



Fully-welded construction for high efficiency and superior sealing

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

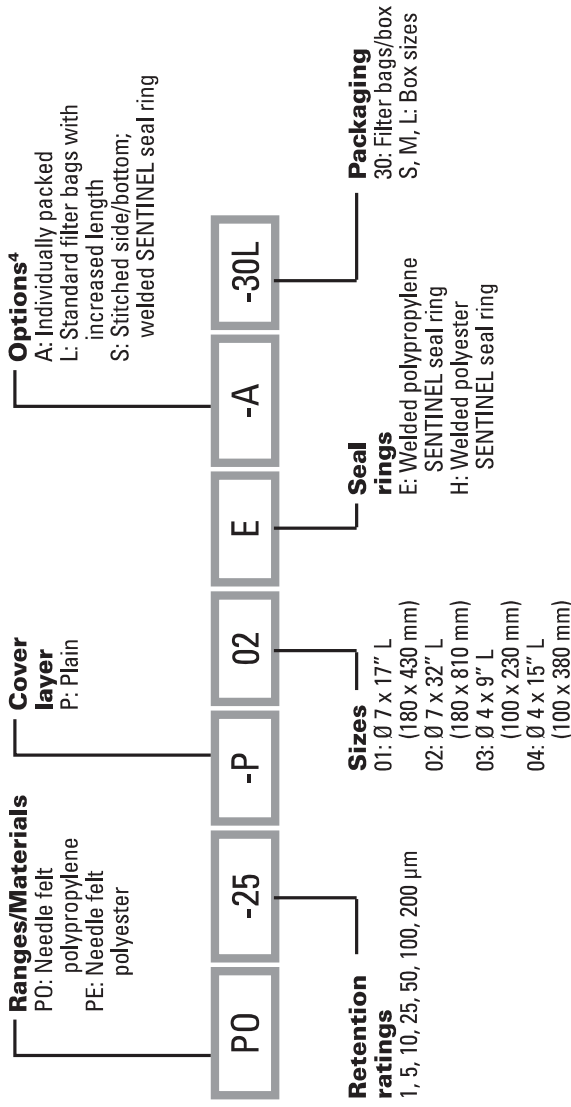
01: 88 GPM (20 m³/h)
02: 176 GPM (40 m³/h)
03: 26 GPM (6 m³/h)
04: 53 GPM (12 m³/h)

SENTINEL Filter Bag Range

Retention ratings

Materials	Codes	Retention ratings (µm)								Max. operating temperatures °F (°C)				
		1	5	10	25	50	100	200	Welded SENTINEL seal rings	01	02	03	04	
Polypropylene	PO	■	■	■	■	■	■	■	E	■	■	■	■	194 (90)
Polyester	PE	■	■	■	■	■	■	■	H	■	■	■	■	302 (150)

Ordering information



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).