



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-PP™ – Polypropylene Filter Bags Product Highlights

Filtracore Asia's **LFX-PP™ Polypropylene Filter Bags** deliver dependable depth filtration optimised for particulate retention and prolonged service life. Crafted from **100% polypropylene needle-punched felt**, this media offers **high dirt-holding capacity**, **controlled initial differential pressure (ΔP)**, and resistance across a broad range of **non-oxidising industrial fluids including water-based solutions and many common aliphatic solvents** – making it a trusted solution for chemical processing, food & beverage, and



general-purpose filtration (**verify against process chemistry; avoid strong oxidisers and aggressive aromatic/chlorinated solvents**).

LFX-PP™ covers a **micron rating range of 1–200 μm nominal**, allowing procurement teams to match system requirements effectively. The depth-

load felt structure, often with a **singed/glazed finish**, helps minimise fibre migration and media shedding. For critical applications, a brief **pre-flush** is recommended at start-up to remove trace loose fibres and ensure clean effluent.

Designed in **industry-standard trade sizes (#01–#04)** and available with multiple ring options – moulded plastic (polypropylene or polyester), **galvanised steel**, or stainless-steel snap-rings – LFX-PP™ integrates seamlessly into existing filter housings. **Food-contact-compliant variants** (FDA 21 CFR; EU 1935/2004 & 10/2011) **are available subject to material/lot certification**, supporting international regulatory needs.

Engineered Performance. Trusted Compatibility. Proven Value.

Applications - LFX-PP™ – Polypropylene Filter Bags

- **Automotive & engine applications** – coolant filtration, wash fluids, pre-treatment rinse.
- **Cement & asphalt** – additive mixing, water treatment, slurry clarification.
- **Electronics & semiconductor** – rinse water and non-oxidising plating-bath pre-filtration (verify chemistry; avoid strong oxidisers such as chromic acid).
- **Food & beverage** – non-fatty liquids, process water, syrup, juice (use food-contact variants where required).
- **Industrial manufacturing** – general process fluids, wash systems, chemical mixing.
- **Marine** – bilge/washdown utility pre-filtration (not a stand-alone oil-discharge compliance solution).
- **Metalworking & surface treatment** – alkaline cleaners, rinse tanks, degreasers.
- **Mining & mineral processing** – process water, flocculant carriers, slurry overflow.
- **Plastics & injection moulding** – cooling/process water filtration and pigment dispersions (liquid systems; not polymer melt).
- **Power generation** – pre-filtration for condensate/DM water systems.
- **Pulp & paper** – process water, coating filtration, white-water recycling.
- **Textiles & dyeing** – dye-bath pre-filtration and water recycling (verify temperature/chemistry vs PP limits).
- **Water treatment & desalination** – pre-filtration, sediment removal, chemical-dosing fluids, and other demanding industrial applications.

OEM Compatibility & Replacement Cross-Reference

LFX-PP™ Polypropylene Filter Bags are engineered to fit industry-standard #01–#04 liquid filter housings and provide drop-in replacements¹ for equivalent trade-size bags from:

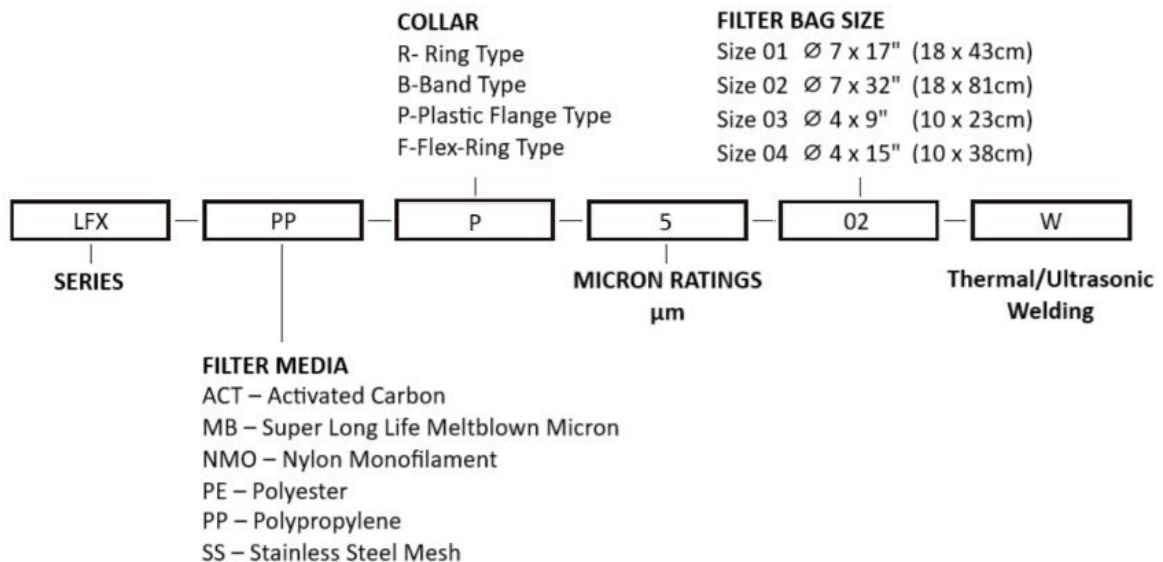
- **Eaton®** – DURAGAF™ Polypropylene Felt Bags
- **Parker Hannifin®** Fulflo® Polypropylene Felt Bags
- **Hayward® Flow Control** – Standard #01/#02 bag filter housings



Other compatible OEM systems upon request

Ordering Information - LFX-PP™ – Polypropylene 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 offerings: 1, 5, 10, 25, 50, 75, 100, 150, 200 µm).
- **Media options:**
Polypropylene needle-punched felt (single-layer); optional multilayer PP felt for higher dirt-holding and extended service life.
- **Seam construction:**
Fully welded (standard) for low bypass and fibre control; 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):**
Singed/glazed finish to minimise fibre migration; silicone-free construction available.
- **Identification & options:**
Colour/micron ID tags; pull handles/tabs for easy change-out; batch/lot traceability on request.
- **Compliance (variants):**
Food-contact-compliant builds available (FDA 21 CFR; EU 1935/2004 & 10/2011), subject to material/lot certification.



¹ Compatibility is based on standard dimensions, ring types (welded/snap/steel), and micron ranges common across major housing manufacturers. Always verify final fit and sealing with housing type prior to use.

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



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