

Filopor Range

Filopor wound Filter cartridges are a versatile and effective filtering system. They are obtained from winding selected high quality yards over a centre core. This winding process causes a lot of identical (funnel-shaped), tapered, spiral passageways. Filtration takes place throughout the entire cartridge, not just on the surface, so large amounts of contaminant are trapped without a sudden rise in pressure caused by surface blinding. Filopor Filter cartridges are the most versatile type of industrial filters available.



Technical

Maximum flow rate for a 10" standard filter cartridge				
Nominal micron removal	Water, litre/h	1 centistoke (non waterbase liquid, litre/h)	SSU (non water base liquid litres/h)	25 centistokes (123 SSU non water base liquid litres /h)
100	2000	2000	2000	2000
75	2000	2000	2000	1600
50	2000	2000	2000	1200
30	2000	2000	2000	750
20	2000	2000	2000	450
10	1200	2000	860	170
5	680	1900	380	65
3	170	570	110	23
1	140	380	80	16

NOTE - The above table is related to rayon filter elements. The flow rate of 1500 l/h can be increase, but in this case it is recommended to contact our office. The flow rate of the filter is obtained by multiplying the flow rate of a single cartridge by the number of cartridges.

Compatibility Table

		Cartridge fibre	Cotton	Rayon	Polypro	Glass Fibre	Nylon	Polyester
		Maximum temperature (1) with stainless steel core, °C	120	120	50	400	135	135
Compatibility of the fibres	Organic acids	Good	Good	Excellent	Excellent	Moderate	Good	
	Alkali	Good	Good	Good	Poor	Good	Good	
	Oxidizing agents	Moderate	Moderate	Moderate	Excellent	Poor	Good	
	Organics solvents	Excellent	Excellent	Good	Excellent	Excellent	Excellent	
	Animal , Vegetable and Mineral oils	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
	Micro-organisms	Poor	Poor	Excellent	Excellent	Excellent	Excellent	
	Industrial water	Good	Good	Excellent	Excellent	Excellent	Poor	

Filopor Ordering Guide

Name	Micron Rating	Nominal Length	Centre Core Media	End Cap Type	Seal Type	Special
PP	1µm	3"	P = Polypropylene G = 304 S.Steel S = 316 S.Steel T = Tinned S.Steel	3	S-Silicone E-EPDM N-Nitrile	V = Core Cover
PE	3µm	4"		4		
CT	5µm	5"		7		
GF	10µm	7"		8		
RT	20µm	10"				
NT	30µm	20"				
	50µm	30"				
	75µm	40"				
	100µm	50"				
		60"				

Ordering Guide Example: PP-1-10-P

Key: PP = Polypropylene, PE = Polyester, CT = FDA Cotton, GF = Glass Fibre, RT = FDA Rayon, NT = Nylon

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