

Poly-Ray Pleated Filter Cartridge with PP Micro-fiber media

Constructed of melt-blown polypropylene fiber media, Poly-Ray pleated filter combine exceptional solids holding capacities with precise micron ratings than depth filters. The double sheets of melt-blown media are layered to provide absolute particle retention, high solid loading and long service life. Poly-Ray filter are also designed for membrane's pre-filtration.



Features & Benefits

- Double-layers structure, absolute efficiency filter. (Absolute rating 99.9% ; β rate=1000)
- Filtration area more than 0.5m², low pressure drop, high capacity of dust and long service life.
- 100% PP for compatibility with a wide range of process fluids.
- Manufactured in clean room, highly clean cartridge.
- Pre-flush with 18 Megohm-cm DI water, TOC content is lower than 40 ppb.
- End caps and connectors sealed by thermal bond, free of binder.
- Certificated by USP XXXIII and FDA CFR Title 21.
- End configurations to fit all standard housings.

Operation conditions

- Maximum operating pressure drop :
 - 95°C : 1.4 kg/cm²
 - 60°C : 2.8 kg/cm²
 - 20°C : 4.9 kg/cm²
- Recommended replaceable pressure drop : 2.5 kg/cm²
- Maximum operating temperature : 95°C
- Sterilization : 121°C, 30 min 10times

Applications for product

- Pre-filter of membrane cartridge.
- Filtration of cleaning process in CD-ROM, DVD-ROM manufacture.
- Pre-filter of DI water filtration.
- Filtration of cooling water system (PCW).
- Clarification of beer or beverage manufacture.
- Filtration of medium & low viscosity fluids of chemical.

Product specifications

- Pore size : Absolute Rating 0.2, 0.45, 1, 5, 10, 20micron
- Materials of construction : 100% melt-blown micro-denier PP fiber
- Support : PP fiber
- End Cap & Core : High Strength PP
- O-ring Material : EPDM, Buna N, Silicone, Viton, Viton encapsulated PFA
- Filtration Area : >0.5m²
- Length : 10", 20", 30", 40"
- Inner Diameter : 28 mm
- Outer Diameter : 69 mm

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Efficiency of filtration

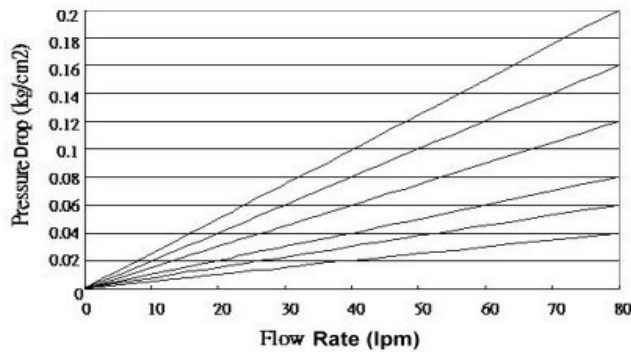
Spec.	Removal Rating(%)						
	0.2micron	0.3micron	0.5micron	1.0micron	5.0micron	10micron	20micron
AR0020	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
AR0045	62.3	71.9	>99.9	>99.9	>99.9	>99.9	>99.9
AR0100	30.2	67.1	73.9	>99.9	>99.9	>99.9	>99.9
AR0500	-----	-----	46.8	87.3	>99.9	>99.9	>99.9
AR1000	-----	-----	-----	53.9	81.5	>99.9	>99.9
AR2000	-----	-----	-----	-----	59.3	86.9	>99.9

*Multi-pass test

Suggested equivalent products

- Millipore Polygard-CN
- Pall HDC II Filter
- Pall Ultipleat Profile
- PTI Poly Flow-G
- CUNO Betafine D
- CUNO Polypro
- Filterite Poly-Fine II

Initial pressure drop



Ordering Information

