7



*The contents of the catalog is subject to change without notice.