

Depth Filters, 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.



WPP wound cartridge, nominal WBW wound cartridge, nominal

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 WBW: 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

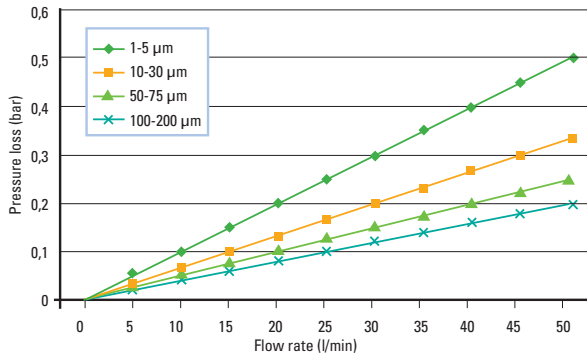
Applications

- 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

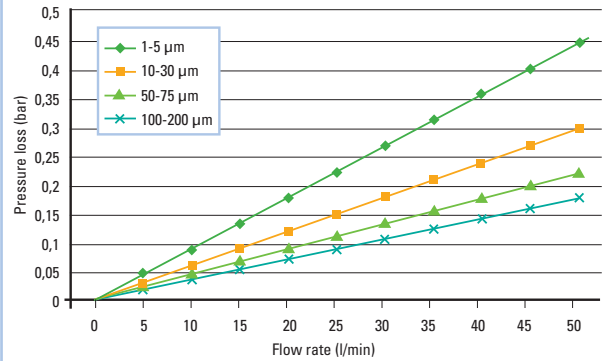
Features and Benefits

- 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

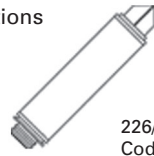
WPP wound cartridge, nominal
flow rate in reference to 10" (water)



WBW wound cartridge, nominal
flow rate in reference to 10" (water)



Adapter Configurations



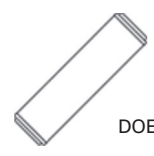
226/Fin
Code 7



222/Fin
Code 5

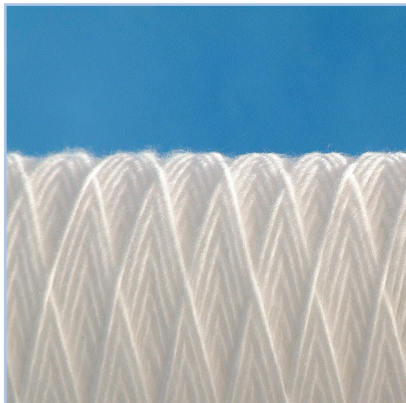


222/Cap
Code 0



DOE

	WPP	010	P	093/4	B3F	G	
	Filter rating	Core material	Filter length	Sealing compound/Adapter	Options		
WPP: Polypropylene 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 ¾ 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			
	WBW: Cotton thread	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					



Surface (Wounding of cartridge)