

Poly-Viscosity Filter Cartridge with PP Microfiber multi-layers 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.
- 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, 50, 75, 100 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 is available for PP cage)

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

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

Inner Diameter: 28mm

Outer Diameter: ARH = 69mm



Pleated Filter with Microfiber media

Efficiency of Filtration

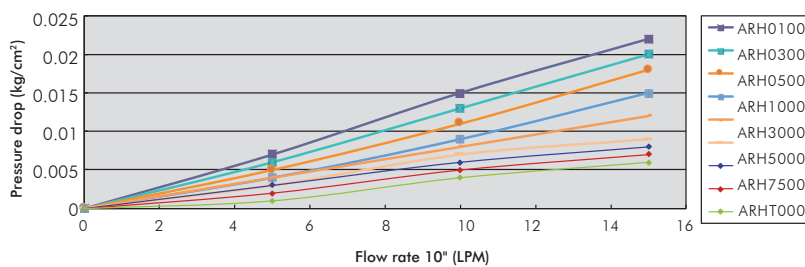
spec.	Retention Efficiency (%)								
	2 micron	3 micron	5 micron	10 micron	15 micron	30 micron	50 micron	75 micron	100 micron
ARH0100	>95	>99.5	----	----	----	----	----	----	----
ARH0500	----	>98	>99.5	----	----	----	----	----	----
ARH1000	----	----	>75	>99.5	----	----	----	----	----
ARH1500	----	----	----	>75	>99.5	----	----	----	----
ARH3000	----	----	----	>75	>95	>99.5	----	----	----
ARH5000	----	----	----	----	----	----	>99	----	----
ARH7500	----	----	----	----	----	----	----	>99	----
ARHT000	----	----	----	----	----	----	----	----	>90

* Multi-pass Test

Suggested equivalent products

- ROKI
 - Pall
 - 3M
- SHP Type
Profile® Star
Betafine® XL

ARH Initial Pressure Drop



Ordering Information

