

C-5030

Fulflo® Filter Bags

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 and viscosities to 10,000 cps or higher.

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



Benefits

- Standard filter bags fit Fulflo® vessels and most major competitive models
- The "C" Style Fulflo® bag features a polypropylene Quik-Seal ring which effectively seals the bag into standard Parker bag vessels
- The "G" Style Fulflo® bag features a carbon steel snap ring for positive sealing in competitive vessels
- Fulflo® Quik-Seal™ option is available for all "G" style Fulflo® filter bag media
- Felt bags come standard with glazed surface treatment to effectively control migration of fibers into the filtered product
- Polypropylene felt (P) bags are suitable for incidental food contact per CFR Title 21

Applications

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



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Specifications

Maximum Recommended Operating Conditions:

Temperature:

Polyester: 275°F (136°C)

Polypropylene: 200°F (94°C)

Monofilament Nylon Mesh: 275°F (136°C)

Nomex®*: 425°F (220°C)

Multifilament Polyester Mesh: 275°F (136°C)

Flow Rate: (Per single length)

Standard Bag: 80 gpm (303 lpm)

Changeout ΔP: 35 psi (2.4 bar)

Pressure: 70 psid (4.8 bar)

Size:

C1: 7.5" X 17.5"

C2: 7.5" X 31.5"

G1: 7" X 17.5"

G2: 7" X 31.5"

Effective Removal Ratings:

0.5µm to 800µm

Bag Media Selection:

Monofilament Mesh: Single strand nylon with retention ratings from 100µm to 600µm

Glazed Felt: In polypropylene or polyester felts, the surface fibers are melt bonded to one another, reducing the possibility of fiber migration

Multifilament Mesh: Strong fabric woven from twisted strands. Particle retention ratings from 150µm to 800µm

High Temperature Nomex®

Standard Seal: (no seal option specified)

C = Plastic Quik-Seal™ Ring

(polypropylene

for P felt and polyester for PE felt)

G = Steel Snap Ring

Standard Bag Flow Factors

| Rating (µm) | Flow Factors |
|-------------|--------------|
| 1 | 0.00083 |
| 3 | 0.00059 |
| 5 | 0.00044 |
| 10 | 0.00029 |
| 25 | 0.00017 |
| 50 | 0.00013 |
| 75 | 0.00008 |
| 100 | 0.00007 |

Flow Rate and Pressure Drop Formulas

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

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

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 single length bags. Use length factor or 1 for single length and a factor of 2 for double length.

Ordering Information

| Bag Style | Bag Size | Media | Micron | Seal Options | Other Options | Example |
|------------------------------------|----------|-------------------|---|-------------------------------|-------------------|-------------|
| Polypropylene, Polyester Felt Bags | | | | | | |
| C | 1 | P = Polypropylene | 1, 3, 5, 10, 25, 50, 100 (P) | F = Flex Band Seal | | C2PE10 |
| | 2 | PE = Polyester | 1, 3, 5, 10, 25, 50, 75, 100, 200, (PE) | | | C2P50-F |
| G | 1 | P = Polypropylene | 1, 3, 5, 10, 25, 50, 100 (P) | Q = Top Sealing Plastic Ring | | G2PE25 |
| | 2 | PE = Polyester | 1, 3, 5, 10, 25, 50, 75, 100, 200, (PE) | | | G1P100-Q |
| Polyester Multifilament Bags | | | | | | |
| C | 1 | PEMU = Polyester | 150, 200, 250, 300, 400, 800 | F = Flex Band Seal | | C2PEMU150-P |
| | 2 | | | PE = Polyester Quik-Seal Ring | | |
| G | 1 | PEMU = Polyester | 150, 200, 250, 300, 400, 800 | Q = Top Sealing Plastic Ring | H = Cotton Handle | G2PEMU400-H |
| | 2 | | | | | |
| Nomex Felt Bags | | | | | | |
| C | 1 | NOM = Nomex | 25, 50, 100 | F = Flex Band Seal (Required) | | C2NOM50 |
| | 2 | | | | | |
| G | 1 | NOM = Nomex | 25, 50, 100 | | H = Cotton Handle | G1NOM50 |
| | 2 | | | | | |
| Nylon Monofilament Bags | | | | | | |
| C | 1 | MNO = Nylon | 100, 200, 300, 400, 600 | F = Flex Band Seal | | C2MNO200 |
| | 2 | | | PE = Polyester Quik-Seal Ring | | |
| G | 1 | MNO = Nylon | 100, 200, 300, 400, 600 | Q = Top Sealing Plastic Ring | | G2MNO200-Q |
| | 2 | | | | | |

Specifications are subject to change without notification.

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SPEC-C5030-Rev. A 01/08



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