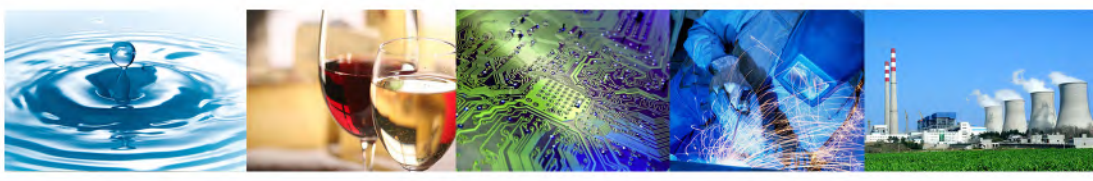
Hongtek®
Make Better Filtration



APP Series

Absolute PP Melt Blown Cartridges

Description

Hongtek APP Series Absolute PP Melt Blown Filter Cartridges are constructed with high-technology design that take advantage of flow pattern progressively from surface to inner center. Absolute melt blown filters have significant service life, accompanied by consistent high filtration efficiency. Absolute PP melt blown filters are manufactured with progressively graded density and 100% FDA approved PP material, therefore, the absolute rate of PP filters could get to Beta 1000(99.9%) and have super-normal dirt holding capacity and longer service life than normal PP melt blown cartridges. Advanced absolute melt blown filters are available in high performance grading from 1 to 100 microns, with fine micro porous structure for high removal efficiencies. PP melt blown cartridges can be used both in pre-filtration and final filtration in food&beverage, pharmaceutical and water treatment applications.

Features

- 99.9% filtration efficiency (Beta 1000) and exactly precision from 1 to 100 micron
- Depth layers strucure, high contaminant holding capacity and longer filter service life
- High filtration efficiency of absolute melt blown cartridges, consistent filtration performance
- High anti-pressure ability, proprietary process delivers superior efficiency and economical cost
- PP melt blown cartridges have excellent chemical compatibility, so used in a wide range of applications
- Absolute PP filters are made of 100% FDA polypropylene materials, free of binder, surfactant and adhesive

Specification

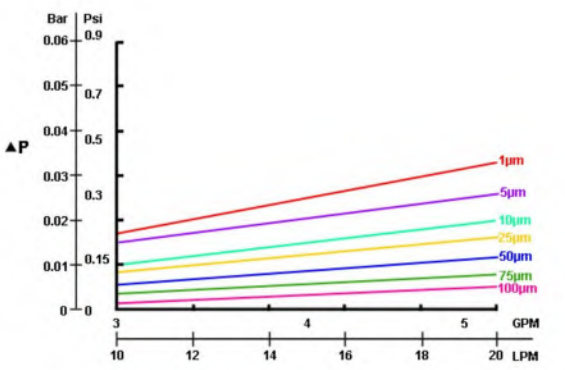
Filter Media	Polypropylene
Length	5", 9.75", 9.8", 10", 20", 30", 40", 50", 60", 70" (According to customers requirements)
Inside Diameter	28mm, 30mm (Special ID can be customized)
Outside Diameter	2.5" (63mm), 2.55" (65mm) (Special OD is accepted)
Filtration Rating	1μm, 5μm, 10μm, 20μm, 30μm, 50μm, 75μm, 100μm
Gasket/O-ring	Silicone, EPDM, Viton, Buna-N
End Cap Type	DOE, 222/Flat, 222/Fin, 226/Flat, 226/Fin

Application

- PCB Industry
- Microelectronics
- Water Treatment
- Pharmaceuticals
- Food & Beverage
- Chemical/Industrial
- Petrochemical Process
- Pre RO/DI Water Filtration

Operation Data

Max. Operating Temperature	60°C (140°F)
Max. Differential Pressure	4.0 bar at 20°C (58 psi at 68°F)
	2.0 bar at 60°C (29 psi at 140°F)
	1.0 bar at 60°C (14 psi at 140°F)
Liquid Flow Direction	Outside to inside
Recommend Change out Differential Pressure	2.5 bar



Flow Rate vs Pressure Drop for Per 10" Filter

End Cap Type

DOE with Gasket | 222/Flat | 222/Fin | 226/Flat | 226/Fin

Order Information

APP	ID	OD	Micron Rating	Length	End Cap	Gasket/O-ring
APP Series Absolute PP Melt Blown Cartridges	A = 28mm	M = 63mm	1 = 1μm	9.75 = 9.75"	D = DOE	S = Silicone
			5 = 5μm	9.8 = 9.8"		
			10 = 10μm	10 = 10"	T = 222/Flat (SOE)	E = EPDM
			20 = 20μm	20 = 20"		
	B = 30mm	F = 65mm	30 = 30μm	30 = 30"	O = 222/Fin (SOE)	V = Viton
			50 = 50μm	40 = 40"		
			75 = 75μm	50 = 50"	P = 226/Flat (SOE)	
			100 = 100μm	60 = 60"	L = 226/Fin (SOE)	U = Buna-N
				70 = 70"		

For Example:

APP-A-M-1-50-D

APP Series Absolute PP Melt Blown Filter Cartridges - 28mm - 63mm - 1μm - 50" - Double Open End (DOE)

Special specifications Absolute PP Melt Blown Filter Cartridges can be customized, such as special ID, OD, length etc.

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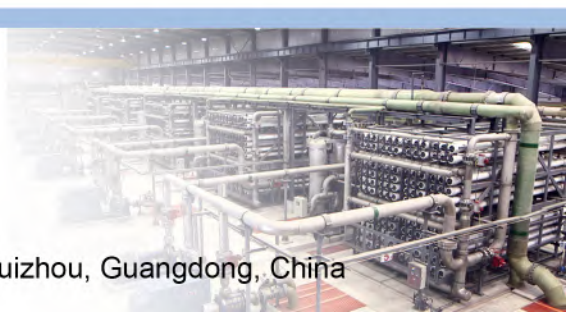
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