

MicroSentry™ MS Series

Wound Filter Cartridges



- Precision winding patterns ensure accurate filtration ratings and high retention efficiencies
- State-of-the-art computerized production machinery eliminates product variability
- Various fibers and core materials for compatibility with a broad range of chemicals and high temperature applications
- Suitable for filtration of liquids, compressed air and gases
- Cost-effective and proven versus melt blown, spun-bond and resin-bonded cartridges
- Available in standard 2 1/2" and 4 1/2" (BB Style) cartridge diameter configurations and other

Applications

Oils	Air / Gas
Petrochemicals	Photo Solutions
Magnetic Coatings	Process Water
Food & Beverage	Solvents
Pre-filtration	Paint / Inks
Water & Wastewater	Chemicals

Specifications & Operating Parameters

Pore Sizes 0.5, 1, 3, 5, 10, 20, 25, 30, 50, 75, 100, 150 microns

Nominal Lengths 4 3/4", 4 7/8", 9 3/4", 9 7/8", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"

Outside Diameters 2", 2 3/8", 2 1/2", 2 3/4", 4 1/2"

Inside Diameter 1"

Materials of Construction

Filter Media: Fibrillated Polypropylene, FDA Polypropylene, Industrial Polypropylene, Natural Cotton, FDA Bleached Cotton, Industrial Bleached Cotton, Polyester, Glass Fiber, Nylon, Rayon

Core: Polypropylene, 304 Stainless Steel, 316 Stainless Steel, Tin Steel

Maximum Operating Temperature

Material	Polypropylene Core	Metal Core
Cotton	140°F (60°C)	250°F (121°C)
Glass	140°F (60°C)	750°F (402°C)
Nylon	140°F (60°C)	275°F (135°C)
Polypropylene	140°F (60°C)	180°F (82°C)
Polyester	140°F (60°C)	275°F (135°C)
Rayon	140°F (60°C)	275°F (135°C)

Recommended Change-out Differential Pressure

20 psid (1.4 bar)

FDA and USP Compliance

FDA Bleached Cotton and FDA Polypropylene filters are manufactured of materials that comply with FDA requirements for food contact per CFR Title 21

