



## LFX™ Series – Liquid Filtration Excellence Engineered for Results

### LFX-PTFE™ – PTFE Liquid Filter Bags Product Highlights

Filtracore Asia's **LFX-PTFE™ Liquid Filter Bags** are engineered for **extreme chemical and high-temperature applications** where conventional filter materials fail. Constructed from **100 % PTFE throughout**, they deliver consistent filtration performance in **strong acids, alkalis, organic solvents, and oxidising environments**, while maintaining structural integrity at operating temperatures up to **260 °C**.



**Full PTFE construction**, including media and stitching, eliminates material mismatch risks and ensures **uniform chemical compatibility** across the entire filter assembly. This enables stable retention performance and **long-term reliability** in aggressive process conditions. Available in nominal micron ratings from 1 µm to 50 µm (standard), with extended options up to 200 µm on

request, LFX-PTFE™ supports **precise particulate control** while maintaining **stable flow and low differential pressure**. The inherently low surface energy of PTFE minimises particle adhesion and fouling, enabling **longer service intervals, reduced change-outs, and lower total cost of ownership**.

Designed in industry-standard trade sizes (#01–#04) with multiple ring and collar configurations, LFX-PTFE™ integrates seamlessly into existing filter housings. **Food-contact compliant variants** (FDA 21 CFR; EU 1935/2004 & 10/2011) are available for regulated applications.

Procurement teams can rely on LFX-PTFE™ for **predictable performance, minimal fibre migration, and full OEM compatibility**.

***Chemical Proof. High-Purity Certified. Engineered for Extreme Conditions***

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## Applications - LFX-PTFE™ – PTFE Liquid Filter Bags

- **Chemical Processing & Petrochemicals** – Strong acid and alkali filtration, solvent purification, aggressive batch processing
- **Aroma Chemicals, Flavour & Fragrance** – Solvent-based liquid handling, repacking operations, and final-stage polishing filtration for purity-critical products
- **Pharmaceutical & Biotechnology** – High-purity ingredient filtration, sterile API solutions, CIP chemical streams
- **Food & Beverage** – Hot, acidic, or caustic liquids requiring food-contact compliant materials
- **Electronics & Semiconductor** – Ultrapure chemical baths, etchants, and high-temperature rinse fluids
- **Mining & Mineral Processing** – Corrosive leachate and solvent extraction streams
- **Power Generation & Utilities** – High-temperature condensate and chemical cleaning solutions
- **Water Treatment & Desalination** – Aggressive brine, caustic cleaning solutions, and oxidiser dosing systems
- **Other Extreme-Duty Industrial Processes** – Applications requiring maximum chemical resistance and continuous service temperatures up to 260 °C

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## OEM Compatibility & Replacement Cross-Reference

**LFX-PTFE™ Liquid Filter Bags** are designed to fit standard #01–#04 liquid bag housings and are functionally compatible<sup>1</sup> with PTFE filter bag offerings from:

- **Eaton®** – PT-Series PTFE Filter Bags
- **Shelco®** – MicroSentry™ HTF Series (PTFE variants)

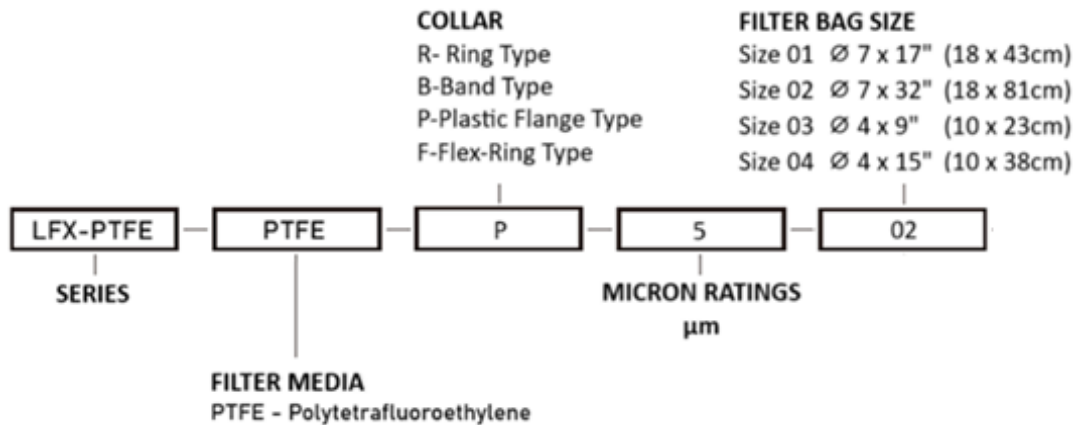
*Other compatible OEM systems available upon request.*

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## Ordering Information - LFX-PTFE™ – PTFE Liquid Filter Bags

- **Bag Size:** Standard trade sizes #01, #02, #03, #04; custom dimensions available on request
- **Micron Ratings:** 1 µm to 50 µm standard; extended range up to 200 µm available upon request
- **Media Type:** 100 % PTFE felt or woven PTFE mesh, depth-loading or surface filtration as specified
- **Collar / Ring Options:** PTFE flange mechanically secured or sewn (standard); 304 or 316 stainless steel snap ring sewn into reinforced PTFE cuff; other specialty configurations available on request
- **Seam Construction:** Sewn with PTFE thread (standard) for full chemical compatibility and high-temperature service
- **Surface Characteristics:** Low surface energy PTFE for reduced fouling and improved cleanability; optional pre-conditioning rinse available
- **Compliance Options:** Food-contact compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011), subject to certification and lot validation
- **Add-Ons:** Extended length bags, integrated handles, batch traceability, and custom labelling available on request



<sup>1</sup> Compatibility is based on standard trade sizes, collar/ring dimensions, and nominal micron ratings. Always verify operating pressure/temperature limits and sealing style 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 housing dimensions and filter form factor. Images shown have been professionally enhanced for visual clarity. Actual product details and appearance may differ.



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