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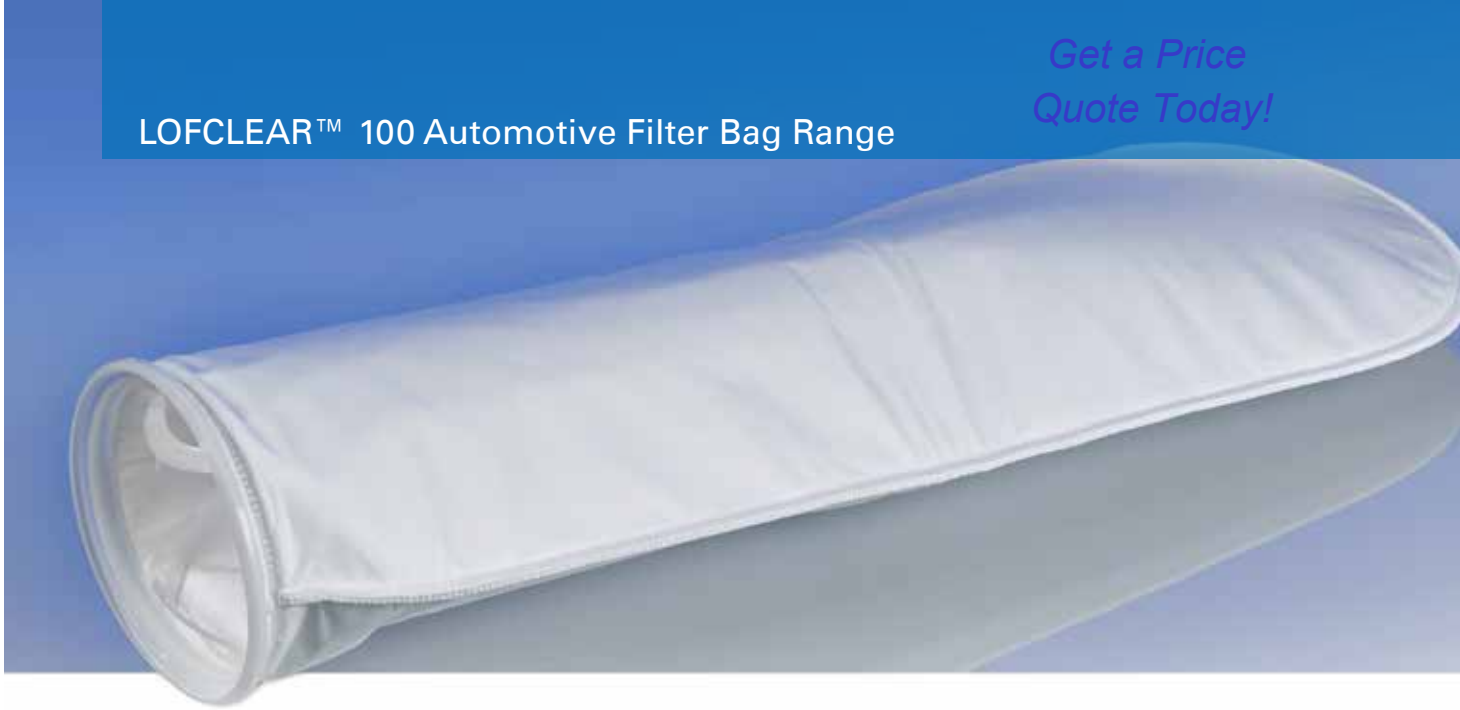
LOFCLEAR™ 100 Automotive Filter Bag Range



Models 128, 129, 130, 135:
High-performance filter bags for paints and coatings

Eaton's LOFCLEAR 100 models LCR-128, 129, 130 and 135 are specially developed for the filtration of paints and varnishes in the automotive industry and provide reliable solutions for the removal of solids and oils.

Each of these four LOFCLEAR 100 filter bag models has a special function for paint and varnish applications in the automotive industry.

LCR-128
Consists of an electrostatically charged medium and is suitable for the adsorption of particles and oils in e-coat and other paint systems.

LCR-129
Made from double-layer material and suitable for oil adsorption. Ensures cost-effective, excellent performance and long service life during e-coat processes.

LCR-130
The multi-layer construction offers high particle removal efficiency and optimized oil adsorption capacity fulfilling the requirements for coating applications.

LCR-135
An especially thick melt-blown polypropylene material delivers high particle and oil removal for clearcoat applications where pigment removal is not an issue.

Features and benefits

- High-strength sewn multi-layer filter bag construction with welded SENTINEL® seal ring
- Layers of melt-blown polypropylene filter material help to clean fluid gradually and reliably
- Patented SENTINEL seal ring provides 100% bypass-free filtration
- Spunbond cover layer virtually eliminates fiber release and migration
- 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

Material
Melt-blown polypropylene

Cover layer
Spunbond polypropylene

Seal ring
Welded polypropylene SENTINEL seal ring

Retention ratings[2]
10, 20, 30, 40 µm
@ > 99% efficiency

Dimensions/Parameters

Sizes
01: Ø 180 x 430 mm L
02: Ø 180 x 810 mm L

Filter area
01: 0.24 m²
02: 0.48 m²

Max. operating temperature
90 °C

Max. differential pressure
2.5 bar

Recommended change-out pressure for disposal[3]
0.8 – 1.5 bar

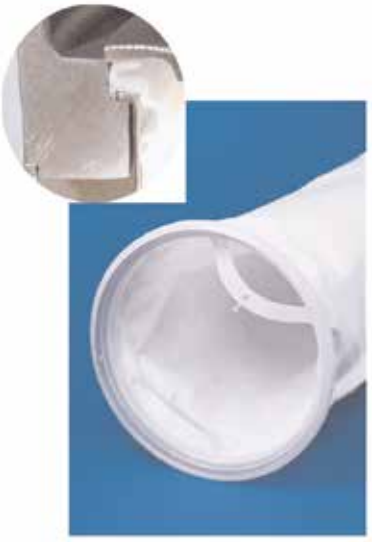
Max. flow rates[4]
01: 8 m³/h
02: 15 m³/h

Powering Business Worldwide

Filter removal efficiency

Models size 01/02	Particle sizes (µm) at common removal efficiencies (%)				Δp (bar) size 02 @ 10 m³/h	Max. operating temperature (°C)
	> 60%	> 90%	> 95%	> 99%		
118/128	25	35	37	40	< 0.01	90
119/129	15	25	27	30	< 0.01	90
130	6	14	15	20	0.05	90
135	1	6	8	10	0.02	90

Welded SENTINEL seal ring



Ordering information

Range/Material
LCR: Melt-blown polypropylene

Cover layer
T: Spunbond polypropylene

Packaging
25 - 50: Filter bags/box
L: Box size

LCR	-128	-T	02	E	-25L

Models
LCR: 118/128, 119/129, 130, 135

Sizes
01: Ø 180 x 430 mm L
02: Ø 180 x 810 mm L

Seal ring
E: Welded polypropylene SENTINEL seal ring

[1] Based on an accepted paint compatibility test (see document QUC-STA-10).
[2] Reference values based on single pass tests in ambient lab conditions with ISO test dust in water at 10 m³/h/size 02.
[3] Depending on the respective application requirements.
[4] For liquids with a dynamic viscosity of 1 mPa·s @ 20 °C.

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