

WPP wound cartridge, nominal WBW wound cartridge, nominal



Depth filters made from a continuous fibre yarn wound around the core support

The filter cartridges consist of a continuous fibre yarn, which is wound around a fixed core support. This resulting yarn-structure forms the filter layer with a corresponding layer-thickness and depth-filter effect. Due to the use of various winding techniques, different thickness of yarn and tractive force during winding, the filter cartridges can be produced with a variety of fine filter ratings. Generally speaking, filter cartridges can be manufactured from all available materials in regard to yarn and core, in which the combination of a polypropylene yarn and polypropylene core in WPP filter cartridges has demonstrated the best results in the filtration application of aqueous mediums, acids, lyes and fine chemicals.

The yarn/core-combination of the WBW filter cartridge made of cotton on a stainless steel core is, in comparison, mainly used to filter solvents or cooling water condensate; in other words they are applied where technical operational requirements such as chemical resistance or temperatures > 90 °C exclude the use of polypropylene filter cartridges. Filter cartridges made of other materials such as glass fibre, polyester or nylon can be delivered custom-made on request.

Technical data

Material WPP:	Polypropylene with core support made of polypropylene
Material WBW:	Cotton with core support made of stainless steel
Filter rating:	1 µm to 200 µm
Temperature:	WPP: max. 90 °C WPP: max. 120 °C
Differential pressure:	Max. 2.5 bar
Dimensions:	Internal diameter: 28 mm External diameter: 62 mm Length: 4 7/8" – 40"
Adapter configurations:	DOE: without adapter Code 3F: 222/Flat Code 8S: 222/Fin Code 7S: 226/Fin
O-ring material for adapter:	NBR = Standard, optional EPDM, Silicone, Viton Viton FEP-encapsulated

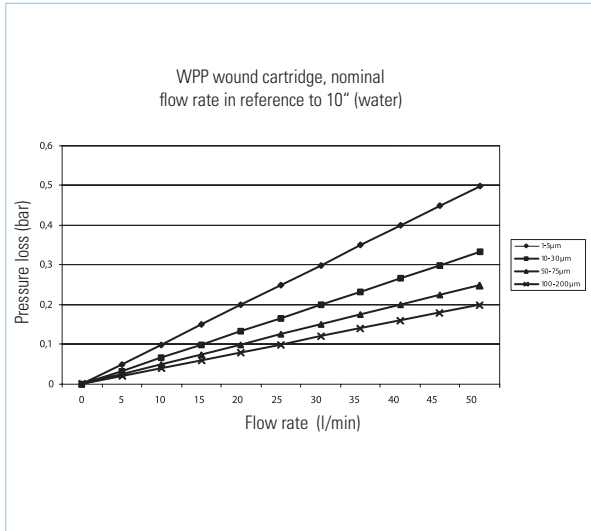
Applications

- Pre-filter for water treatment plants
- Suspended substance filter for well water
- Fine filters for cooling circuits
- Dirt filters for wash water
- Circulation filters for cleaning and degreasing baths
- Process filters for acids and lyes
- Fine filters for photo chemicals

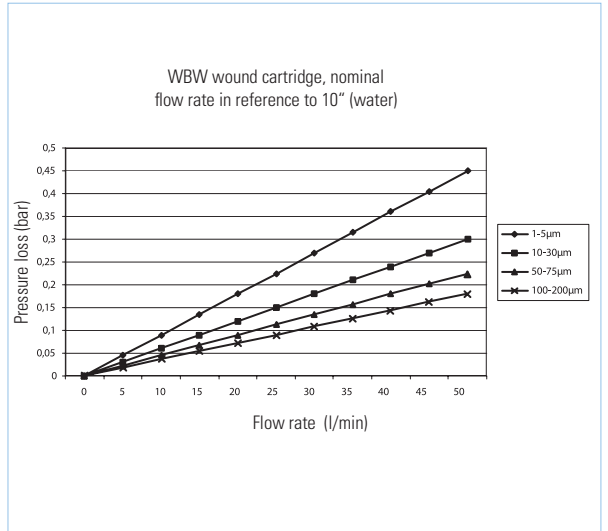
Features and Benefits

- 1 µm to 200 µm micron rating
- FDA-tested polypropylene material
- Lengths of 4 7/8" – 40"
- PP yarn also in washed version
- Various yarn/core materials
- All current adapter types deliverable
- High flow rates, low differential pressures

Flow rate



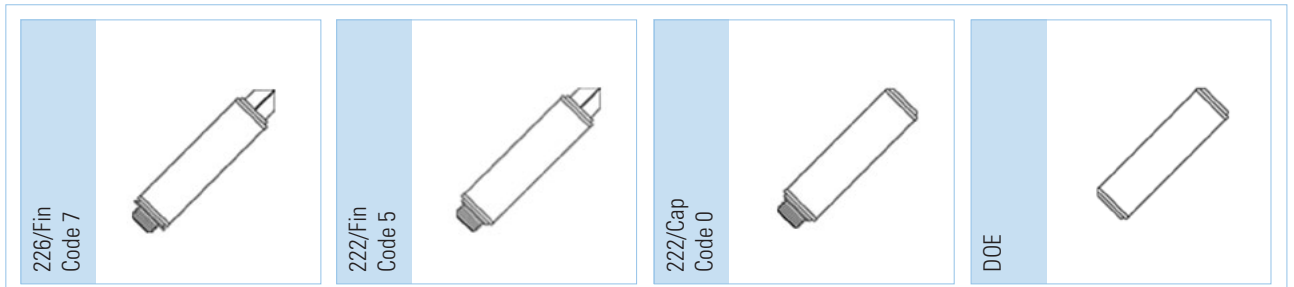
Flow rate



Surface (Wounding of cartridge)



Adapter Configurations



Order Information

WPP	010	P	093/4	B3F	G
	Filter rating	Core material	Filter length	Sealing compound/Adapter	Options
WPP: Polypropylene thread WBW: Cotton thread	001 1 µm	P Polypropylene	04 4" 102 mm	B Buna	G Washed
	003 3 µm	L V2A	05 5" 127 mm	V Viton	050 Ø 50 mm
	005 5 µm	T V4A	09 ¼ 9 ¾" 248 mm	E EPDM	110 Ø 110 mm
	010 10 µm		10 10" 254 mm	S Silicone	
	020 20 µm		19 ½ 19 ½" 496 mm	F FEP	
	025 25 µm		20 20" 508 mm		
	030 30 µm		29 ¼ 29 ¼" 744 mm	3F Code 0	
	050 50 µm		30 30" 762 mm	7S Code 7	
	075 75 µm		39 39" 992 mm	3S Code 5	
	100 100 µm		40 40" 1016 mm	- DOE	
150 150 µm		Special lengths per request	EXT Core extended		
200 200 µm					