

Fulflo® Filter Cartridges

- Polyester
- Polypropylene
- Viscose Rayon
- Nomex®*
- Multifilament Nylon
- Multifilament Polyester

Filter Bag & Media Strainer Series

Fulflo® Filter Bags Provide High Quality, Consistent Filtration Performance

Fulflo Filter Bags are ideal for virtually any process filtration application requiring the removal of solids. Parker's Fulflo filter bags are manufactured and tested under the strictest quality control standards to assure consistent performance. Parker's Fulflo filter bags perform at high flow rates where liquid with viscosities up to 10,000 cps requires filtration.

XLH filter bags perform at the same efficiency as many cartridges. XLH bags are available in 1µm, 2.5µm, 5µm, 10µm and 25µm particle retention ratings.

Standard Fulflo Filter Bags are available in 1µm to 800µm particle retention ratings.

Applications

- Adhesives
- Beverages
- Bulk Chemicals
- Coatings
- Coolants
- Edible Oils
- Inks
- Liquid Detergents
- Paints
- Parts Washing Systems
- Petroleum Oils
- Prefilters for Finer Cartridges
- Resins
- Solvents
- Water



Features and Benefits

- Standard filter bags are sized to fit Fulflo® vessels and most major competitive models.
- The "C"-Style Fulflo bag features a standard, flexible, stainless steel band which positively self-seals the bag into standard Parker bag housings.
- The "G"-Style Fulflo bag features a carbon steel snap ring for positive sealing in competitive housings.
- Fulflo Quik-Seal™ option is available for both polyester and polypropylene Fulflo® filter bags.
- Bags are available with glazed surface treatment to effectively control migration of fibers into the filtered product.

XLH Features and Benefits

- Parker's XLH all-polypropylene high efficiency filter bags provide twice the dirt-holding capacity at a lower cost than many competitive bags and cartridges of the same micrometer rating.
- XLH bags require less frequent change out, less storage and disposal space, and are easy to install and remove.
- Each bag is incinerable (with Quik-Seal™ option or polypropylene ring), reducing filter disposal costs.
- Heavy-duty fabric handle makes removal fast and simple.
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.

Process Filtration Division

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Filter Bag & Media Strainer Series

Specifications

Effective Removal Ratings:

- 1 µm to 800µm

Maximum Operating Temperature (by Media Makeup):

- Standard FDA-grade Polyester bags (PFD Lofted Mat) 275°F (136°C)
- Viscose Rayon: 250°F (122°C)
- Polypropylene: 200°F (94°C)
- Multifilament Nylon Mesh and Needled Felt: 275°F (136°C)
- Nomex®: 425°F (220°C)
- Multifilament Polyester Mesh: 275°F (136°C)

PFD Bag Dimensions:

- C1: 7.5 in x 18.375 in (191 mm x 468 mm)
- C2: 7.5 in x 31.5 in (191 mm x 800 mm)
- G1: 7 in x 17.25 in (177 mm x 438 mm)
- G2: 7 in x 31.25 in (177 mm x 794 mm)

Fulfo® Filter Bags Are Available in a Variety of Media Including:

- Microfiber:** Polypropylene microfiber used in the XLH bag series assures high-efficiency performance and is oil absorbent. Particle retention ratings at 1µm, 2.5µm, 5µm, 10µm and 25µm.
- Felt:** Synthetic needled fabric offers cost-effective depth filtration. Particle retention ratings from 1µm to 200µm.

XLH Flow /ΔP Factors

Rating (µm)	Flow Factor
1	0.26
2.5	0.24
5	0.15
10	0.08
25	0.06

Surface Area per Bag (ft²)

- C1: 2.5 (2325 cm²)
- C2: 4.5 (4185 cm²)
- G1: 2.0 (1860 cm²)
- G2: 4.4 (4092 cm²)

Volume per Bag (gal)

- C1: 2.5 (9.5 liter)
- C2: 4.7 (18 liter)
- G1: 2.1 (8 liter)
- G2: 4.6 (17.5 liter)

- Glazed:** In polypropylene or polyester felts, the surface fibers are melted, bonding them to one another, reducing the possibility of fiber migration.
- Multifilament Mesh:** Strong fabric woven from twisted strands. Particle retention ratings from 150µm to 800µm.
- Lofted Mat With Scrim:** Lofted mat covered by a nonwoven layer to prevent fibers from migrating into the filtered product. Particle retention ratings from 1µm to 200µm.

Standard Bags Flow Factors

Rating (µm)	Flow Factor
1	0.015
3	0.011
5	0.008
10	0.005
25	0.003
50	0.002
75	0.001
100	0.001

Flow Rate and Pressure Drop Formulas:

$$\text{Flow Rate (l/min)} = \frac{\text{Clean } \Delta P \times \text{Length Factor}}{\text{Viscosity} \times \text{Flow Factor}}$$

$$\text{Clean } \Delta P = \frac{\text{Flow Rate} \times \text{Viscosity} \times \text{Flow Factor}}{\text{Length Factor}}$$

Notes:

- Clean ΔP** is m bar differential at start.
- Viscosity** is centistokes. Use Conversion Tables for other units.
- Flow Factor** is ΔP/l/min at 1 cks for 254mm (or single).
- Length Factors** convert flow or ΔP from 254mm (single length) to required cartridge length.

XLH Filter Bag Liquid Particle Retention Ratings

Rating (µm)	Particle Size (µm) at Which Efficiency Is:	
	90%	99%
1	1	10
2.5	2.5	16
5	5	18
10	10	22
25	25	40

Ordering Information

G	2	PE	P	25	XLH	Q
Bag Style	Bag Size	Media	Construction	Micron	Construction	Options
C = PFD	"G" Style	PE = Polyester	P = Needled Felt	1, 3, 5, 10, 25, 50, 75,	XLH = High Efficiency Bag (Polypropylene Only)	S = 304 SS Ring "G" Style
G = AFF	1 = #1	P = Polypropylene	No Symbol = PFD Lofted Mat	100, 200 (PE)	(Polypropylene Only)	H = Handle
FSC	2 = #2	V = Viscose Rayon	PG = Glazed	1, 3, 5, 10, 25, 50, 100 (P)	No Symbol = Standard Bag	N = Polyester (150µm) Mesh Cover
FSI	"C" Style	NOM = Nomex	Needled Felt	5, 10, 25, 50, 75, 100 (V)		-Q = Quik-Seal™ Option
GAF	1 = #1	MN = Nylon		5, 10, 25, 50, 100 (NOM)		P = Polypropylene Ring
Rosedale	2 = #2	PEMU = Polyester Multifilament		150 (MN)		
		MNO = Nylon Monofilament		150, 250, 300, 400, 600, 800 (PEMU)		
				1, 2.5, 5, 10, 25 (XLH)		
				50, 75, 100, 150, 200, 250, 300, 400, 600, 800 (MNO)		

* A trademark of E. I. du Pont de Nemours & Co.

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