XLH Filter Bags

- Polypropylene

Filter Bag and Media Strainer Series

Fulflo® XLH High Efficiency Filter Bags Provide High Quality 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 and viscosities to 10,000 cps or higher.

XLH high efficiency filter bags perform at efficiencies similar to depth cartridges. XLH bags are available in 0.5µm, 1µm, 2.5µm,10µm and 25µm 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

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), reducing filter disposal costs.
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.

Process Filtration Division

Bulletin C-5031 Eff. 12/04

Specifications

Effective Removal Ratings:

- 0.5µm to 25µm

Maximum Recommended Operating Conditions:

- Temperature: Polypropylene: 200°F (94°C)
- Flow Rate: (Per single length) XLH: 25 gpm (95 lpm)
- Changeout ΔP: 35 psi (2.4 bar)
- Pressure: 70 psid (4.8 bar)

Standard Seal: (No seal option specified)

- C = Plastic Quik-Seal Ring
- G = Steel Snap Ring

XLH Filter Bag Retention Ratings

Rating (µm)	Particle Size (µm) at Which Efficiency Is: 90%	95%	99%
0.5	0.5	1	5
1	1	2	10
2.5	2.5	4	16
10	10	14	22
25	25	30	40

Bag Media Selection:

- **Microfiber**: FDA grade polypropylene microfiber used in the XLH bag series assures high-efficiency performance and is oil absorbent. Particle retention ratings from 0.5µm to 25µm.

XLH Flow Factors

Rating (µm)	Flow Factor
0.5	0.0185
1	0.0143
2.5	0.013
10	0.0043
25	0.0031

Flow Rate and Pressure Drop Formulae:

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

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

Notes:

1. **Clean ΔP** is PSI differential at start.
2. **Viscosity** is centistokes. Use Conversion Tables for other units.
3. **Flow Factor** is ΔP/GPM at 1 cks for single length bag.
4. **Length Factors** convert flow or ΔP from from single length bags. Use length factor of 1 for single length and a factor of 2 for double length.

Ordering Information

Bag Style	Bag Size	Media	Micron	Seal Options	Other Options
C	1	XLH - High Efficiency	0.5, 1, 2.5, 10, 25	F = Flex Band Seal	
	2				
G	1	XLH - High Efficiency	0.5, 1, 2.5, 10, 25	Q = Top Sealing Plastic Ring	H = Cotton Handle
	2				

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