

HQ Optimal wound depth filter cartridges are manufactured using high quality yarn fibers wound around a perforated support core made of plastic or metal.

This filter can bear very high temperatures, and provides high dirt holding capacity with high flow rates and low pressure loss.

FEATURES AND BENEFITS

- Micron rating from 1 to 200µm
- Protection of absolute filters
- Available in larger diameter: B-BLUE
- Economical choice for the pre filtration and guard filtration before critical filtration
- Assorted range of fiber types: Polypropylene, polyester, nylon and glass fiber
- Materials meet the FDA and CE requirements
- Available in a comprehensive range of end cap configurations for retrofitting existing applications
- High dirt holding capacity
- Wide chemical compatibility
- Integral support core
- Applications: Food and beverage industries (pre filtration and clarification), chemical and petrochemicals applications, water treatment, cosmetics, etc.

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONS

- Outer diameter: 69mm / 2.75" B-Blue: 117mm / 4.60"
- Inner diameter: 33mm / 1.30"
- Length: 5 to 70" / 127 to 1778mm

MATERIALS OF CONSTRUCTION

- Filter media (various yarns):
 - * Polyester
 - * Cotton
 - * Polypropylene
 - * Glass fiber
 - * Washed polypropylene
 - * Nylon
- Inner core: Polypropylene or 304 / 316L Stainless steel
- End caps: Polypropylene
- Standard O'ring/gaskets: Silicone or EPDM (other options available)



OPERATING CONDITIONS

Cartridge code	Max. Temperature	Max. differential pressure
WS (polypropylene)	80°C - 172°F	4.0bar - 58psi
WC (cotton)	150°C - 300°F	5.0bar - 72psi
WG (glass fiber)	300°C - 572°F	6.0bar - 87psi

Aprox. Flow rate (10") at 2 bar, Δp 0.2 bar	
1 - 3μm	1.000 l/hr
5 - 10μm	1.500 l/hr
20 - 30μm	2.000 l/hr
50 - 70 - 100μm	2.500 l/hr

CHEMICAL COMPATIBILITY

	Excellent	Good	Low
Organic agents	X		
Alkali		X	
Oxidant agents			X
Organic solvents		X	
Mineral & edible oils	X		
Microorganisms	X		
Industrial water	X		



ORDERING INFORMATION

W								
MEDIA	CORE	LENGTH (*)	MICRON (*)	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT	
P - Polypropylene	P - Polypropylene	10 - 10'/254mm	001 - 1μm	A - DOE no Gaskets	A - DOE no Gaskets	S - Silicone	(Blank) - No insert	
C - Cotton	4 - SUS304	20 - 20'/508mm	005 - 5μm	B - DOE with Gaskets	B - DOE with Gaskets	E - EPDM	G - Glass Fiber	
G - Glass fiber	6 - SUS316	30 - 30'/762mm	010 - 10μm	C - 226	F - Flat	V - Viton	S - St. St.	
N - Nylon	(blank) - No core	40 - 40'/1016mm	025 - 25μm	D - 222	S - Spear	T - Teflon		
			050 - 50μm	E - 222 Sartorius (3 tabs)				
			100 - 100μm	J - Junior 214				
				K - Junior 216				

* Other sizes available

* Other micron available