

GEL – TRAP

ASCP Type



Major Applications

Removal sediment and gel-like substance in chemical

Pharmaceutical chemicals

Pharmaceutical ingredients

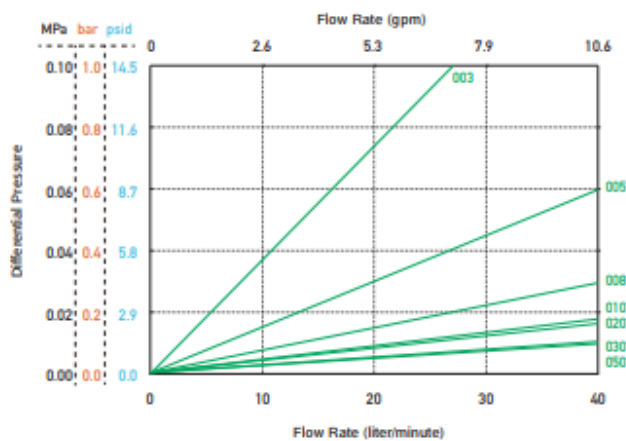
Drug Substance, Manufacturing water

Quality standards	Features	Advantages
<ul style="list-style-type: none">• Manufactured in ISO 9001 certified plant	<ul style="list-style-type: none">• Gel trap structure	<ul style="list-style-type: none">• Prevents push-out of gel-like substances even under high differential pressure
<ul style="list-style-type: none">• FDA 21 CFR compliant		
<ul style="list-style-type: none">• USP Class VI plastic biological safety testing compliant		
<ul style="list-style-type: none">• Certificate of quality is attached to the product		
<ul style="list-style-type: none">• Traceability by lot number	<ul style="list-style-type: none">• 100% flushing before shipment	<ul style="list-style-type: none">• Excellent cleaned filter

SPECIFICATIONS								
Grades		003	005	008	010	020	030	050
Micron Rating (um)		0.3	0.5	0.8	1.0	2.0	3.0	5.0
E.F.A (m2/250L)		0.18	0.16	0.17	0.17	0.16	0.16	0.19
Materials	Media	Polypropylene						
	Core/Cage/Support	Polypropylene						
	End cap	Polypropylene						
Maximum ΔP		0.49 Mpa at 20°C (71psi at 68°F)						
Maximum Operating Temp		80°C (176°F)						
Dimen sions	Length	125/250/500/750 mm						
	O.D.	70.0 mm						
	I.D.	26.1 (for F)/26.9 (for 3, 4)/30.0 (for 7) mm						
Available sterilization methods		inline steam, Autoclave						
Inline steam sterilization		135°C (275°F) x 30 minutes x 10 cycles						

Diferential Pressure vs Flow Rate Particle Removal Efficiency

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



Grades	Particle Removal Efficiency (%)						
Particle Size (um)	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 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 5,000mL
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Filter/component toxicity	USP Biological Reactivity Tests For Class VI Plastics compliant
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