



LFX™ Series – Liquid Filtration Excellence Engineered for Results

LFX-CCL™ – Meltblown Polypropylene Coolant & Lubricant Depth Filter Cartridges Product Highlights

Filtracore Asia's **LFX-CCL™ Meltblown Polypropylene Depth Filter Cartridges** are engineered for **high-efficiency coolant and lubricant filtration**, complementing bag filters where **finer particulate control or compact housings** are required. While filter bags excel at bulk contaminant removal, cartridges are the preferred choice in **applications demanding consistent sub-10 µm retention, fine polishing, or stable performance in centralised systems with limited space.**

Constructed from **graded-density meltblown polypropylene with a rigid polypropylene core**, LFX-CCL™ cartridges provide **progressive depth filtration**, capturing both coarse chips and fine particulates while maintaining **stable differential pressure and long service**



life. The **bonded fibre matrix** prevents media migration, while the all-polypropylene design ensures **broad chemical compatibility** with aqueous coolants, semi-synthetic emulsions, and straight oils.

LFX-CCL™ cartridges are available in **standard meltblown, multilayer depth, and high-efficiency graded formats**, offering procurement teams the flexibility to **balance cost and performance** according to system requirements. These variants deliver **excellent dirt-**

holding capacity, low extractables, and predictable micron accuracy – helping to reduce tool wear, extend fluid life, and improve surface finish in machining operations. Manufactured in **industry-standard lengths (10", 20", 30", 40")** and a full range of end-cap configurations, LFX-CCL™ cartridges integrate seamlessly into housings from **Eaton®, Pall®, Parker Hannifin®, Pentair®, Donaldson®, and Filtration Group®**, ensuring straightforward adoption without system redesign.

For procurement professionals, LFX-CCL™ represents a **dependable, cost-effective, and globally benchmarked solution** for coolant and lubricant filtration – delivering **predictable change-out schedules, reduced downtime, and lower total operating costs** in metalworking and machining environments.

Efficient. Durable. Operator-Friendly.

Applications - LFX-CCL™ – Meltblown Polypropylene Coolant & Lubricant Depth Filter Cartridges

LFX-CCL™ – Meltblown Polypropylene Coolant & Lubricant Depth Filter Cartridges are utilised in precision machining and metalworking operations where fine particulate removal and stable fluid quality are essential for process reliability and equipment longevity. Typical applications include:

- **CNC Machining** – filtration of coolant loops and tool chambers to protect tooling and maintain surface finish
- **Grinding Operations** – removal of fine particulates and swarf to prevent wheel loading and extend dressing intervals
- **Metal Cutting** – inline clarification of cutting fluids to reduce tool fouling and maintain process stability
- **Parts Washing** – protection of wash systems and nozzles from debris and residue build-up
- **Hydraulic Systems** – polishing of lubricants and fluid reservoirs to minimise varnish formation and wear
- **Industrial Lubrication** – filtration of gear oils and machine lubricants in heavy-duty plant operations and, **other demanding industrial environments**

OEM Compatibility & Replacement Cross-Reference

LFX-CCL™ – Meltblown Polypropylene Coolant & Lubricant Depth Filter Cartridges are engineered for broad compatibility¹ with industry-standard coolant and lubrication housings, allowing seamless adoption into machining, grinding, and central coolant systems. They are supplied in OEM-equivalent dimensions and end-cap styles for direct use in housings from:



- **Eaton® – LOFTREX™** melt-blown polypropylene depth cartridges; compatible with Eaton cartridge housings (e.g., TOPCART™, ECOCART)
- **Shelco® – MicroSentry™ MB Series** melt-blown PP depth cartridges
- **Parker Hannifin® – MegaBond™** and **Avasan™** melt-blown polypropylene depth cartridges
- **3M / Solventum – Betapure™ NT-T** absolute-rated PP depth cartridges
- **Donaldson® - PP-FC / PP-FC 100** melt-blown PP depth cartridges
- **Pentair® (Pentek) – P Series / Polydepth®** spun/melt-blown PP depth cartridges

Ordering Information - LFX-CCL™ – Meltblown Polypropylene Coolant & Lubricant Depth Filter Cartridges

When placing an order, please specify the following:

- **Cartridge Lengths:** Standard 10", 20", 30", and 40"; custom lengths available upon request
- **Outside Diameter:** Nominal 63 mm (2.5") and 114 mm (4.5" – "Big Blue" style); other diameters available for specific housings
- **Micron Ratings:** From 1 µm to 100 µm; application-specific ratings below or above this range available on request
- **Media Type:** Meltblown polypropylene depth media; multilayer and high-efficiency graded formats available for extended service life
- **End-Cap Options:** DOE (double open end), SOE (single open end), 222/226 O-ring with flat or fin end, threaded end options (custom adaptors available)
- **Gasket/O-ring Materials:** Buna-N, EPDM, silicone, Viton®, and other elastomers to match fluid compatibility requirements
- **Surface Finish Options:** Coarse Surface for high mechanical strength, smooth surface for low fibre shedding and fine polishing, deep groove for higher flow and extended dirt-holding capacity and minigroove for high filtration efficiency in critical polishing applications
- **Construction:** All-polypropylene bonded fibre design; solvent-free, thermally bonded structure ensures no media migration
- **Accessories:** Magnetic separator inserts (ACCSX™) recommended for upstream capture of ferrous fines in machining systems

¹Compatibility based on industry-standard dimensions, end caps, and sealing configurations. Always confirm with system specifications before ordering.

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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