ROKI TECHNO

Surface (Non-woven)

MICRO-PURE

AMPX Type

Major Applications

Pharmaceutical liquid clarification

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

- 100% Polypropylene
- Pleated type with wide filtration area

Advantages

- Wide range of fluid compatibility
- Excellent differential pressure vs. flow rate

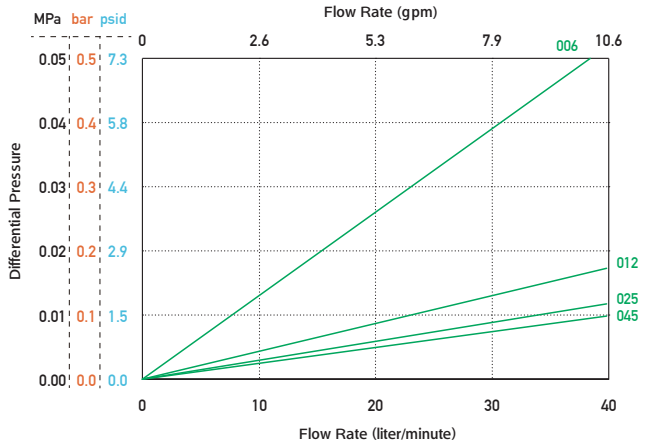
Specifications

Grades		006	012	025	045
Micron Ratings (μm)		0.6	1.2	2.5	4.5
E.F.A. (m²/250L)		0.55	0.75	0.75	0.75
Materials	Media	Polypropylene			
	Core/Cage/Support	Polypropylene			
	End Cap	Polypropylene			
Maximum ΔP		0.49MPa at 20℃ (71psi at 68°F)			
Maximum Operating Temp		80℃ (176°F)			
Dimensions	Length	125／250／500／750 mm			
	O.D.	70.0mm			
	I. D.	26.1 (for F)／26.9 (for 3, 4)／30.0 (for 7) mm			
Available sterilization methods		Inline steam, Autoclave *Applicable to only code 3, 4, 7 with Silicone O-rings.			
Inline steam sterilization		135℃ (275°F) x 30 minutes x 10 cycles *Applicable to only code 3, 4, 7 with Silicone O-rings.			

*If you need further information on specifcations (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



Particle Removal Efficiency

Particle Size (μm) \ Grades	Particle Removal Efficiency (%) 006	012	025	045
0.6	>98			
1.2	>99.9	>98	>95	>95
2.5		>99.9	>99.9	>99.9

Test Conditions

Equipment	: Liquid Particle Counter
Filtration	: Single Pass
Fluid	: Refined Water
Flow Rate	: 10 liter/minute
Dust	: ACFTD＋LATEX Beads

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
5 0 0 L	-AMPX-	0 1 2	S	7	B
125 = 125mm		006 = 0.6μm	S = Silicone	F = Flat Gaskets*	A = 1pc
250 = 250mm		012 = 1.2μm	X = EPDM	3 = 2-222 O-Ring + Fin	B = 6pcs
500 = 500mm		025 = 2.5μm	T = FEP Encapsulated FKM	4 = 2-222 O-Ring	C = 10pcs
750 = 750mm		045 = 4.5μm	B = FEP Encapsulated Silicone	7 = 2-226 O-Ring + Fin	F = 25pcs
				*Code F is only for Silicone	

End Cap Code

Code F

Code 3

Code 4

Code 7

*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.

ISO 9001 JQA-QMA16323 JAB MS CM009

4th Issue
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