

Poly-Ray Plus Filter Cartridge with absolute rating

The Poly-Ray Plus pleated filter is a consistent and effective particle removal elements, with surface finishing with high speed calenders – heated, polished, steel rolls – which press the fabric, making the surface smooth and compact, providing a highly consistent pore structure with narrow pore size distribution, making it ideally suited for pre-filtration, including reliable protection of final membrane filters.

✓ Features & Benefits

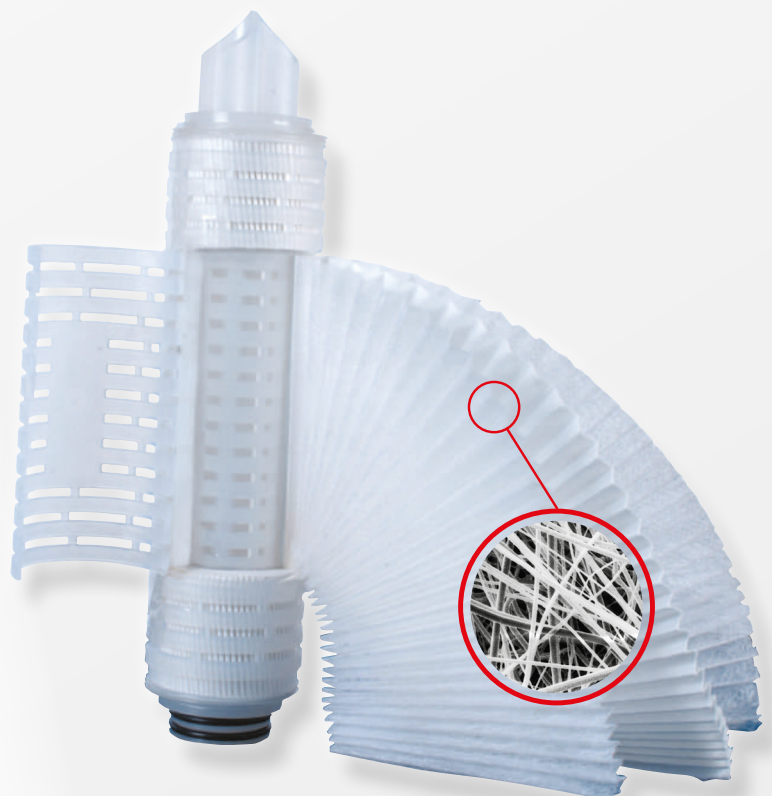
- Low pressure drop, high capacity of dust and long service life.
- End caps and connectors sealed by thermal bond, free of binder
- Manufacture in clean room, high clean cartridge.
- Pre-flush with 18 Megohm-cm DI water.
- Poly-Ray Plus filter is an absolute efficiency filter (Absolute rating 99.9%; Beta ratio=1000).
- 100% PP for compatibility with a wide range of process fluids.
- End configurations to fit all standard housings
- Certificated by USP XXIII and FDA CFR Title 21
- In compliance with the latest EC Directive for foodcontact.

✓ 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

- Pre-filtration of membrane cartridge
- Filtration of cleaning process
- Pre-filtration of DI water filtration
- Filtration of cooling water system (PCW)
- Filtration of beer or beverage manufacture
- Filtration of medium & low viscosity chemical fluids.

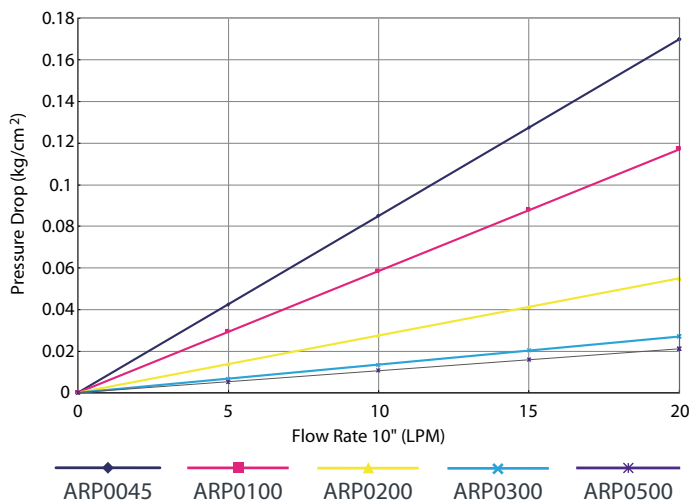




✓ Product specifications

Micron ratings: Absolute rating 0.45, 1, 2, 3, 5 micron
Material of construction: 100% melt-blown micro-denier PP fiber
Support: PP fiber
Core & End Cap: High Strength PP(OD:69mm, 64mm); HDPE(OD:80mm) (Stainless Steel insert end cap is available for PP cage)
O-ring Material: EPDM, Buan N, Silicone, Viton, PFA encapsulated Viton
Filtration Area: Poly Ray Plus ARP 0.45 : 0.4 m ² / 10" , ARP 1, 2, 3, 5 : 0.6 m ² / 10"
Length: 10", 20", 30", 40"
Inner Diameter: 28mm
Outer Diameter: AR = 69mm(PP); E-AR = 80mm(HDPE); N-AR = 64mm(PP)
Retention Efficiency: >99.9% under muti-pass test

✓ ARP Initial Pressure Drop



✓ Suggested equivalent products

- Millipore Polygard-CN
- Pall HDC II Filter
- Pall Ultiplet Profile
- 3M Betafine D
- 3M Polypro
- Pall Poly-Fine II

✓ Ordering Information

	– ARP	– 0020	– E	– 0	– 1	– B
Outer Diameter Blank: Standard: 69mm E: 80mm N: 64mm	Poly-Ray Plus	Micro Ratings: 0045 = 0.45micron 0100 = 1micron 0200 = 2micron 0300 = 3micron 0500 = 5micron	O-Ring Material: 0045 = 0.45micron 0100 = 1micron 0200 = 2micron 0300 = 3micron 0500 = 5micron	Ending Cap Number: F = Double Open end (DOE) 0 = 222 /Flat (SOE) 5 = 222 /Fin (SOE) 6 = 226 /Flat (SOE) 7 = 226 /Fin (SOE) B = 213 /Flat	Length: A = shorter than 10" Remark the total length 51 = 10" 2 = 20" 3 = 30" 4 = 40"	A = Non-Preflush B = Pre-flush with DI water