Hongtek®
Make Better Filtration

NPP Series

Nominal PP Melt Blown Filter Cartridges

Description

NPP Series Nominal PP Melt Blown Filter Cartridges are made of 100% FDA approved polypropylene material, without binders, additives and lubricants. PP melt blown filter elements are manufactured to suit different pore diameter of nozzle-spraying melt blown machines. PP 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 filter 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. PP melt blown cartridges are economical and classical filter media, which are widely used in liquid prefiltration industries.

Features & Benefits

- 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 cartridges have multi-layered construction, high contaminant holding capacity and long service life
- Many types of end caps are available by thermally-bonded, such as 222/fin, 222/flat, 226/fin, 226/flat etc.
- Customized special PP melt blown filter cartridges are accepted to meet specific application's requirements

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 is accepted)
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
End Cap	DOE, 222/Flat(SOE), 222/Fin(SOE), 226/Flat(SOE), 226/Fin(SOE)

Application

- Food & Beverage
- PCB industry, Electronic Industry
- Plating solution, Petrochemical Process
- Chemicals and Solvents, Pre RO/ID water filtration
- Pharmaceuticals, Industrial waste water treatment

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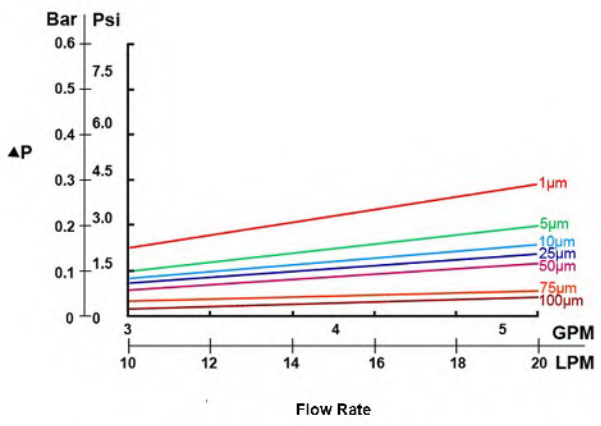
Operation Data

Maximum Operating Temperature	60 ℃(140℉)
Max. Differential Pressure	3.0 bar at 27℃ (43 psi at 80℉)
	2.0 bar at 60℃(29 psi at 140℉)
	1.0 bar at 60℃(15 psi at 140℉)
Liquid Flow Direction	Outside to inside
Recommend Change out Differential Pressure	2.5 Bar



Pressure Drop vs Flow Rate for 10"

Order Information

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

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 Filter Cartridges can be customized, such as special ID, OD, length and end caps etc.

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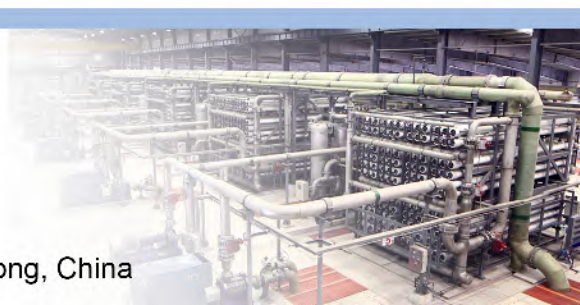
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