

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 substances¹
- 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 ratings²

10, 20, 30, 40 µm
@ > 99% efficiency

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 temperature

194 °F (90 °C)

Max. differential pressure

36.2 psi (2.5 bar)

Recommended change-out pressure for disposal³

11.6 – 21.7 psi (0.8 – 1.5 bar)

Max. flow rates⁴

01: 35 GPM (8 m³/h)
02: 66 GPM (15 m³/h)

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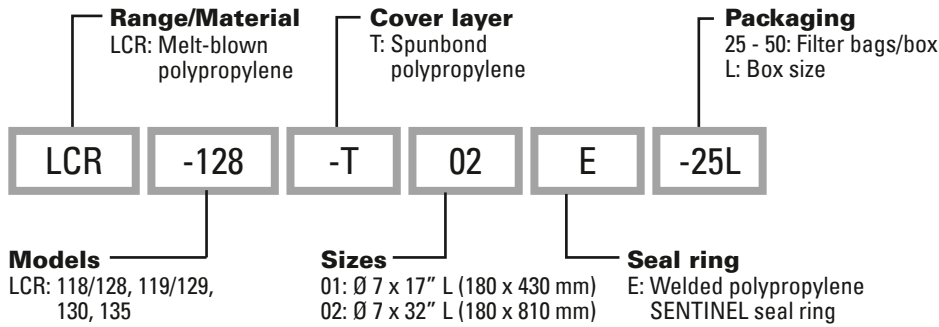
Filter removal efficiency

Models size 01/02	Particle sizes (µm) at common removal efficiencies (%)				Δp psi (bar) size 02 @ 44 GPM (10 m³/h)	Max. operating temperature °F (°C)
	> 60%	> 90%	> 95%	> 99%		
118/128	25	35	37	40	< 0.2 (0.01)	194 (90)
119/129	15	25	27	30	< 0.2 (0.01)	194 (90)
130	6	14	15	20	0.7 (0.05)	194 (90)
135	1	6	8	10	0.3 (0.02)	194 (90)

Welded SENTINEL seal ring



Ordering information



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 44 GPM (10 m³/h)/size 02.

³ Depending on the respective application requirements.

⁴ For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).

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