UNIBAG® Filter Bag Range

Efficient and economical fully-welded needle felt filter bags

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

UNIBAG filter bags provide the value and reliability of a high performance filter bag seal, fully-welded construction, the economy of a typical sewn filter bag construction and the social commitment to using environmentally-friendly materials. They are manufactured from needle felt material, without optical white additives or bleaching agents. They comply with the industry standard for bypass-free filter bag construction and are available in polypropylene and polyester. Polyester material uses at least 40% recycled fibers.

Features and benefits

- Fully-welded construction with UNIRING™ seal ring provides 100% bypass-free filtration
- Polypropylene seal ring provides a chemically resistant seal which adapts to any bag filter housing
- Polyester seal ring is durable for higher temperatures
- 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
- All material has passed Eaton's rigorous Engineering Standard testing criteria for acceptability
- Material is free from silicone and crater-forming substances[1]
- 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 UNIRING 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)

Filter area
01: 2.6 ft² (0.24 m²)
02: 5.2 ft² (0.48 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 disposal[2]
11.6 – 21.7 psi (0.8 – 1.5 bar)

Max. flow rates[3]
01: 88 GPM (20 m³/h)
02: 176 GPM (40 m³/h)

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Ranges/Materials	Man. operating temperatures °F (°C)	Aqueous media	Aliphatic solvents	Aeromatic solvents	Alkaline media	Strongly alkaline	Acid media	Strongly acid
POU-UE	194 (90)	■	■		■	■	■	■
PEU-UE	194 (90)	■	■		■		■	
PEU-UK	302 (150)	■	■	■	■		■	

Ordering information

Ranges/Materials
POU: Needle felt polypropylene
PEU: Needle felt polyester

Cover layer
P: Plain

Seal rings
UE: Welded polypropylene UNIRING seal ring
UK: Welded polyester UNIRING seal ring

PEU	-5	-P	01	UE	-WW	-30

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

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

Construction
WW: Fully-welded

Packaging
50: Filter bags/box (size 01)
30: Filter bags/box (size 02)

[1] Based on an accepted paint compatibility test.
[2] Depending on the respective application requirements.
[3] For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).