



## Thermobonded pleated filter bag with increased dirt-holding capacity

Eaton's MAX-LOAD extended life thermobonded pleated filter bags offer solutions to a wide range of applications requiring dramatically increased capacity applicable in all industrial processes.

MAX-LOAD pleated filter bags are manufactured from nominal rated extended-life needle felt filter media. The pleated media construction combined with the filter media results in up to 10 times increased dirt-holding capacity compared to similar sized standard needle felt.

### Features and benefits

- Pleated media structure allows for 4 times more surface area compared to a similar size standard filter bags in the same bag housing
- Available in polypropylene with matching end caps and seal rings to cover most processing conditions
- Thermo-bonded end caps provide a strong, bypass-free and seamless construction
- Extended-life needle felt filter media can cover a wide range of filtration needs

- Fits in all Eaton standard size 01 and 02 restrainer baskets
- Produced according to Eaton's silicon-free process<sup>1</sup>
- Patented SENTINEL® seal ring provides 100% bypass-free filtration
- Outer cage structure provides additional support against harsh conditions

### Filter specifications

**Materials**  
Needle felt (POXL):  
Polypropylene

**Seal rings**  
SENTINEL seal ring with end caps in polypropylene and polyester copolymer

**Retention ratings**  
1, 5, 10, 25 and 50 µm nominal

### Dimensions/Parameters

#### Sizes

01: Ø 180 x 345 mm L  
02: Ø 180 x 730 mm L

#### Filter area

01: 0.8 m<sup>2</sup>  
02: 1.6 m<sup>2</sup>

#### Max. operating temperature

Polypropylene: 90 °C

#### Max. differential pressure

2.5 bar

#### Recommended change-out pressure for disposal<sup>2</sup>

0.8 – 1.5 bar

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

01: 10 m<sup>3</sup>/h  
02: 20 m<sup>3</sup>/h



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# MAX-LOAD Pleated Filter Bag Range



**Strong cage supports the filter element during harsh conditions**

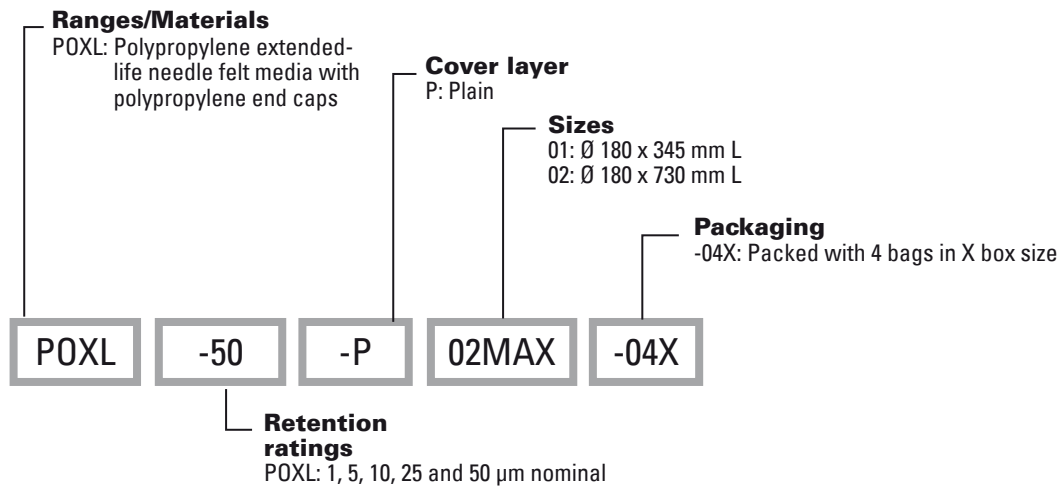


**Pleated structure with extended-life media provides vastly increased dirt-holding capacity**



**Bypass-free sealing through SENTINEL seal ring**

## Ordering information



<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 @ 20 °C.

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## Pleated filter bags manufactured from extended-life needle felt

Eaton's MAX-LOAD extended-life pleated filter bags are suitable for a wide range of applications, such as water treatment, chemicals, paints and varnishes, petrochemicals, metal cleaning and many more.

MAX-LOAD pleated filter bags are manufactured from nominal rated polyester extended-life needle felt. The exceptional construction increases the filter bags dirt-holding capacity and lifetime by up to ten times more than standard needle felt filter bags.

### Features and benefits

- Increases dirt-holding capacity by up to a factor of ten compared to a similar size standard needle felt filter bag<sup>1</sup> (700 g per filter bag, size 02)
- Lowers maintenance costs due to a longer lifetime
- Fits into all Eaton standard size 01 and size 02 restrainer baskets
- Special surface treatment virtually eliminates fiber migration

- Material is free from silicone and crater-forming substances<sup>2</sup>
- 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

### Filter specifications

#### Materials

Extended-life needle felt polyester

#### Seal rings

Polyester SENTINEL seal ring

#### Retention ratings

1, 5, 10, 25, 50 µm

### Dimensions/Parameters

#### Sizes

01: Ø 180 x 345 mm L  
02: Ø 180 x 730 mm L

#### Filter area

01: 0.8 m<sup>2</sup>  
02: 1.6 m<sup>2</sup>

#### Max. operating temperature

Polyester: 135 °C

#### Max. differential pressure

2.5 bar

#### Recommended change-out pressure for disposal<sup>3</sup>

0.8 – 1.5 bar

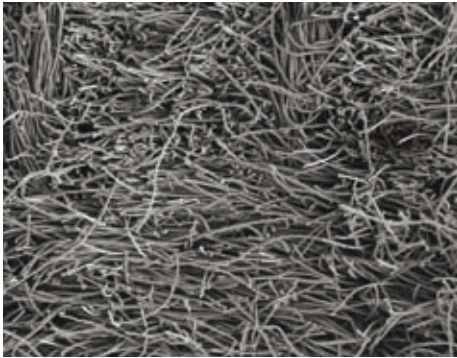
#### Max. flow rates<sup>4</sup>

01: 10 m<sup>3</sup>/h  
02: 20 m<sup>3</sup>/h



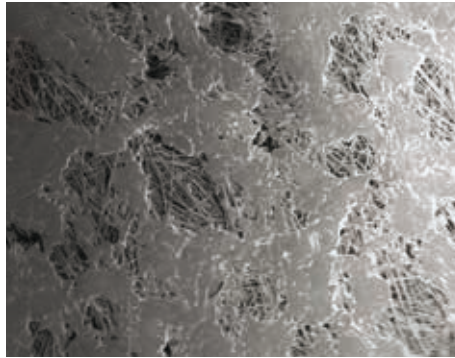
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# MAX-LOAD Pleated Filter Bag Range



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

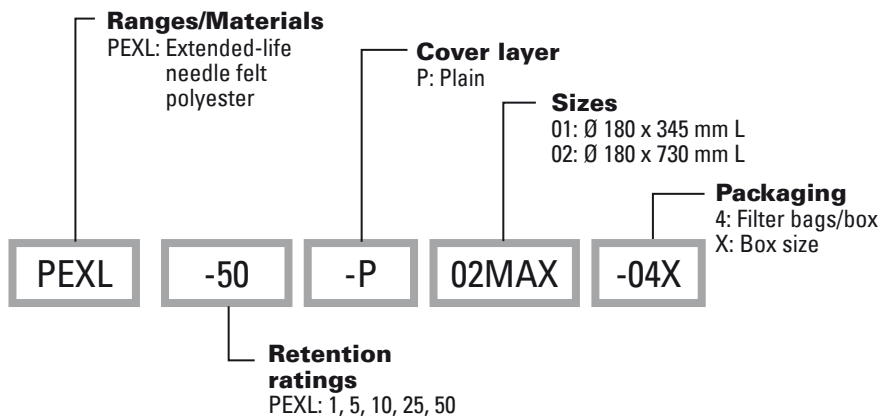
- Finer fibers
- Greater porosity
- Thicker media



## Surface of a MAX-LOAD pleated filter bag

- Glazed finish binds loose fibers on the surface
- Full flow through surface channels

## Ordering information



<sup>1</sup> Based on internal lab tests.

<sup>2</sup> Based on an accepted paint compatibility test (see document QUC-STA-10).

<sup>3</sup> Depending on the respective application requirements.

<sup>4</sup> For liquids with a dynamic viscosity of 1 mPa·s @ 20 °C.

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