

Product Lines

Poly-Viscosity Pleat filter (AR-H series) PP Microfiber media

The Poly-Viscosity pleated filter is made of polypropylene fiber media and provide stable filtration of high viscous liquid and high solid contents under low differential pressure without the media deformation. No binders are used in the manufacturing process, which provides low extractables and wide chemical compatibility.

Features & Benefits

- Low pressure drop, high capacity of dust and long service life.
- End caps and connectors sealed by thermal bond, free of binder
- Manufacture in clean room, high clean cartridge.
- Pre-flush with 18 Megohm-cm DI water, TOC content is lower than 40 PPb
- End configurations to fit all standard housings
- Certificated by USP XXIII and FDA CFR Title 21
- In compliance with the latest EC Directive for food contact.

Operation conditions

- Maximum operating forward pressure:
 - 90°C: 1.4 kg/cm²
 - 60°C: 2.8 kg/cm²
 - 20°C: 4.9 kg/cm²
- Recommended replacement pressure drop: 2.5kg/cm²
- Maximum operating temperature: 90°C
- Sterilization: 121°C, 30min 10 times

Applications of products

- Various binders.
- High-performance paints and high viscous paints
- Filtration of medium & high viscosity chemical fluids.

Product specifications

Micron ratings: Absolute rating 1, 5, 10, 15, 30 micron

Material of construction: 100% melt-blown micro-denier

PP fiber Support: PP fiber

Core & End Cap: High Strength PP (Stainless Steel insert end cap available)

O-ring Material: EPDM, Buan N, Silicone, Viton, PFA encapsulated Viton

Length: 10", 20", 30", 40"

Inner Diameter: 28mm

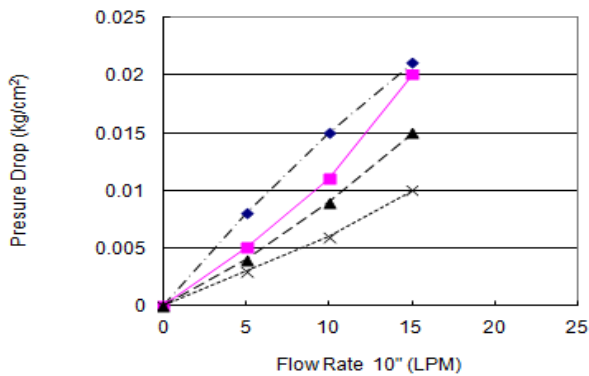
Outer Diameter: ARH = 69mm

Poly-Viscosity Efficiency

Efficiency of Filtration

Particle Size (um)	Particle Removal Efficiency (%)				
	ARH0100	ARH0500	ARH1000	ARH1500	ARH3000
2.0	>95				
3.0	>99.5	>98			
5.0		>99.5	>75		
10.0			>99.5	>75	>75
15.0				>99.5	>95
30.0					>99.5

ARH Initial Pressure Drop



Ordering Information

