Eaton’s SENTINEL filter bags are suitable for a wide range of applications such as the filtration of paints and varnishes, inks, chemicals, process water and many more.

SENTINEL filter bags comply with the industry standard of a bypass-free filter bag construction. They are available in polypropylene and polyester.

Features and benefits
- 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
- Material is free from silicone and crater-forming substances¹
- Special surface treatment significantly reduces fiber release
- Stable and flexible welded seams that adapt to the restrainer basket
- The handles in the ring make replacing the filter bag quick and easy
- 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
- **Seal rings**
  - Welded polypropylene or polyester SENTINEL seal ring
- **Retention ratings**
  - 1, 5, 10, 25, 50, 100, 200 µm

Dimensions/Parameters
- **Sizes**
  - 01: Ø 7 x 17” L (180 x 430 mm)
  - 02: Ø 7 x 32” L (180 x 810 mm)
  - 03: Ø 4 x 9” L (100 x 230 mm)
  - 04: Ø 4 x 15” L (100 x 380 mm)
- **Filter area**
  - 01: 2.6 ft² (0.24 m²)
  - 02: 5.2 ft² (0.48 m²)
  - 03: 0.9 ft² (0.08 m²)
  - 04: 1.7 ft² (0.16 m²)
- **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 disposal²**
  - 11.6 – 21.7 psi (0.8 – 1.5 bar)
- **Max. flow rates³**
  - 01: 88 GPM (20 m³/h)
  - 02: 176 GPM (40 m³/h)
  - 03: 26 GPM (6 m³/h)
  - 04: 53 GPM (12 m³/h)

Eaton’s SENTINEL filter bags are suitable for a wide range of applications such as the filtration of paints and varnishes, inks, chemicals, process water and many more.

Request a Quote Today!
### Retention ratings

<table>
<thead>
<tr>
<th>Materials</th>
<th>Codes</th>
<th>1</th>
<th>5</th>
<th>10</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>Welded SENTINEL seal rings</th>
<th>Max. operating temperatures °F (°C)</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>PO</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>E</td>
<td>194 (90)</td>
<td>■</td>
</tr>
<tr>
<td>Polyester</td>
<td>PE</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>H</td>
<td>302 (150)</td>
<td>■</td>
</tr>
</tbody>
</table>

### Ordering information

**Ranges/Materials**
- PO: Needle felt polypropylene
- PE: Needle felt polyester

**Cover layer**
- P: Plain

**Options**
- A: Individually packed
- L: Standard filter bags with increased length
- S: Stitched side/bottom; welded SENTINEL seal ring

**Sizes**
- 01: Ø 7 x 17” L (180 x 430 mm)
- 02: Ø 7 x 32” L (180 x 810 mm)
- 03: Ø 4 x 9” L (100 x 230 mm)
- 04: Ø 4 x 15” L (100 x 380 mm)

**Seal rings**
- E: Welded polypropylene SENTINEL seal ring
- H: Welded polyester SENTINEL seal ring

**Packaging**
- 30: Filter bags/box
- S, M, L: Box sizes

---

1. Based on an accepted paint compatibility test (see document QUC-STA-10).
2. Depending on the respective application requirements.
3. For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).
4. Further options upon request (see document SAL-L-12).