



APC Series

Absolute PP Pleated Filter Cartridges

Description

APC Series Absolute PP Pleated Filter Cartridges are high-purity pp pleated cartridges designed for use in most applications where absolute rated pleated filtration is needed. 10-inch absolute pleated filter holds 6.5 square feet of filtration media, providing larger surface area than normal pleated filters. High-purity PP pleated filter is of great value with excellent dirt holding capacity, long service life and consistence of performance. Pleated cartridges are constructed with 100% advanced PP materials and assembled by high technology thermal bonding equipment. Absolute PP pleated cartridges are offered in absolute rate Beta 5000 (to 99.98%) retention efficiencies. Absolute pleated filters are wide chemical compatibility due to the use of 100% polypropylene materials comply with FDA, so absolute pleated filter is an ideal choice for efficient filtration of critical industries.



Features

- High surface area, resulting in low pressure and excellent dirt holding capacity
- Pleated filters are with absolute removal ratings for consistent and reliable performance
- Wide chemical compatibility using 100% polypropylene material to meet FDA requirements
- Assembled by high technology thermal bonding equipment, non-adhesive and 100% integrity tested
- Absolute PP pleated filter cartridges are offered in absolute rate Beta 5000(to 99.98%) retention efficiencies

Specification

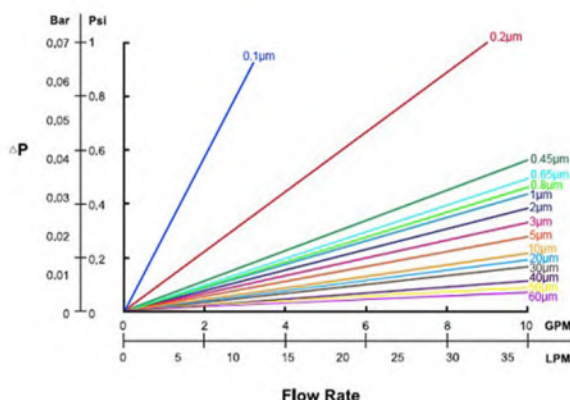
Filter Media	Polypropylene
Length	5", 9.75", 9.8", 10", 20", 30", 40"
Outside Diameter	2.75" (70mm)
Filtration Rating	0.1µm, 0.22µm, 0.45µm, 0.65µm, 0.8µm, 1µm, 2µm, 3µm, 5µm, 10µm, 20µm, 30µm, 40µm, 50µm, 60µm
Core	Polypropylene, Stainless Steel
Support/Drainage	Polypropylene
Gasket/O-ring	Silicone, EPDM, Viton, NBR, Teflon encapsulated Viton
End Cap/Cage	Polypropylene
End Cap Type	DOE, 222/Flat, 222/Fin, 226/Flat, 226/Fin, 215/Flat, 215/Fin

Application

- Process Water
- Semiconductor
- Fine Chemicals
- RO Pre-filtration
- Deionized Water
- Pharmaceuticals
- Food & Beverage
- Plating Chemicals

Operation Data

Max. Operating Temperature	80°C (176°F)
Max. Differential Pressure	4.8 bar at 20°C (70 psi at 68°F) 3.4 bar at 50°C (50 psi at 122°F) 1.4 bar at 80°C (20 psi at 176°F)
Maximum reverse pressure	40 psid @ 70°F (2.8 bar @ 21°C)
Recommend Change out Differential Pressure	ΔP 35 psi (2.4 bar)
Filtered Hot Water	80°C for 30 min
Sterilization Temperature Time	121°C (250°F) for 30 minutes, multiple cycles



Flow Rate vs Pressure Drop for Per 10" Filter

End Cap Type



Order Information

APC	Length	Micron Rating	End Cap	Gasket/O-ring	Adders
APC Series Absolute PP Pleated Filters	5 = 5"	0.1 = 0.1µm 0.22 = 0.22µm	A = Double Open End (DOE)	S = Silicone	T = Thicker PP Cage
	9.75 = 9.75"	0.45 = 0.45µm 0.65 = 0.65µm 0.8 = 0.8µm	B = 222/Flat (SOE)	E = EPDM	
	9.8 = 9.8"	1 = 1µm 2 = 2µm	C = 222/Fin (SOE)	N = NBR	I = SS Insert End Cap
	10 = 10"	3 = 3µm 5 = 5µm	D = 226/Flat (SOE)	V = Viton	S = SS Core
	20 = 20"	10 = 10µm 20 = 20µm	F = 226/Fin (SOE)	T = Teflon Encapsulated Viton	
	30 = 30"	30 = 30µm 40 = 40µm	G = 215/Flat (SOE)		
	40 = 40"	50 = 50µm 60 = 60µm	H = 215/Fin (SOE)		

For Example:

APC-20-5-A-S

APC Series Absolute PP Pleated Filter Cartridges - 20" - 5µm - Double Open End (DOE) - Silicone Gasket

