



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-CACT™ Carbon Block & GAC Filter Cartridges Product Highlights

Filtracore Asia's **LFX-CACT™ Carbon Block & GAC Filter Cartridges** deliver reliable removal of free chlorine, colour, taste/odour compounds, and dissolved organics/VOCs through high-purity activated carbon adsorption. Available in **compressed carbon block** and **granular activated carbon (GAC)** formats, LFX-CACT™ provides procurement teams with flexibility to balance **particulate retention** with **adsorption capacity**.

The **carbon block** format offers nominal particulate retention of **~5 µm** (variants **1-10 µm**) in



addition to chlorine and organics removal, ensuring stable outlet quality and reduced downstream fouling. The **GAC** format is adsorption-focused with nominal particulate control of **≥20 µm**, well suited for **pre-RO dechlorination** and bulk organics polishing. Both formats are available with **coconut shell carbon (DLPAC)** for high chlorine/VOC efficiency or **coal-based carbon (DLCTO)** for broad-spectrum adsorption and cost-effective duty.

Constructed with activated carbon media and **polypropylene components**, LFX-CACT™ ensures **low extractables, no fibre migration**, and consistent adsorption

performance. Default configuration is **DOE (double open end)** for seamless housing compatibility; **SOE (222/226)** end caps are available where validated. Industry-standard **10"**, **20"**, **30"** lengths (**40"** in selected markets) and both **2.5" OD** and **4.5" "Big Blue"** formats allow direct integration into common housings.

For procurement professionals, LFX-CACT™ represents a **dependable, cost-effective** solution for **process water, food & beverage, cosmetics, chemicals**, and **utility water** systems, with proven performance in **pre-RO and pre-membrane dechlorination** for pharma and electronics.

Engineered for Adsorption. Trusted for Purity. Ready for Utility & Production Duty.

Applications - LFX-CACT™ Carbon Block & GAC Filter Cartridges

LFX-CACT™ Carbon Block & GAC Filter Cartridges are deployed where chlorine removal, organics adsorption, and taste/odour control are critical to process reliability, product quality, and downstream equipment protection. Typical applications include:

- **Municipal & Industrial Water Treatment** – dechlorination of feedwater prior to RO, ion exchange, or other downstream treatment processes
- **Food & Beverage Production** – colour, taste, and odour control in brewing, soft drinks, bottled water, and spirits
- **Chemical & Coatings Industry** – removal of trace organics and chlorine from process water used in formulations, mixing, and cleaning
- **Cosmetics & Personal Care** – polishing of water for lotions, emulsions, fragrances, and rinse-off products
- **Electronics & Pharmaceuticals (Pretreatment)** – pre-RO and pre-membrane dechlorination to protect membranes and downstream purification systems; not intended for final UPW or WFI loops
- **General Industrial Utilities** – polishing of rinse waters, plating baths, and wash systems to ensure consistent water quality

OEM Compatibility & Replacement Cross-Reference

LFX-CACT™ Carbon Block & GAC Filter Cartridges are produced in industry-standard diameters, lengths, and DOE/SOE sealing options to drop into common commercial and light-industrial housings. Representative equivalents¹ include:

- **Eaton®** – **LOFSORB™** activated-carbon cartridges for chlorine and organics reduction
 - **Pall®** – **Micro-Carbon™ II (PHP/AHP)** granular-activated-carbon cartridges
 - **Pentair® (Pentek)** – **CBC / EP / EPM** carbon-block series and **GAC** cartridges
 - **Donaldson®** – **ACB** carbon-block liquid process cartridges
 - **Porvair®** – **Carbofil™** extruded carbon-block cartridges
 - **Fil-Trek®** – **CMB / CGP** carbon-block and GAC cartridges for industry-standard housings
 - **Hydronix®** – **CB Series** carbon-block cartridges
 - **Shelco®** – **MicroSentry™ SCB** carbon-block DOE cartridges
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Ordering Information - LFX-CACT™ Carbon Block & GAC Filter Cartridges

When placing an order, please specify the following:

- **Cartridge Lengths:** Industry-standard 10", 20", 30" (40" available in selected formats and markets; verify housing compatibility)
 - **Outside Diameter:** 63 mm (2.5" nominal); 114 mm (4.5" "Big Blue") available for high-capacity housings
 - **Micron Ratings:** Carbon Block: Nominal ~5 µm (variants available from 1–10 µm). GAC: Nominal particulate retention ≥20 µm; adsorption performance is primary
 - **Carbon Base Options:**
 - **DL PAC – Coconut shell carbon:** high microporosity, superior chlorine/taste/odour reduction
 - **DLCTO – Coal-based carbon:** higher mesopore/macropore fraction, suited for broad organics removal and economic utility filtration
 - **Media Type:** Carbon Block: Compressed activated carbon with polypropylene support wrap and solvent-free bonding. GAC: High-activity granular activated carbon packed in polypropylene core/shell with retainers
 - **End-Cap Options:** DOE (double open end) standard; SOE 222/Flat, 222/Fin, 226/Flat, 226/Fin available where validated for housing fit
 - **Gasket / O-Ring Materials:** Buna-N (NBR), EPDM, Silicone, Viton® (FKM); other elastomers available upon request
 - **Construction:** Activated carbon media with polypropylene caps, core, and outer wrap; solvent-free thermally bonded structure (block); polypropylene retainers and diffusers (GAC)
 - **Operating Temperature:** Continuous service up to 52 °C (125 °F) in aqueous applications
 - **Compliance:** Food-contact compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011) when specified at SKU level
 - **Packaging:** Individually wrapped and labelled with series code (LFX-CACT™), format (Block/GAC), micron rating, length, end-cap style, and lot/traceability code
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¹ Match length, OD, and end-cap style (DOE vs SOE) one-for-one. Some OEMs also offer proprietary heads (e.g., Everpure); these are not drop-in DOE equivalents. Carbon block vs GAC must be matched to the application (particulate polishing + chlorine vs high-capacity adsorption).

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