

CLEARGAF™ Filter Bag Range



Fully compliant and approved for pharmaceuticals, food and beverages

Eaton's CLEARGAF filter bags are suitable for a wide range of applications, such as the filtration of edible oil, gelatine, mineral water, juices, sugar, dairy and many more.

CLEARGAF filter bags meet the requirements for EC migration performance evaluated, tested and certified by independent food research institute. They are manufactured under special conditions to ensure that they contain no contamination. To keep the filter bags contamination-free, they are individually sealed in protective plastic packaging.

Features and benefits

- Selected materials ensure compliance with all food applications. In the case of sewn bags, a special lubricant-free thread material is used
- An independent lab analysis ensures that EC and FDA requirements are met
- Migration is strongly reduced through the careful selection of polymers that are considered to be safe under food law
- Patented SENTINEL® seal ring prevents liquid bypass for safe filtration

- Single packaging keeps filter bags free from contamination during shipping and storage prior to use
- 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

Materials

Needle felt polypropylene or polyester
Extended-life needle felt polypropylene or polyester
Nylon monofilament
Melt-blown polypropylene

Cover layer

Polypropylene mesh (AGF, PGF)

Seal rings

Welded polypropylene or polyester SENTINEL seal ring

Retention ratings

1, 5, 10, 25, 50, 80, 100, 125, 150, 200, 250, 300, 400, 600, 800 µm
AGF: 1.5, 3, 5, 10, 25 µm
@ > 99% efficiency¹
PGF: 1, 2, 12 µm
@ > 99.9% efficiency¹

Dimensions/Parameters

Sizes

01: Ø 7 x 17" L (180 x 430 mm)
02: Ø 7 x 32" L (180 x 810 mm)

Filter area

01: 2.6 ft² (0.24 m²)
02: 5.2 ft² (0.48 m²)

Max. operating temperatures

Polypropylene: 194 °F (90 °C)
Polyester: 284 °F (140 °C)
Nylon monofilament: 284 °F (140 °C)

Max. differential pressure

36.2 psi (2.5 bar)

Recommended change-out pressure for disposal²

11.6 – 21.7 psi (0.8 – 1.5 bar)

Max. flow rates³

POF, POXLF, PEF, PEXLF, NMOF:
01: 88 GPM (20 m³/h)
02: 176 GPM (40 m³/h)
AGF:
01: 35 GPM (8 m³/h)
02: 66 GPM (15 m³/h)
PGF:
02: 44 GPM (10 m³/h)

FDA/EC conformity

All polypropylene and polyester materials used comply with EC Regulation 1935/2004 and 10/2011 as well as FDA requirements according to Title 21, Section 177, as applicable for food and beverage contact.

EATON

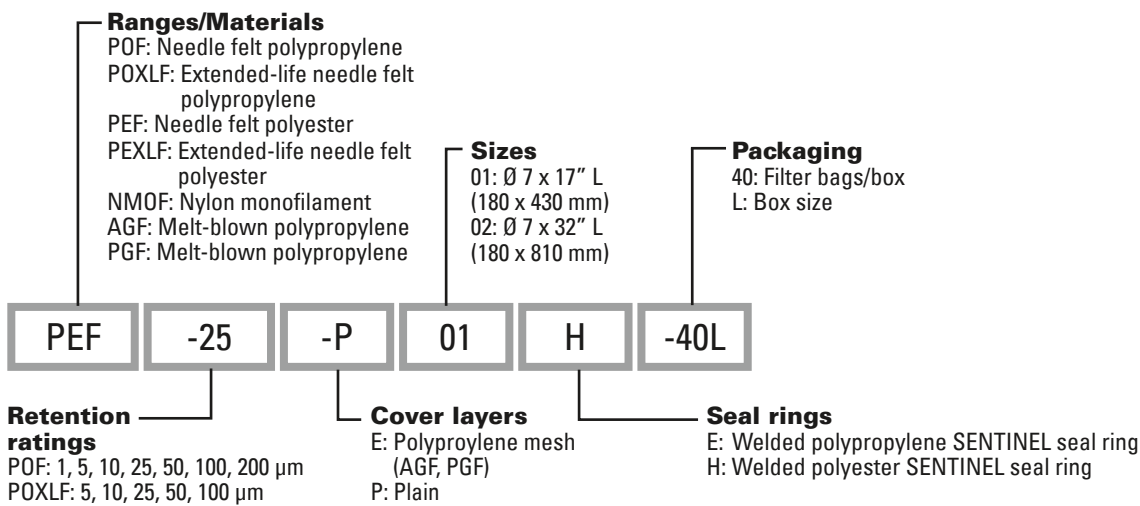
Powering Business Worldwide

CLEARGAF Filter Bag Range

Retention ratings

Materials	Codes	Retention ratings (µm)														Welded SENTINEL seal ring	Max. operating temperatures °F (°C)	Sizes			
		1	5	10	25	50	80	100	125	150	200	250	300	400	600			800	01	02	
Polypropylene needle felt	POF	■	■	■	■	■		■			■							E	194 (90)	■	■
Extended-life polypropylene needle felt	POXLF		■	■	■	■		■										E	194 (90)	■	■
Polyester needle felt	PEF	■	■	■	■			■										H	284 (140)	■	■
Extended-life polyester needle felt	PEXLF	■	■	■														H	284 (140)	■	■
Nylon monofilament	NMOF		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	H	284 (140)	■	■
ACCUGAF™	AGF	51-53-55-57-59														E	194 (90)	■	■		
PROGAF™	PGF	50-51-55														E	194 (90)		■		

Ordering information



¹ 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.
² Depending on the respective application requirements.
³ For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).

North America
 44 Apple Street
 Tinton Falls, NJ 07724
 Toll Free: 800 656-3344
 (North America only)
 Tel: +1 732 212-4700

China
 No. 3, Lane 280,
 Linhong Road
 Changning District, 200335
 Shanghai, P.R. China
 Tel: +86 21 5200-0099

Europe/Africa/Middle East
 Auf der Heide 2
 53947 Nettersheim, Germany
 Tel: +49 2486 809-0

Singapore
 100G Pasir Panjang Road #07-08
 Singapore 118523
 Tel: +65 6825-1668

Friedensstraße 41
 68804 Altludersheim, Germany
 Tel: +49 6205 2094-0
 An den Nahewiesen 24
 55450 Langenlonsheim, Germany
 Tel: +49 6704 204-0

For more information, please email us at filtration@eaton.com or visit www.eaton.com/filtration

US
 EF-FTB-07
 01-2021

© 2021 Eaton. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this brochure concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Eaton as to the effects of such use or the results to be obtained. Eaton assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

