

## 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% efficiency<sup>1</sup>  
PGF: 1, 2, 12 µm  
@ > 99.9% efficiency<sup>1</sup>

### 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 ft<sup>2</sup> (0.24 m<sup>2</sup>)  
02: 5.2 ft<sup>2</sup> (0.48 m<sup>2</sup>)

#### 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 disposal<sup>2</sup>

11.6 – 21.7 psi (0.8 – 1.5 bar)

#### Max. flow rates<sup>3</sup>

POF, POXLF, PEF, PEXLF, NMOF:  
01: 88 GPM (20 m<sup>3</sup>/h)  
02: 176 GPM (40 m<sup>3</sup>/h)  
AGF:  
01: 35 GPM (8 m<sup>3</sup>/h)  
02: 66 GPM (15 m<sup>3</sup>/h)  
PGF:  
02: 44 GPM (10 m<sup>3</sup>/h)

### FDA/EC conformity

All polypropylene and polyester materials used comply with EC Regulation 1935/2004 and EC Directive 2002/72/EC as well as FDA requirements according to Title 21, Section 177, as applicable for food and beverage contact.

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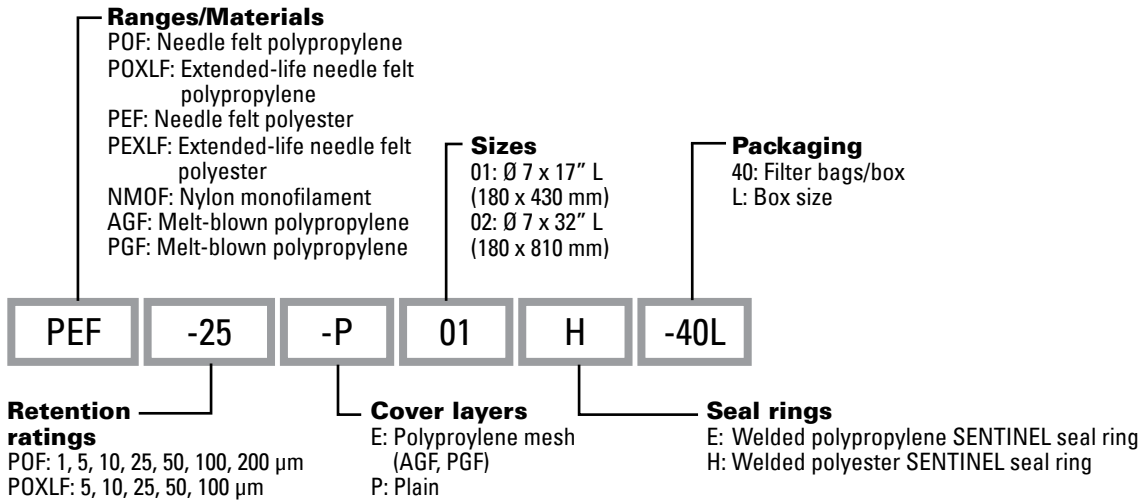
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## Retention ratings

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



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

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US  
 EF-FTB-07  
 06-2016