



## Extended-life filter bags improve filtration processes

Eaton's DURAGAF extended-life filter bags are suitable for a wide range of applications such as water treatment, chemicals, paints and varnishes, adhesives, petrochemicals and applications in the automotive, metal-processing, food and beverage industries (POXLF, PEXLF only) and many more.

The polypropylene or polyester needle felt construction of the DURAGAF extended-life filter bags, along with the increased thickness of the filter material, significantly increases the dirt-holding capacity and extends the lifetime by two to five times longer than standard needle felt filter bags. These features significantly reduce operating costs.

In addition, the needle felt material with smaller diameter fibers also provides a more porous filter material while maintaining the same low initial differential pressure.

### Features and benefits

- The reinforced filter material thickness facilitates gel removal
- Lower operating costs due to extended lifetime
- DURAGAF filter bags are available in PEXLF and POXLF materials and comply with FDA and EC directives and regulations for food contact

- Special surface treatment significantly reduces fiber migration
- Material is free from silicone and crater-forming substances<sup>1</sup>
- Fully-welded construction with patented SENTINEL® seal ring provides 100% bypass-free filtration
- The pressure-activated SENTINEL seal ring provides a flexible, chemically resistant seal which adapts to any bag filter housing
- 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

Extended-life needle felt polypropylene or polyester

#### Seal rings

Welded polypropylene or polyester SENTINEL seal ring

#### Retention ratings

1, 5, 10, 25, 50, 100 µm

### 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: 302 °F (150 °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)

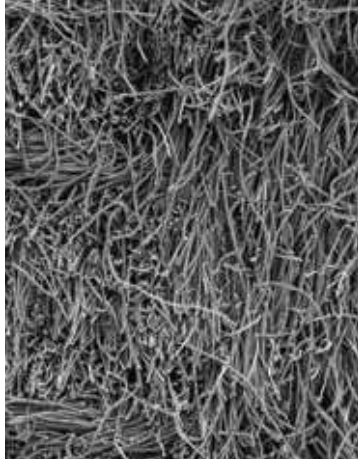
#### Max. flow rates<sup>3</sup>

01: 66 GPM (15 m<sup>3</sup>/h)  
02: 132 GPM (30 m<sup>3</sup>/h)

### FDA/EC conformity

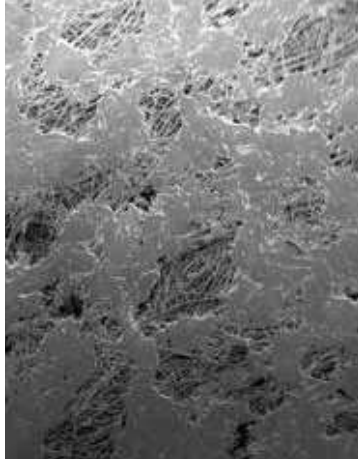
All polypropylene and polyester materials used (POXLF and PEXLF only) comply with EC Regulation 1935/2004 and EC Directive 2002/72/EC as well as FDA requirements according to Title 21, Section 177, as applicable for food and beverage contact.

# DURAGAF Filter Bag Range



### Extended-life needle felt in comparison to standard needle felt

- Finer fibers
- Greater porosity
- Thicker media



### Surface of a DURAGAF filter bag

- No fiber release
- Full flow through surface channels

## Ordering information

### Ranges/Materials

- POXL: Extended-life needle felt polypropylene
- PEXL: Extended-life needle felt polyester
- POXLF: Extended-life needle felt polypropylene (food-grade)
- PEXLF: Extended-life needle felt polyester (food-grade)

### Sizes

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

### Packaging

- 30: Filter bags/box
- L: Box size



### Retention ratings

- POXL: 1, 5, 10, 25, 50, 100 µm
- PEXL: 1, 5, 10, 25, 50, 100 µm
- POXLF: 5, 10, 25, 50, 100 µm
- PEXLF: 1, 5, 10 µm

### Cover layer

- P: Plain

### Seal rings

- E: Welded polypropylene SENTINEL seal ring (POXL/POXLF)
- H: Welded polyester SENTINEL seal ring (PEXL/PEXLF)

<sup>1</sup> Based on an accepted paint compatibility test (see document QUC-STA-10).

<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).