

String wound filter cartridge LT-PPCB

In general

LT-PPCB string wound cartridges are manufactured by a yarn wound around a central support core. The diagonal crossed pattern of the media forms a tight, interlocking depth structure. This design provides long service life, high contaminant holding capacity and low pressure drop. All cartridges are double open end (DOE) by standard.

Features

- 100% PP, bleached cotton or glass fiber yarn
- Compatibility with a wide range of process fluids
- Free of binders or adhesives
- High capacity of dust loading and long service time
- Low pressure drop
- FDA conformity, free of silicone and other types of contamination (exception: glass fiber cartridges)
- Suitable for pH-rating 1 to 13



String wound filter cartridge

Applications

Please check the chemical resistance against your fluid as well as the applicability for your application before usage:

- Electroplating, etching, and image development processes in PCB industry
- Pre-filter of DI & RO water filtration system for industry
- Filtration of low viscosity fluids of chemical industry
- Filtration of water for manufacturing processes and recycled water
- Removal of sediment from water in residential and light commercial applications

Technical data

Length**	Inner Ø	Outer Ø	Micron rating	Temperature	Differential pressure	Flow rate*
10" (254mm)	30 mm	63 mm	1 – 100 µm nominal rated	PP-yarn, PP-core: up to 70°C	max. 2 bar @ 60°C	0,8 – 1,6 m³/h
20" (508mm)				PP-yarn, SS-core: up to 90°C	max. 4,0 bar @ 20°C	1,6 – 3,2 m³/h
30" (762mm)				cotton-yarn, SS-core: up to 120°C	Exchange recommended at: 2,0 bar	2,4 – 4,5 m³/h
40" (1016mm)				glass fiber, SS-core: up to 400°C		3,2 – 6 m³/h

*Data based on laboratory trial with pure water at ambient temperature and controlled delta p of 0,1 bar.
Data may vary depending on specific application and filter cartridge used.

**Special lengths available

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Ordering information

LT-PPCB - P - 001 - 10 - P						
Type	Yarn Material	Fineness	Length	Core Material	Adapter code	Sealing
LT-PPCB	C: Cotton P: PP fiber G: glass fiber	001: 1 µm 005: 5 µm 010: 10 µm 020: 20 µm 030: 30 µm 050: 50 µm 075: 75 µm 100: 100 µm	5: 127 mm 9: 248 mm 10: 254 mm 20: 508 mm 30: 762 mm 40: 1016 mm	P: Polypropylene T: zinc coated steel S4: SS 304 S6: SS 316L	: Double open end 2: 226/Flat (SOE) 3: 222/Flat (SOE) 7: 226/Spear (SOE) 8: 222/Spear (SOE)	: no sealing E: EPDM V: Viton S: Silicone N: Buna