



Wound Filter Cartridges - Polypropylene

GPS Wound Depth Polypropylene Cartridges have broad chemical compatibility with many different fluids and also have excellent resistance to micro-organisms. They have a maximum operating temperature of 70°C and are constructed of materials, which meet Food and Drug Administration requirements. The finish of synthetic polypropylene does not impart tastes or odor and is low-foaming.

All GPS Polypropylene 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 - Polypropylene

- Mineral Acid
- Organic Solvents
- Zinc Chloride
- Caustic Soda
- Ferric Hydroxide
- Planting Solutions
- Animal, Petroleum And Vegetable Oils
- Oxidizing Agent
- Alkalis
- Organic Acid
- Portable Water
- Demineralized Water
- Photographic Solutions
- Ethyl Alcohol
- Pre-membrane Filtration

Wound Filter Cartridges - Polypropylene Materials

- Filtering Medium: Polypropylene

- Core: Polypropylene, 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: 70°C
- Maximum Forward Pressure: 4.1 kg/cm²
- Maximum differential pressure: 1.1 bar

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

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