

FILTRATION GROUP

LIQUID BAG FILTRATION



- 1-1500 micron rated filter bags available in a variety of materials
- Four types of bag collars
- Standard and custom sizes
- ISO 9000 certified
- Bag filter vessels available
- Variety of media types



DESCRIPTION

Flowstar bag filters are available in a wide variety of high quality media including felt, mesh and meltblown. Bag tops offered include plastic collars, carbon steel and stainless steel rings, commercial bands, and drawstrings. All industry standard size filter bags are readily available, and custom size bags can be manufactured to meet your specific filtration requirements and specifications.

BENEFITS

- Heat treated finishes to inhibit fiber migration
- Nomex and Teflon materials for applications requiring superior temperature and chemical resistance

- Multi-layered filters for higher dirt loading capacity
- Micron rated material from 1 to 1500 available
- One piece molded tops with handles available to insure a positive seal

APPLICATIONS

Flowstar filter bags are excellent particulate filters for a wide variety of liquid applications. Typical applications using Flowstar bag filters include: Chemicals, Electronics, Water, Paints & Coatings, Food & Beverage and Ink Manufacturing.



MATERIAL/MICRON RATING		1	3	5	10	25	50	75	100	125	150	200	250	300	400	600	800	1200	1500
FIBER	MATERIAL																		
Polyester	Felt	n	n	n	n	n	n	n	n			n							
Polypropylene	Felt	n	n	n	n	n	n	n	n			n							
Nomex	Felt	n		n	n	n	n		n			n							
Teflon	Felt	n		n	n														
Polypropylene	Microfiber	n	n	n	n	n	n		n										
Nylon	Monofilament	n		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Polypropylene	Monofilament							n	n	n	n	n	n	n	n	n	n	n	n
Polyester	Multifilament							n	n	n	n	n	n	n	n	n	n	n	n

FILTER FABRICS CHEMICAL AND PHYSICAL PROPERTIES						
FIBER	MAX TEMP	ALKALIES	MINERAL ACIDS	ORGANIC ACIDS	OXIDIZING AGENTS	ORGANIC SOLVENTS
Polyester	300°F	Fair	Fair	Fair	Good	Good
Polypropylene	200°F	Excellent	Excellent	Excellent	Good	Excellent
Nomex	400°F	Good	Fair	Fair	Poor	Very Good
Teflon	500°F	Excellent	Excellent	Excellent	Excellent	Excellent
Nylon	275°F	Good	Poor	Poor	Fair	Very Good

MEDIA TYPES

Filter bags are available in mesh, precision needled felt and meltblown in a large choice of filter materials and micron ratings.



- **Mesh** - This media is a woven structure that separates solids on the surface. The mesh is designed to deliver an absolute micron rating without fiber migration.



- **Felt** - The three dimensional structure creates high flow depth filtration without fiber shedding. Depth filtration separates the coarse particles on the surface and the finer particles in the depth of the needled felt. The media will deliver a nominal micron rating with 60-70% efficiency.



- **Meltblown** - The multi-layer structure provides improved depth filtration and dirt holding capacity. Each layer is designed to catch different size particles. This creates high efficiency (90-98%), absolute micron rating and high oil absorption capabilities.

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