

PolyPure-AB Absolute PP Pleated Cartridge Filter

» *An Absolute Filters with Higher Removal Efficiency*

Description

PolyPure-AB Absolute PP Pleated Cartridge Filter uses the raw materials which have permitted by FDACFR21. This type of cartridge tolerates a variety of chemical solvents, used in the filtration of ordinary or corrosive fluid. We offer absolute filtration pore size: 0.2~30µm, 10inch~40inch different length. Many kinds of connect types can be choose according to customer' s requires. The high surface area PolyPure-AB filters ensure long service life and low initial pressure drops.

All cartridge hardware components are high purity polypropylene materials for use in critical process applications. PolyPure-AB cartridges are manufactured and assembled in a clean room environment to minimize the possibility of contamination.

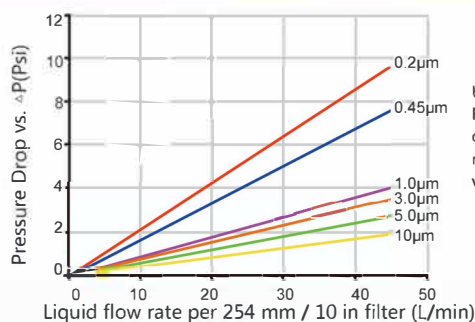
PolyPure-AB Series cartridges are available in a wide range of configurations to fit most commercially available filter housings.



Application

- Food and Beverage Processing
- High Purity Chemicals
- RO Pretreatment
- Chemical Mechanical Polishing

Pressure and Flow Rate



Unit conversion : 1bar=100KPa
Flow rate is for a 25.4cm (10inch) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP)

Specification

» Materials of Construction:

- Filter Medium: Nano Polypropylene
- Inner support core: Polypropylene
- Outer protection cage: Polypropylene
- End caps: Polypropylene

» Dimensions:

- Outside Diameter: 2-11/16in (68 mm)
- Inside Diameter: 1-1/4 in (33 mm)
- Nominal Length: 10in (250mm), 20in (500mm), 30in (750mm), 40in (1000mm)

» Recommended Operating Conditions:

- Maximum Temperature: 80°C ≤ 2.4Bar (35psid);
- Maximum Differential Pressure: 5.5bar (80psi) @ 21 °C
3.4bar (50psi) @ 70 °F (66 °C)

» Seal Materials:

- Gasket: Silicon/Viton/NBR/EPDM/Teflon Encapsulated Viton/ Teflon Encapsulated Silicone
- O-Rings: Silicon/Viton/NBR/EPDM
- Construction Method: Weld (No adhesives)

» Effective Filtration Area:

- 7.53ft²/10 inch length (0.7m²/250 mm)

» Steam sterilization: 121°C / 30 min

» Micron Ratings:

- 0.2µm, 0.45µm, 1µm, 3µm, 5µm, 10µm, 25µm, 30µm

» Filtration Efficiency: ≥99.98%

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Liquid Particle Retention

Removal Rating(μm)	$\beta=5,000$	$\beta=1,000$	$\beta=100$
	99.98%	99.9%	99%
0.2	0.2	< 0.2	< 0.1
0.45	0.4	0.2	< 0.1
1	0.8	0.4	< 0.1
3	2.9	1.8	< 0.1
5	3.8	1.4	0.15
10	7	2	0.25
25	15	4	0.35
30	22	7	0.8

Ordering Information

