



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-OAB™ – Oil Absorbent Filter Bags Product Highlights

Filtracore Asia's **LFX-OAB™ Oil Absorbent Filter Bags** are purpose-built for the removal of **non-emulsified** oils, hydrocarbons and greases from process and wastewater streams. By combining polypropylene microfibre absorbent layers with a depth-filtration felt matrix, LFX-OAB™ delivers both high oil-holding capacity and effective particulate retention in a single, robust filtration element. This dual-function performance reduces system complexity, extends service intervals, and **supports** operators in meeting discharge objectives (**final compliance must be verified against local regulatory limits and site conditions**) while lowering operating costs.

Available in nominal micron ratings from **1 µm to 100 µm** (extended ranges on request), LFX-



OAB™ supports both fine polishing and bulk contaminant capture in oil-contaminated streams. Typical selections (e.g., **10 µm, 25 µm, 50 µm**) balance hydrocarbon uptake with

solids control to keep differential pressure predictable under high loads (**actual capacity and ΔP depend on oil type, temperature and loading**).

Constructed to fit **standard bag housings**, LFX-OAB™ bags allow straightforward adoption in existing systems without modification. For demanding applications, **multilayer polypropylene (MLPP)** variants are available, delivering staged absorption and improved resistance to premature blinding in hydrocarbon-rich environments. **Optional absorption inserts** can be specified to further increase oil-holding capacity where long run times are critical. **Note:** Performance is optimised for non-emulsified oils; **stable emulsions or high-surfactant systems require upstream separation/coalescence** for best results.

Built for Absorption. Trusted for Compliance. Ready for Industry.

Applications - LFX-OAB™ – Oil Absorbent Filter Bags

LFX-OAB™ Oil Absorbent Filter Bags are applied across a wide range of industrial and environmental systems where removal of free and dispersed oils from water and process streams is critical for compliance, equipment protection, and operational efficiency. Typical applications include:

- **Petrochemical & refinery wastewater** – polishing of non-emulsified hydrocarbons prior to discharge or reuse; verify final compliance against site permits.
- **Marine bilge & ballast water** – pre-treatment upstream of the OWS to capture free oil/sheen (per IMO MEPC.107(49) system design); not a stand-alone compliance device.
- **Metalworking fluids & coolant recovery** – reduction of tramp oil and suspended solids to extend coolant life and improve machining performance.
- **Food & beverage effluent pre-treatment** – interception of non-contact oil residues in wash/process drains prior to biological treatment.
- **Industrial wastewater treatment plants** – primary-stage removal of free oil/grease to protect downstream coalescers, adsorbers and polishing steps.
- **Power & utility water systems** – treatment of oily condensate/wash water to minimise fouling of downstream membranes and heat-exchange equipment.

OEM Compatibility & Replacement Cross-Reference

LFX-OAB™ Oil Absorbent Filter Bags are engineered to fit standard Size #01 and #02 bag housings. Compatibility¹ is size/seal-interface based; select ring/collar style to match the housing.

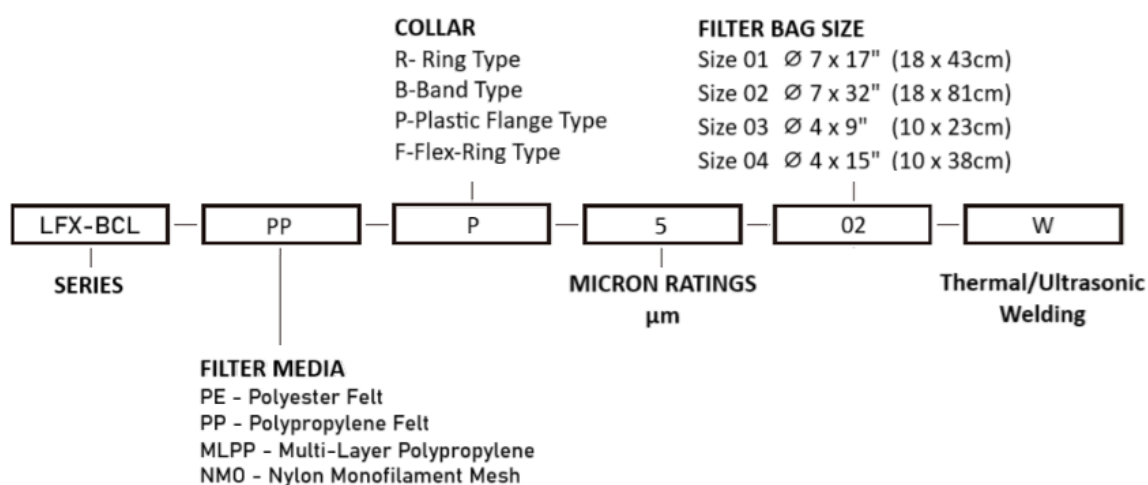
- **Amazon Filters®** – DuoLine OilOut™ disposable oil-adsorbent bag filters (needlefelt + PP microfibre media); standard #01/#02.
- **Strainrite®** – Absorb-Rite® oil-absorbing multi-layer polypropylene bags; standard #01/#02.
- **Parker Hannifin®** – Fulflo® vessels and standard #01/#02 bag housings (drop-in fit with matched collar/ring).
- **Eaton® (housings)** – Standard #01/#02 bag housings (e.g., FLOWLINE®/TOPLINE®); select ring/collar to suit.
- **Filtration Group® / FSI® (housings)** – Standard #01/#02 housings; use appropriate oil-adsorbent bag variants where specified.
- **Hayward Flow Control® (housings)** – FLV series thermoplastic single-bag housings in #01/#02.



Other compatible OEM systems upon request

Ordering Information - LFX-OAB™ – Oil Absorbent Filter Bags

- **Bag Size:** Standard Sizes #1 and #2 available; custom sizes (#3/#4 or bespoke dimensions) offered upon request
- **Micron Ratings:** Nominal support-layer ratings typically 10–100 µm (special orders down to 1 µm available). Micron rating refers only to the depth-felt particulate layer; oil-absorption performance is independent of micron size
- **Media Type:** Polypropylene microfibre absorbent media with depth-filtration felt matrix; multilayer polypropylene (MLPP) variant for staged absorption and extended service life
- **Absorption Inserts:** Optional polypropylene oil absorption inserts available for Size #2 bags to increase hydrocarbon uptake capacity
- **Finishes & Treatments:** Silicone-free construction standard. Optional surface treatments for enhanced dirt-holding on the *outer felt* where required (not applied to absorbent layer).
- **Top Options:** Steel ring, plastic flange, sewn cuff, or moulded collar (to match OEM housing designs)
- **Bottom Options:** Flat welded disc (standard); other configurations available on request for specific housings
- **Seam Construction:** Fully welded as standard for secure, fibre-free sealing; sewn seam construction available on request for selected housings
- **Accessories:** Upstream magnetic separator inserts (ACCSX™) available for systems where ferrous particulates accompany hydrocarbon contamination



¹ Compatibility may vary depending on housing configuration, ring type, or custom OEM specifications. Always verify dimensions and material compatibility before replacement.

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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