

SHP Type (Polypropylene Media)

The SHP cartridges are the combination type filters equipped with the features of both pleated and depth cartridges. The SHP cartridges are exclusively designed for the filtration of liquids with high viscosity and high solid contents.

Features

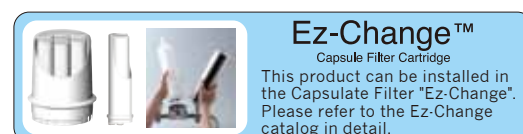
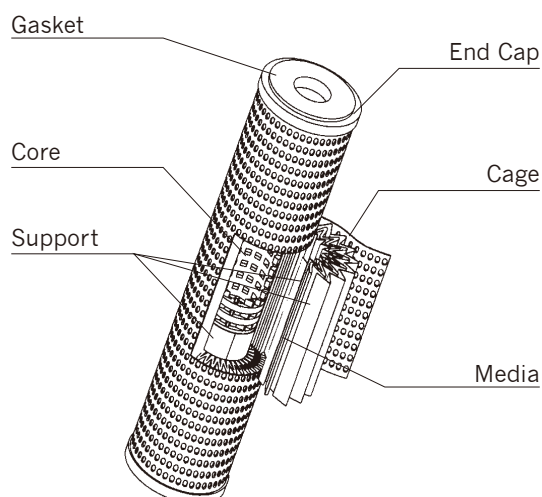
- Because the media is reinforced with a rigid net support material (polyolefin), the SHP cartridges provide stable filtration of high viscous liquids and high solid contents under low differential pressure without the media deformation.
- Equipped with the features of both thick media in depth construction and a large surface area in pleated construction, the SHP cartridges provide longer service life, resulting in initial cost or running cost reduction.
- No binders or surfactants are used in the manufacturing process, which provides low extractables and wide chemical compatibility.



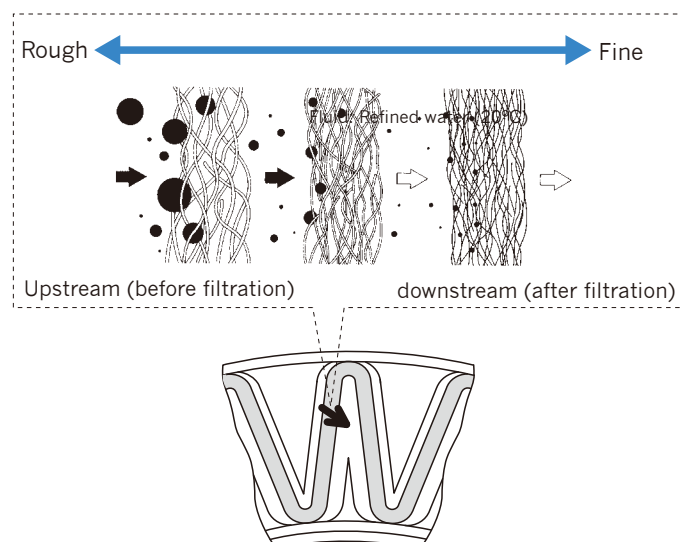
Major Applications

- Metal paste
- Slurry with high solid contents
- Various binders
- High-performance paints and high viscous paints
- Others

Materials of Construction

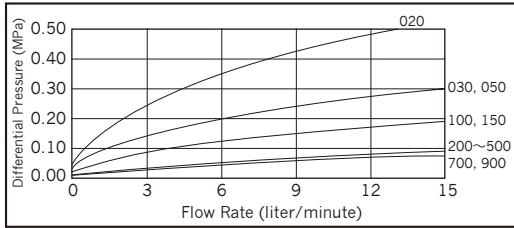


SLOPE-PURE Filtration Mechanism (Graded Density Slope)



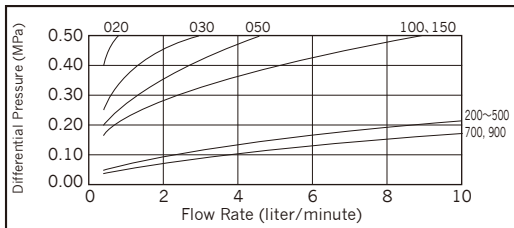
Differential Pressure vs Flow Rate

Fluid: CMC(1000cP)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Fluid: CMC(10000cP)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)										
	020	030	050	100	150	200	300	400	500	700	900
2.0	>99	>98									
3.0	>99.9	>99.9	>99.9	>98							
5.0				>99.9	>98						
10.0					>99.9						
15.0						>98					
20.0						>99.9	>98				
30.0							>99.9	>98			
40.0								>99.9	>98		
50.0									>99.9		
70.0										>98	
90.0										>99.9	>98

<Test Condition>

Equipment: Particle Counter in Liquid

Filtration : Single Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : ACFTD+Latex Beads (Radiolite for SHP-500~900)

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

Ordering Information

2 5 0



[Nominal Length]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

L-SHP-



[Product Type]

0 2 0



[Micron Rating]

020 = 2.0μm 300 = 30μm
030 = 3.0μm 400 = 40μm
050 = 5.0μm 500 = 50μm
100 = 10μm 700 = 70μm
150 = 15μm 900 = 90μm
200 = 20μm

E



[Gasket/O-Ring]
P = Foamed Polyethylene
S = Silicone
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for 0, 5, 7)
PTFE (for F)

F



[End Cap Code]
Z=only for P gasket
F = Flat Gaskets
0 = 2-222 O-Ring
5 = 2-222 O-Ring+Fin
7 = 2-226 O-Ring+Fin

B



[Packaging Code]
B = 6pcs
C = 10pcs
F = 25pcs

Specification

Product Type		SHP										
Grade		020	030	050	100	150	200	300	400	500	700	900
Micron Rating (μm)		2.0	3.0	5.0	10	15	20	30	40	50	70	90
E.F.A. (m²/250L)		0.22	0.22	0.22	0.24	0.20	0.18	0.20	0.19	0.18	0.18	0.18
Dimen- sions	Length (mm)	125 / 250 / 500 / 750										
	O.D. (mm)	70.0										
	I. D. (mm)	27.0 (for PZ) / 26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)										
Materials Media	Media	Polypropylene										
	Support	Polyolefin										
	Core	Polypropylene										
	Cage	Polypropylene										
	End Cap	Polypropylene (for F, 0, 5, 7) / Foamed Polyethylene (for PZ)										
	Gasket/O-Ring	Silicone / EPDM / NBR / FKM/FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)										
Maximum ΔP (MPa)at 20°C		0.49										
Maximum Operating Temp. (°C)		80 / 60 (only PZ)										
Adaptable Food Sanitation Standard		FDA 21 CFR										

※If you need 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 PZ



Code F



Code 0



Code 5



Code 7



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