



### **Wound Filter Cartridges - Rayon**

GPS Wound depth rayon cartridges are ideal for filtering organic solvents, and animal, petroleum, and vegetable oils. Wound depth rayon cartridges can be used at temperatures to 121°C and are an economical alternative when food and drug grade rayon cartridges are not required.

Fluid compatibility similar to bleached cotton, but with more coarse fibers, and less absorbent than cotton. Swells in aqueous solutions.

All GPS Rayon 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 - Rayon**

- Organic Solvent
- Oils
- Organic Acids
- Alkalis
- Alcohols – Hydrocarbons
- Fatty Acids

### **Wound Filter Cartridges - Rayon Materials**

- Filtering Medium: Rayon
- 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 m<sup>2</sup>/10"
- Jumbo Cartridge: 0.09 m<sup>2</sup>/10"

**Operating Conditions**

- Maximum temperature: 121<sup>0</sup>C
- Maximum Forward Pressure: 4.1 kg/cm<sup>2</sup>
- Maximum differential pressure: 1.1 bar

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Item Code	Size	Length	Micron	Support Core
WRP	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.