



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-ACT™ – Activated Carbon Filter Bags Product Highlights

Filtracore Asia's **LFX-ACT™ Activated Carbon Filter Bags** combine **adsorption and particulate filtration in a single-pass solution**, effectively reducing **colour, odour, chlorine, volatile organic compounds (VOCs), hydrocarbons and trace organics** in a wide range of process liquids. Available with **coconut shell powdered activated carbon (DLPAC grade)** for high chlorine/taste/odour and low-molecular-weight organics, or **coal-based powdered**



activated carbon (DLCTO grade) for broad-spectrum organics/colour bodies and cost-effective duty.

Each bag features a **multi-layer felt construction with an internal activated-carbon lining supported by a**

polypropylene matrix, delivering reliable adsorption while maintaining **nominal particulate retention of 25 µm (standard) or 50 µm (optional)**. The bonded build minimises fibre migration and carbon shedding, and a brief **pre-flush** at start-up is recommended to remove trace fines for consistently clean effluent. Designed to fit **industry-standard trade sizes #1-#4** (Ø 180 × 430 mm to Ø 180 × 810 mm) with **polypropylene or polyester moulded rings** or **galvanised-steel/stainless-steel snap-rings**, LFX-ACT™ integrates seamlessly with housings from major OEMs. For potable-water, beverage and food-processing applications, **food-contact-compliant variants are available** (materials meeting **EU 1935/2004 & 10/2011** and **FDA 21 CFR**, as applicable), supporting global procurement and regulatory requirements.

For procurement professionals, LFX-ACT™ offers a **cost-efficient alternative to cartridge-based carbon filtration**. The extended-life depth media reduces change-out frequency, lowering **total cost of ownership**, while FiltraCore Asia's regional manufacturing and streamlined supply chain provide **short lead times and reliable availability** for both standard and customised specifications.

Dual Function Filtration. Clean Results. Reliable Value.

Applications - LFX-ACT™ – Activated Carbon Filter Bags

LFX-ACT™ Activated Carbon Filter Bags are suited to a broad range of adsorption and polishing duties across multiple sectors:

- **Automotive & Engine** – removal of organic residues and odour compounds from rinse or wash water
- **Electronics & Semiconductor** – polishing of de-ionised rinse water and reduction of trace organics in high-purity processes
- **Food & Beverage** – elimination of chlorine, taste and odour during process-water treatment for brewing, bottling and ingredient preparation.
- **Industrial Manufacturing** – adsorption of solvents and residual organic contaminants in final rinse streams
- **Metalworking & Surface Treatment** – capture of VOCs and dissolved organics in plating baths, rinse tanks and recovery systems
- **Mining & Mineral Processing** – polishing of tailings leachate and water-reuse circuits to reduce organics and improve downstream water quality
- **Power Generation** – control of trace oils, organics and chlorinated by-products in boiler-feed and cooling-water systems
- **Textiles & Dyeing** – odour and residual chemical adsorption in finishing baths and wastewater treatment
- **Water Treatment & Desalination** – final-stage polishing for residual chlorine, taste/odour, VOCs and other trace organics in municipal and industrial installations



OEM Compatibility & Replacement Cross-Reference

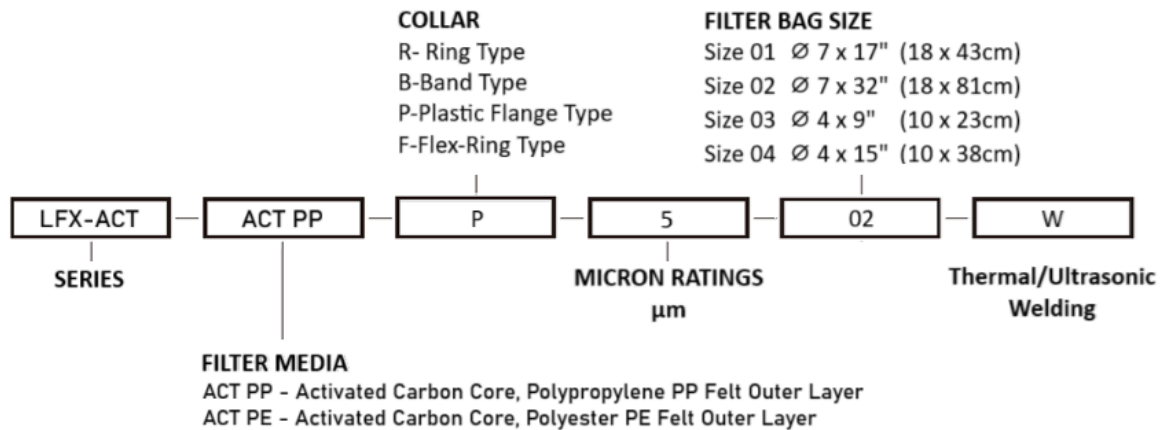
LFX-ACT™ Activated Carbon Filter Bags are engineered for industry-standard trade-size housings (Sizes 01/02/03/04) and are supplied with polypropylene or polyester moulded rings or galvanised-steel/stainless-steel snap-rings. This ensures a dependable fit and drop-in replacement¹ capability across leading housings from **Eaton®**, **Parker Hannifin®**, **Fulflo®**, **Amazon Filters®**, and other major manufacturers, provided the *trade size* and *ring style* match.

Other compatible OEM systems upon request



Ordering Information - LFX-ACT™ – Activated Carbon Filter Bags

- **Bag Sizes:** Standard trade sizes #01, #02, #03, #04
- **Media Type:** Multi-layer felt with internal powdered-activated-carbon lining, bonded to reduce fibre migration and carbon shedding
- **Carbon Base Options:** DLPAC (coconut shell PAC) or DLCTO (coal-based PAC); specify iodine number, particle size/mesh grade, and carbon loading per bag (g) to meet EBCT and quality targets
- **Nominal Micron Support Layer:** 25 µm standard; 50 µm available on request
- **Seam Construction:** Fully welded (standard) to contain carbon media and minimise bypass
- **Top Options:** Polypropylene or polyester moulded collar; galvanised-steel or 304/316 stainless-steel snap-ring
- **Bottom Options:** Flat welded disc (standard); other end configurations on request
- **Compliance:** Food-contact-compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011) subject to material-specific certification and lot COC
- **Accessories:** Optional upstream magnetic separator inserts (ACCSX™) to capture ferrous fines and extend adsorption capacity
- **Recommended Pre-Flush:** Short system flush at start-up to remove trace fines and stabilise effluent



¹ Compatibility is based on common industry standards for Size 01/02/03/04 formats, nominal micron ratings (~10–50 µm adsorption support layers), and typical carbon loadings used in standard felt carriers. Performance equivalence depends on application-specific flow, contact time, and carbon type used. Product performance (adsorption rate, breakthrough capacity) depends on system conditions including contact time, liquid chemistry, and inlet contamination levels. Bench testing is recommended for critical applications. Eaton®'s DURAGAF™ and Parker Hannifin® Fulflo® product families do not include an activated-carbon bag line; those OEMs typically meet adsorption requirements with activated-carbon cartridges. LFX-ACT™ provides a bag-form activated-carbon alternative, allowing operators to achieve carbon adsorption within a standard bag filter housing.

All OEM product names are trademarks of their respective holders. Use of these names does not imply affiliation or endorsement. Images shown have been professionally enhanced for visual clarity. Actual product details and appearance may differ.



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