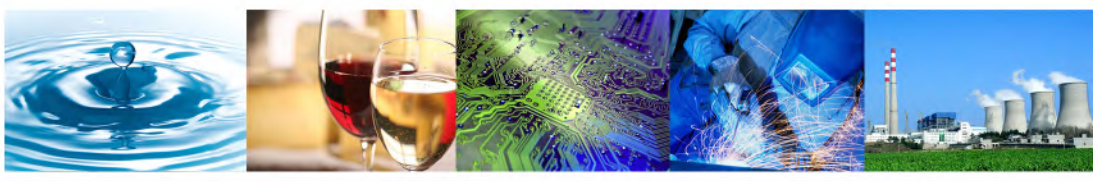
Hongtek®
Make Better Filtration



NPP Series

Nominal PP Melt Blown Cartridges

Description

NPP Series Nominal PP Melt Blown Filter Cartridge is made of 100% FDA approved polypropylene material, without binders, additives and lubricants. PP melt blown filter element is manufactured to suit different pore diameter of nozzle-spraying melt blown machines. Melt blown filters have multi-layered constructions with fine fibers in inner layers while in outer layers fibers are coarse, which lead to progressive contaminant removal efficiency and consistency of good performance.

PP melt blown cartridges own high dirt holding capacity, low pressure drop, high flow rate, good chemical resistance, long service life and effective filtration for suspended particle, sediment and other kinds of impurities, also, there is no fibre released. Melt blown cartridges are economical and classical filter media, which are widely used in liquid prefiltration industries.

Features

- PP filter cartridges are mainly applied to most industry standard housings
- 100% FDA approved safety polypropylene materials suit a lot of demanding applications
- Superior PP melt blown filters have high filtration efficiency and consistent good performance
- PP filters have multi-layered construction, high contaminant holding capacity and long service life
- Customized special PP melt blown cartridges are accepted to meet specific application's requirements
- Many types of end caps are available by thermally-bonded, such as 222/fin, 222/flat, 226/fin, 226/flat etc.

Specification

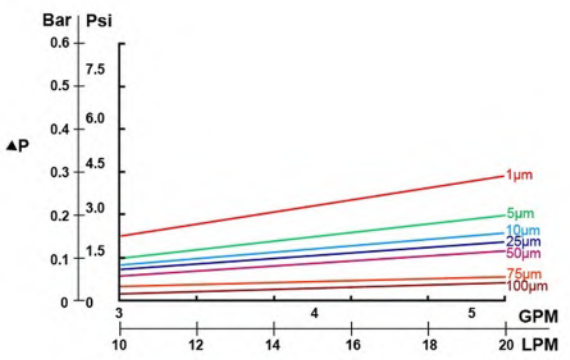
Filter Media	Polypropylene
Length	5", 9.75", 9.8", 10", 20", 30", 40", 50", 60", 70" (According to customers requirements)
Inside Diameter	28mm, 30mm (Special ID can be customized)
Outside Diameter	2.36"(60mm), 2.4"(61mm), 2.5"(63mm), 2.55"(65mm) (Special OD is accepted)
Filtration Rating	1μm, 5μm, 10μm, 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
- Plating Solution
- Pharmaceuticals
- Food & Beverage
- Electronic Industry
- Petrochemical Process
- Chemicals and Solvents
- Pre RO/DI Water Filtration

Operation Data

Max. Operating Temperature	60°C (140°F)
Max. Differential Pressure	3.0 bar at 27°C (43 psi at 80°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

NPP	ID	OD	Micron Rating	Length	End Cap	Gasket/O-ring
NPP Series Nominal PP Melt Blown Cartridges	A = 28mm	C = 60mm	1 = 1μm	9.75 = 9.75"	D = DOE	S = Silicone
			5 = 5μm	9.8 = 9.8"		
		Q = 61mm	10 = 10μm	10 = 10"	T = 222/Flat (SOE)	E = EPDM
			20 = 20μm	20 = 20"		
	B = 30mm	M = 63mm	30 = 30μm	30 = 30"	O = 222/Fin (SOE)	V = Viton
			50 = 50μm	40 = 40"		
		F = 65mm	75 = 75μm	50 = 50"	P = 226/Flat (SOE)	U = Buna-N
			100 = 100μm	60 = 60"		
				70 = 70"	L = 226/Fin (SOE)	

For Example:

NPP-A-M-5-40-D

NPP Series Nominal PP Melt Blown Filter Cartridges - 28mm - 63mm - 5μm - 40" - Double Open End (DOE)

Special specifications PP Melt Blown Cartridges can be customized, such as special ID, OD, length and end caps etc.

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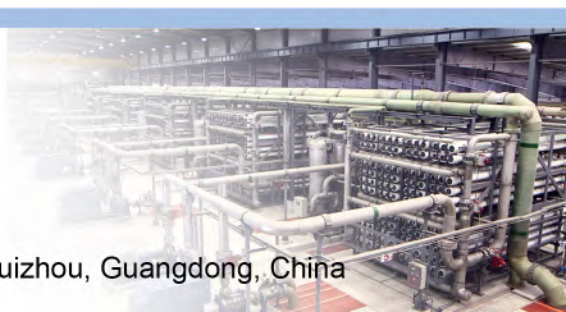
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