

HAYFLOW™ Filter Element Range



Up to 65% more filter area in a compact, easy-to-use filter element

Eaton's HAYFLOW filter elements are suitable for a wide range of applications such as paints, lacquers, inks, dispersing agents, resins, water purifying systems, solvents, lubricants and liquids used in metal processing, detergents containing solvents and water in metal washing installations, drinking water, beer, wine, edible oil and many more.

Eaton combines the benefits of a filter bag with those of a filter cartridge into a new, rugged filter element with optimum filtration performance. The filter area of HAYFLOW filter elements is up to 65% larger compared to a standard filter bag. Extended service life and long intervals between filter change-outs lead to reduced operating costs.

Features and benefits

- Higher flow rates reduces the size of bag filter housings by up to 50% and lowers the initial costs of the filtration system
- Extended service life is up to five times longer compared to standard filter bags
- Up to 35 times more effective than standard filter cartridges
- Long intervals between filter element change-outs reduces operating costs
- Contains only 25% of residual liquid compared to filter bags of similar size

- Patented SENTINEL® seal ring prevents liquid bypass for safe filtration
- Low differential pressure results in less energy consumption of pumps
- Simple to insert into existing bag filter housings with new HAYFLOW restrainer basket
- Easy element change-out
- 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 element into the bag filter housing and ensures the correct alignment of the filter element inside the HAYFLOW restrainer basket

Filter specifications

Materials

POXL, PEXL: Extended-life needle felt polypropylene or polyester
LCR-128: Melt-blown polypropylene

Seal rings

Welded polypropylene or polyester SENTINEL seal ring and bottom ring

Retention ratings

POXL, PEXL: 1, 5, 10, 25, 50, 100 µm
LCR-128: 37 µm @ >95% efficiency²
POXL, PEXL: nominal efficiency

Dimensions/Parameters

Size

02: Ø 7 x 28" L (180 x 700 mm)

Filter area

02: 7.5 ft² (0.7 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 disposal³

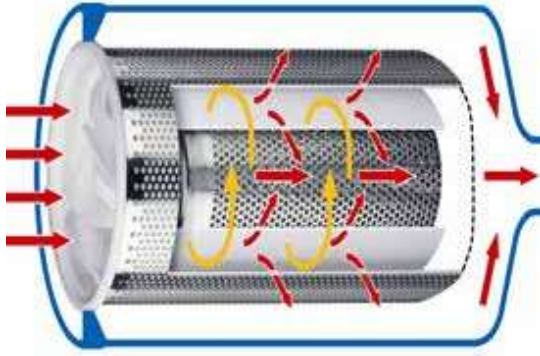
11.6 – 21.7 psi (0.8 – 1.5 bar)

Max. flow rates⁴

POXL, PEXL: 02: 176 GPM (40 m³/h)
LCR-128: 02: 110 GPM (25 m³/h)

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How the HAYFLOW filter element works



Internal view of filter element



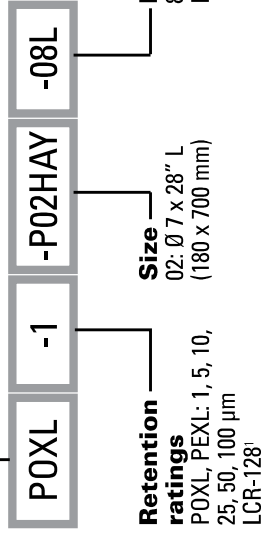
Filter element from an e-coat tank filtration after being in service for eleven weeks



Ordering information

Ranges/Materials

- POXL: Extended-life needle felt polypropylene
- PEXL: Extended-life needle felt polyester
- LCR: Melt-blown polypropylene



Easy installation of HAYFLOW filter elements into existing bag filter housings



¹ Based on an accepted paint compatibility test (see document OUC-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).