



SLOPE-PURE

# SDF Type

Major Applications

- Inkjet ink
- Various high-concentration dispersions
- Food & beverage

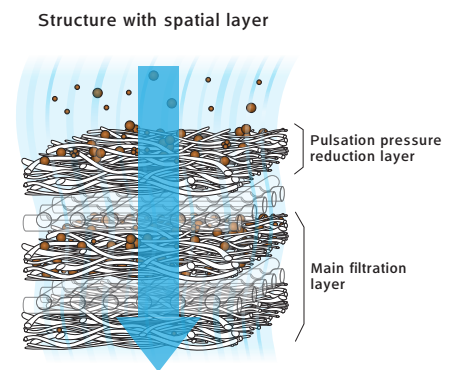
Features

- Unique structure for Pulsation pressure reduction layer
- Depth filter structure with wide filtration grade slope
- Polypropylene / Polyethylene filter media, parts
- No use of binder or surfactant

Advantages

- Push-out (outflow of captured particles) can be suppressed in filtration processes where pulse pressure is applied, such as before filling.
- Excellent differential pressure vs. flow rate (Low pressure drop)
- Available for high-concentration dispersion filtration with a wide particle size distribution
- Wide range of fluid compatibility
- Low extractables risk

Structure



## Specifications

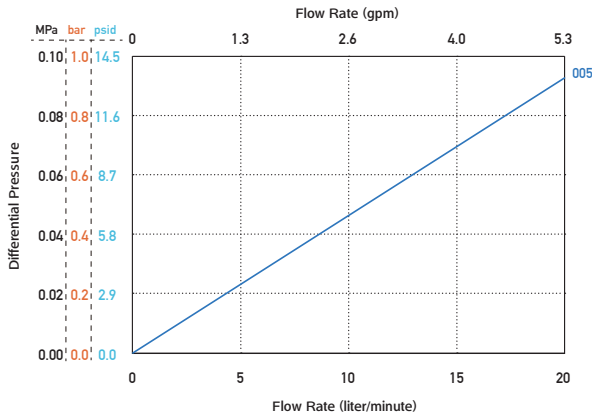
Grades	005
Micron Ratings	0.5 μm
Media	Polypropylene, Polyethylene
Materials Core	Polypropylene
End Cap	Polypropylene (for F, 0, 5, 7)
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)
Maximum Operating Temp	60°C (140°F) *for End Cap Code PZ only / 80 °C (176°F)
Dimensions Length	125 / 250 / 500 / 750 mm
O.D.	70.0 (for PZ, F, 0, 5, 7) mm
I.D.	25.5 (for PZ) / 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 (%)
005	>99
0.3	
0.5	
0.7	
1.0	
3.0	

### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : Alumina + Boehmite

## Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
<b>2 5 0 L</b>	<b>-SDF-</b>	<b>005</b>	<b>P</b>	<b>Z</b>	<b>F</b>
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		005 = 0.5 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 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.

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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.



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MS CMO09

4th Issue  
 SDF210304E