



MICRO-PURE

AMPX^{Type}

Major Applications

- Pharmaceutical liquid clarification
- Pharmaceutical chemicals, Pharmaceutical ingredients, Drug substance, Manufacturing water

Available for disk (25mm, 47mm)

Available for Labo-Pure Capsule (LPD/LPA/LPH/LPE/LPX/LPJ)

Quality standards

Features

Advantages

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 100% Polypropylene ● Pleated type with wide filtration area | <ul style="list-style-type: none"> ● Wide range of fluid compatibility ● Excellent differential pressure vs. flow rate |
|---|--|--|

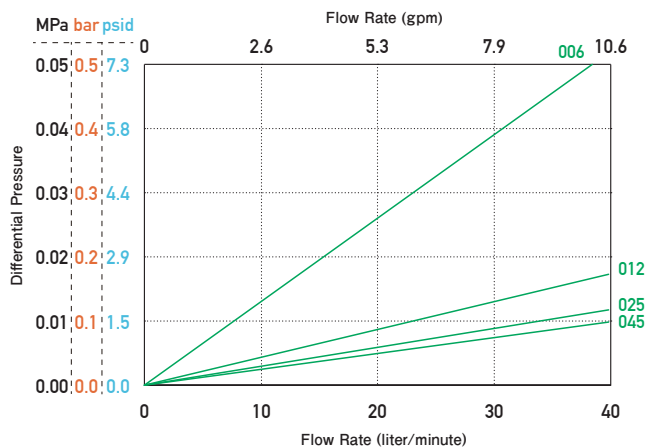
Specifications

Grades	006	012	025	045
Micron Ratings (µm)	0.6	1.2	2.5	4.5
E.F.A. (m ² /250L)	0.55	0.75	0.75	0.75
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) / 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°C (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 specifications (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

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



Particle Removal Efficiency

Particle Size (μm)	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 : Particle Counter in Liquid
 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

Nominal Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
500L	-AMPX-	012	S	7	B
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		006 = 0.6μm 012 = 1.2μm 025 = 2.5μm 045 = 4.5μm	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

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.

ROKI GROUP International Pte. Ltd.

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan

TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

www.rokiglobal.com

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.



JQA-QMA16323

MS CM009

2nd Issue
AMPX200728LE