PROGAF™ Filter Bag Range

Request a Quote Today!

The filter bag that works better than a filter cartridge

Eaton's PROGAF filter bags are suitable for a wide range of applications such as food and beverages, pharmaceuticals, chemicals, inks, colors and water purification, as well as applications in microelectronics and many more.

PROGAF filter bags constitute a new, high-performance alternative for applications requiring *absolute* filtration. The multistage filtration, with filter material that gets finer from layer to layer, provides optimum efficiency (greater than 99.9%) and a long operating life.

Features and benefits

- Fully-welded construction with patented SENTINEL® seal ring provides 100% bypass-free filtration and better performance for critical applications
- The pressure-activated SENTINEL seal ring provides a flexible, chemically resistant seal which adapts to any bag filter housing
- The specially developed filter material structure provides a long operating life as well as *absolute* filtration
- The structure of the filter bag consists of up to twelve layers of a medium that gets finer and finer from one layer to the next
- The 100% polypropylene design stands for "silicone-free" materials[1] combined in an economical and easily disposable filter bag
- PROGAF filter bags are made from the finest hydrophobic polypropylene fibers that require wetting with an aqueous solution (detailed instructions for use are included in every box of PROGAF filter bags)
- Eaton strongly recommends the use of an insertion tool that facilitates the insertion of the filter bag into the bag filter housing and ensures the correct alignment of the filter bag inside the restrainer basket

Filter specifications

Material
Melt-blown polypropylene

Cover layer
Polypropylene mesh

Seal ring
Welded polypropylene SENTINEL seal ring

Retention ratings[2]
1, 2, 12 µm @ > 99.9% efficiency

Dimensions/Parameters

Size
02: Ø 7 x 32" L (180 x 810 mm)

Filter area
02: 5.2 ft² (0.48 m²)

Max. operating temperature
194 °F (90 °C)

Max. differential pressure
36 psi (2.5 bar)

Recommended change-out pressure for disposal[3]
11.6 – 21.7 psi (0.8 – 1.5 bar)

Max. flow rate[4]
02: 44 GPM (10 m³/h)

FDA/EC Conformity

All propylene materials used for manufacturing comply with the FDA requirements according to title 21, Section 177 and the EC Directives 1935/2004 and 2002/72/EC for contact with food and beverages.

EATON
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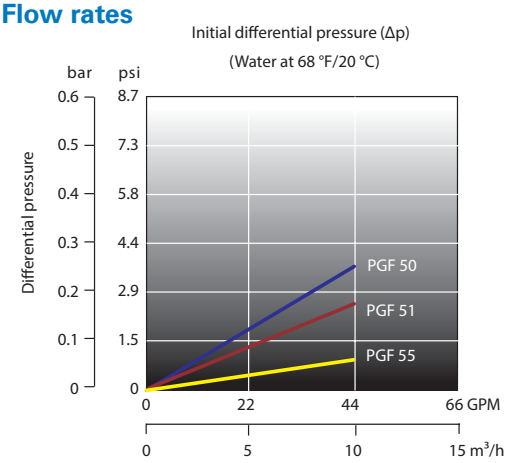
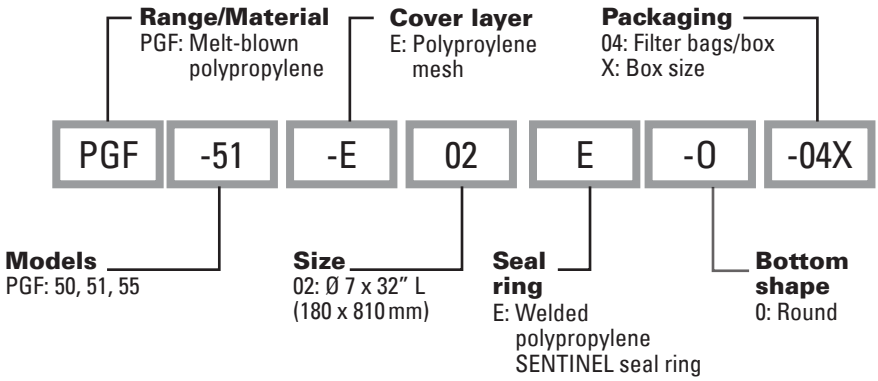
Flow rates

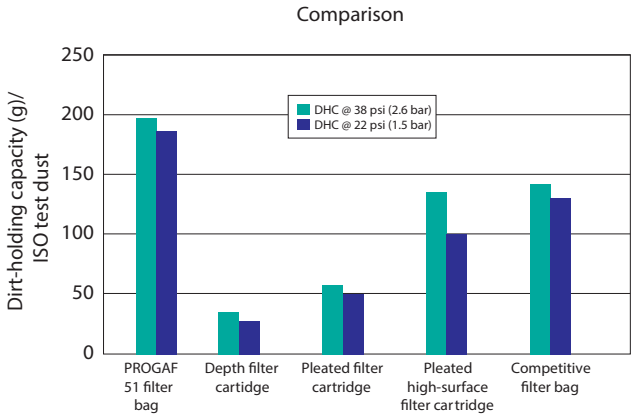


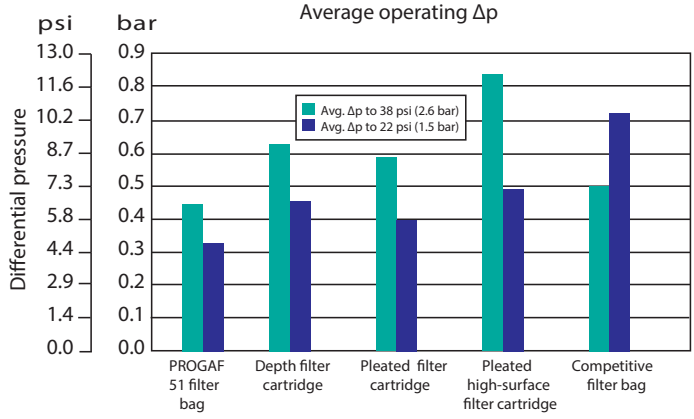
Ordering information



Filter removal efficiency

Models	Particle sizes (µm) at common removal efficiencies (%)					Δp psi (bar) size 02 @ 44 GPM (10 m³/h)	Max. operating temperature °F (°C)
	> 60%	> 90%	> 95%	> 99%	> 99.9%		
PGF 50	-	-	0.15	0.45	1	3.6 (0.25)	194 (90)
PGF 51	> 80 @ 0.15	0.3	0.45	0.5	2	2.5 (0.17)	194 (90)
PGF 55	1	3	6	10	12	0.9 (0.06)	194 (90)





[1] Based on an accepted paint compatibility test (see document QUC-STA-10).
[2] Reference values based on single pass tests in ambient lab conditions with ISO test dust in water at 44 GPM (10 m³/h)/size 02.
[3] Depending on the respective applications and their requirements.
[4] For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).

US
EF-FTB-03
08-2014