



Wound Filter Cartridges - Cotton

Cotton is a rough, ribbon-shaped fiber with a large surface area. As such, cotton has a high dirt-holding capacity and makes an excellent filter media.

GPS processed cotton is an all-bleached, natural fiber with no finish. The recommended operating temperature is 121°C. All materials in our GPS cotton cartridges meet the requirements for applications that fall under Food and Drug. No taste or odor is imparted by the cotton fiber.

All GPS cotton wound Cartridges provide true depth filtration through hundreds of tapered filtering passages of controlled size and shape. The diagonal winding of roving on a center core makes a firm interlocking weave that results in a cartridge that prevents channeling and by passing, and greatly reduces fiber migration. As the cartridge is wound, each layer of roving is napped to increase filtration capabilities. As a result, each layer of roving adds its contribution to true depth filtration by trapping its share of particles. In addition, the irregular outer surface helps prevent surface blinding and helps to assure longer cartridge life and full cartridge utilization. Wound cartridges offer a gradual pressure increase during cartridge life versus surface-type media that have an abrupt flow cut-off when loaded.

Wound Filter Cartridges - Cotton

- Vegetable oil – Fatty Acids
- Beverages – Citric Acids
- Hydrocarbons – Alcohols
- Process Water
- Paints
- Organics Solvents
- Petroleum Oils

Wound Filter Cartridges - Cotton Materials

- Filtering Medium: Cotton
- Core: SS304, SS316

Removal Ratings

- 0.5µm, 1 µm, 5 µm, 10 µm, 20 µm, 50 µm and custom ratings

Dimensions

Standard Cartridge:

- Lengths: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm, 40" / 1016 mm
- Out side Diameter: 63.5 mm
- In Side Diameter: 28 mm

Jumbo Cartridge:

- Lengths: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm
- Out side Diameter: 116 mm
- In Side Diameter: 28 mm

Effective Surface Area:

- Standard Cartridge: 0.05 m2/10"
- Jumbo Cartridge: 0.09 m2/10"

Operating Conditions

- Maximum temperature: 121⁰C
- Maximum Forward Pressure: 4.1 kg/cm2
- Maximum differential pressure: 1.1 bar

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Item Code	Size	Length	Micron	Support Core
WCPC	ST - Standard	L1 – 10"	M0 – 0.5 Micron	CS – SS 304
	JU - Jumbo	L2 – 20"	M1 – 1 Micron	CSS – SS 316
		L3 – 30"	M2 – 5 Micron	
		L4 – 40"	M3 – 10 Micron	
			M4 – 20 Micron	
			M5 – 50 Micron	

NOTE: L4 – 40" Length is not available in Jumbo Size.