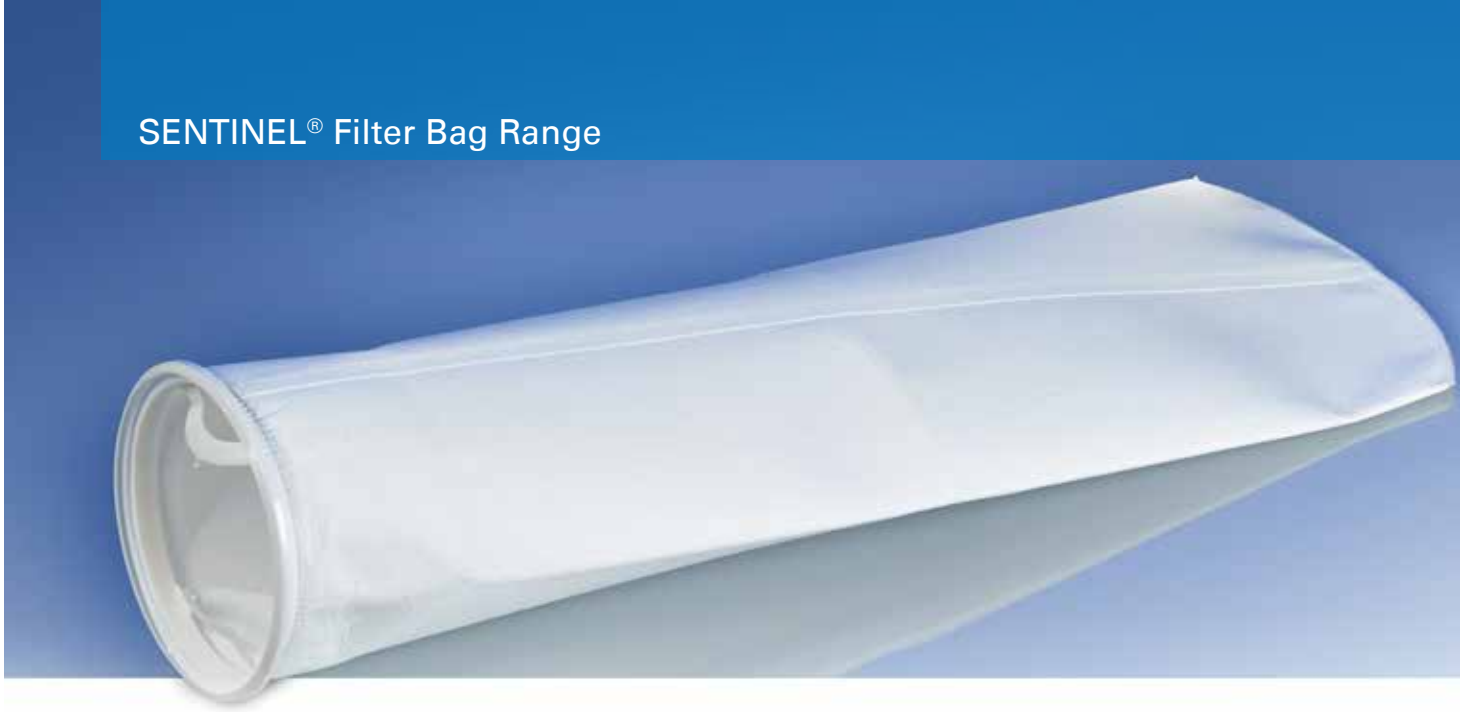
SENTINEL® Filter Bag Range



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 substances[1]
- Special surface treatment significantly reduces fiber release
- Stable and flexible welded seams that adapt to the re-strainer 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 180 x 430 mm L
02: Ø 180 x 810 mm L
03: Ø 100 x 230 mm L
04: Ø 100 x 380 mm L

Filter area
01: 0.24 m²
02: 0.48 m²
03: 0.08 m²
04: 0.16 m²

Max. operating temperatures
Polypropylene: 90 °C
Polyester: 150 °C

Max. differential pressure
2.5 bar

Recommended change-out pressure for disposal[2]
0.8 – 1.5 bar

Max. flow rates[3]
01: 20 m³/h
02: 40 m³/h
03: 6 m³/h
04: 12 m³/h

For more information:
WEB: FLTR.com.au **PHONE**: (+61) 1300 62 4020 **EMAIL**: info@FLTR.com.au **SKYPE**: Purple.Engineering

FLTR Purple Engineering

Retention ratings

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

Ordering information

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

Cover layer
P: Plain

Options[4]
A: Individually packed
L: Standard filter bags with increased length
S: Stitched side/bottom; welded SENTINEL seal ring

PO	-25	-P	02	E	-A	-30L

Retention ratings
1, 5, 10, 25, 50, 100, 200 µm

Sizes
01: Ø 180 x 430 mm L
02: Ø 180 x 810 mm L
03: Ø 100 x 230 mm L
04: Ø 100 x 380 mm L

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 @ 20 °C.
[4] Further options upon request (see document SAL-L-12).

For more information:
WEB: FLTR.com.au **PHONE**: (+61) 1300 62 4020 **EMAIL**: info@FLTR.com.au **SKYPE**: Purple.Engineering

FLTR Purple Engineering