


GEL-TRAP
ASCP Type
Major Applications

Removal sediment and gel-like substances in chemical

Pharmaceutical chemicals,
Pharmaceutical ingredients,
Drug substance, Manufacturing water

Quality standards

- Manufactured in ISO 9001 certified plant
- FDA 21 CFR compliant
- USP Class VI plastic biological safety testing compliant
- Certificate of quality is attached to the product.
- Traceability by lot number

Features

- Gel trap structure
- 100% flushing before shipment

Advantages

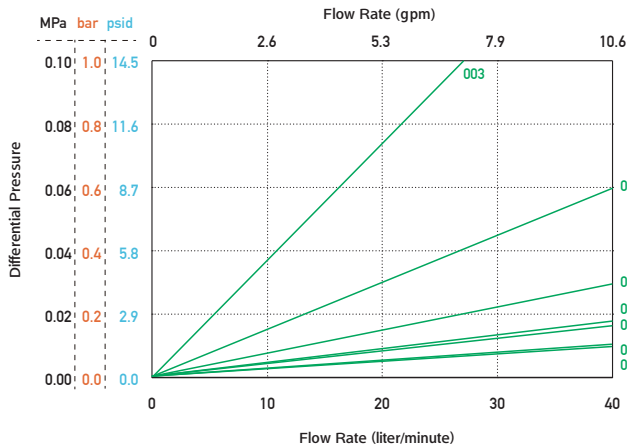
- Prevents push-out of gel-like substances even under high differential pressure
- Excellent removal performance for various gel-like substances
- Excellent cleaned filter

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. ($\text{m}^2/250\text{mm}$)	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.	26.1 (for F)/26.9 (for 3, 4)/29.5 (for 7) mm						
Available sterilization methods	Inline steam, Autoclave *Applicable to only code 3, 4, 7 with Silicone O-rings.						
Inline steam sterilization	135°C (275°F) x 30 minutes x 10 cycles *Applicable to only code 3, 4, 7 with Silicone O-rings.						

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)						
	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 : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ALUMINA (ASCP-003·005)
 ACFTD+LATEX Beads (ASCP-008~050)

Validation items

Items	Evaluation criteria
Endotoxin (LAL)	Extraction volume with water is less than 0.25 EU/mL and complies with USP <85> requirements.
Evaporation residues	Less than 5 mg of evaporation residue per 250 mm cartridge after 24 hours in ultrapure water following autoclave sterilization
Potassium permanganate consumption	Meets the requirements of the USP Oxidizable Substance Test by flushing with at least 5,000 mL of ultrapure water after autoclaving
Filter/component toxicity	USP <88> Biological Reactivity Tests For Class VI Plastics compliant

*Please refer to the Validation Guide for detailed testing information.

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
500 L	-ASCP-	005	S	7	B
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		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 X = EPDM T = FEP Encapsulated FKM B = FEP Encapsulated Silicone	F = Flat Gaskets* 3 = 2-222 O-Ring + Fin 4 = 2-222 O-Ring 7 = 2-226 O-Ring + Fin *Code F is only for Silicone	A = 1pc 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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