



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-PE™ – Polyester Filter Bags Product Highlights

Filtracore Asia's **LFX-PE™ Polyester Filter Bags** are engineered for reliable general-purpose liquid filtration, particularly where elevated temperatures, higher mechanical stress, and broad chemical exposure are part of daily operations. Constructed from durable polyester needle-felt media, they deliver stable performance across a wide micron range (**1–200 µm nominal**) with depth-loading capacity that extends service life while minimising change-outs.

The multi-layer felt design ensures effective contaminant capture with low fibre migration, while bonded construction enhances integrity under fluctuating process conditions.



Polyester's inherent chemical resistance to many organic solvents, hydrocarbons, and diluted acids, combined with thermal stability up to about 135 °C (short excursions to 150 °C when fully

supported), makes LFX-PE™ an excellent choice for industrial water treatment, chemical production, metal finishing, and coatings applications.

Built in standard trade sizes (#01–#04) with multiple collar options – moulded polypropylene flanges, polyester flanges, or metal snap-rings (galvanised steel or stainless steel) – LFX-PE™ integrates seamlessly into industry-standard housings. For potable water, beverage, and food-processing streams, food-contact compliant variants are available (FDA 21 CFR; EU 1935/2004 & 10/2011), ensuring global procurement alignment.

Reliable. Resilient. Ready for Every Flow.

Applications - LFX-PE™ – Polyester Filter Bags

- **Automotive & Engine Applications** – Hot coolant filtration, parts cleaning, rinse cycles
- **Cement & Asphalt** – Additive blending, water reclamation
- **Electronics & Semiconductor** – Solvent and rinse water pre-filtration



- **Food & Beverage** – Filtration of hot liquids, flavour additives, and brewing components (where FDA-compliant versions are used)
- **Industrial Manufacturing** – High-temperature liquids, chemical batch filtration
- **Marine** – Hot washdown systems, pre-filtration of non-aromatic fuel and hot wash fluids
- **Metalworking & Surface Treatment** – Cutting fluids, degreasers, alkaline and solvent-based cleaners
- **Mining & Mineral Processing, Plastics & Injection Moulding, Power Generation, Pulp & Paper, Textiles & Dyeing, Water Treatment & Desalination, and other demanding industrial applications**

OEM Compatibility & Replacement Cross-Reference

LFX-PE™ Polyester Filter Bags are manufactured to fit industry-standard filter housings and align with polyester felt filter bags from reputable OEMs:

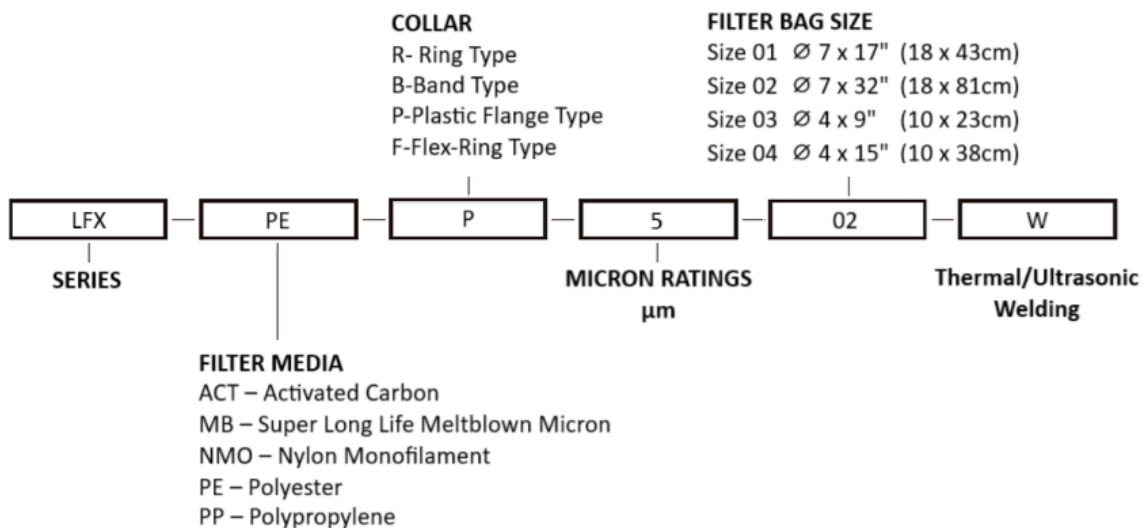
- **Eaton®** – DURAGAF™ Polyester Felt Bags
- **Parker Hannifin®** – Fulflo® Polyester Felt Bags
- **Hayward/Flowline** – BFL/BH Series Polyester Bags

Other compatible OEM systems upon request



Ordering Information - LFX-PE™ – Polyester Filter Bags

- **Bag sizes (trade standard):**
#01, #02, #03 and #04. Custom and extended-length versions available on request.
- **Micron ratings (nominal):**
1–200 µm (typical: 1, 5, 10, 25, 50, 100, 150, 200 µm).
- **Media options:**
Polyester needle-felt (single-layer); multilayer polyester felt for extended service life and higher dirt-holding.
- **Seam construction:**
Fully welded (standard) for fibre control and low bypass; sewn seams available on request for specific housings.
- **Top (sealing) options:**
Moulded collar/flange (PP or PET); metal snap-ring (galvanised steel or 304/316 stainless steel); sewn cuff to match OEM profiles.
- **Bottom options:**
Flat welded disc (standard); alternative end configurations available on request.
- **Surface finishes (felt):**
Heat-set/singed finish to minimise fibre migration; silicone-free construction available.
- **Temperature & compatibility (summary):**
Polyester media typically ≤135 °C continuous (short excursions to 150 °C when fully supported). Broad resistance to many diluted acids, hydrocarbons and selected solvents; verify elastomers and ring metals for the process chemistry.
- **Compliance:**
Food-contact-compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011), subject to material/lot certification.
- **Accessories & options:**
Pull handles/tabs for easy change-out; colour/micron ID tags; batch/lot traceability on request.



¹ Compatibility is based on standard bag diameters (\varnothing 4 in / \varnothing 7 in), length codes (Size 01/02/03/04), ring or flange style, and accepted sealing collars. Always confirm final fit and operating-pressure limits with the housing manufacturer.

All OEM product names are trademarks of their respective holders. Use of these names does not imply affiliation or endorsement. Compatibility is based on standard housing dimensions and filter form factor.



■ sales@filtracoreasia.com ■ www.filtracoreasia.com ■ +65 89-FILTER (+65 89-345837)

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