



DFX™ Series – Dust Filtration Excellence Built for Industrial Demands

DFX-FMS™ – Fiberglass Blend Dust Filter Bags Product Highlights

Filtracore Asia's **DFX-FMS™ Fiberglass Blend Dust Filter Bags** are engineered for **industrial processes demanding both high-temperature resistance and chemical durability**. Manufactured from **fibreglass-reinforced needlefelt blended with fibres such as PPS, PTFE, or aramid**, this media combines the **thermal stability of fibreglass** with the **mechanical strength and chemical resistance of performance polymers**. The result is a bag designed to maintain structural integrity in environments exceeding **200 °C continuous service**, while tolerating **acidic or alkaline gas streams** that would quickly degrade standard synthetic felts.



Optimised for **steelworks, cement kilns, waste incinerators, smelters, and other heavy industrial processes**, DFX-FMS™ provides **dimensional stability and low shrinkage under prolonged**

thermal stress, improved resistance to chemical attack where SOx, NOx, or acidic vapours are present, and extended service life with consistently low emissions, reducing both filter change-outs and operating costs.

DFX-FMS™ bags are available in standard and custom configurations for **pulse-jet, shaker, and reverse-air collectors**. They are supplied in **OEM-equivalent constructions**, designed to fit baghouses from **BWF® Envirotec, Parker Hannifin®, Donaldson®, Nederman MikroPul®, Clarcor®, and other leading system providers.**

Thermal Toughness. Dimensional Stability. Built for Severe Dust Environments.

Applications - DFX-FMS™ – Fiberglass Blend Dust Filter Bags

- **Steelworks & Foundries:** Blast furnaces, basic oxygen furnaces, electric arc furnaces, and secondary steelmaking operations where heat, sparks, and corrosive gases demand reinforced stability
- **Cement & Lime Kilns:** Main kiln, clinker cooler, and raw mill exhaust handling elevated temperatures and acid-laden dust streams
- **Waste & Hazardous Incineration:** Municipal, industrial, and medical waste incinerators where mixed flue gases contain high levels of SO_x, NO_x, HCl, and dioxins
- **Non-Ferrous Smelting:** Aluminium, copper, and nickel smelters requiring resistance to both thermal peaks and aggressive particulate
- **Power Generation & Boilers:** Biomass, RDF, and coal-fired boilers where corrosive ash and sustained high temperatures exceed the performance of synthetic fibres
- **Chemical & Process Plants:** High-temperature dryers, reactors, and calcination units producing acidic or alkaline vapours with abrasive dust



OEM Compatibility & Replacement Cross-Reference

DFX-FMS™ Fibreglass Blend Dust Filter Bags are supplied in OEM-equivalent constructions¹ for cylindrical baghouse systems and can be manufactured to fit:

- **Donaldson® Torit®** high-temperature baghouse collectors
- **AAF® FabriPulse®** and other high-temp FMS designs
- **Parker Hannifin® BHA®** filter bags (fibreglass blend media)
- **BWF®** Envirotec FMS ranges (fibreglass + PPS/PTFE/aramid blends)
- **Clarcor® / BWF®** fibreglass blend filter designs
- **Nederman MikroPul®** baghouse collectors
- **Sly Inc.® TubeJet®** and other high-temp systems

Other compatible OEM systems upon request

Order Information - DFX-FMS™ – Fiberglass Blend Dust Filter Bags

When placing an order, please specify the following:

- **Bag Diameter:** Standard diameters include 120 mm, 125 mm, 130 mm, 150 mm, and 160 mm; other diameters available on request
- **Bag Length:** 1000 mm to 6000 mm standard; extended lengths available for large collectors
- **Media Type:** Fibreglass needlefelt reinforced with PPS, PTFE, or aramid fibres (blend ratio tailored to application)
- **Surface Treatments:** Optional PTFE coating, graphite impregnation, or silicone finish for chemical resistance, flex life, and cake release
- **Top Options:** Snap band, raw cuff, corded cuff, compression cuff, flange collar, or ring top
- **Bottom Options:** Sewn disc (standard); wear pads or reinforced bottoms available for abrasion resistance
- **Seam Construction:** Sewn with high-temperature resistant thread; double or triple-stitched options
- **Cage Compatibility:** Designed for use with standard round or oval support cages
- **Compliance:** Supplied for high-temperature and chemically aggressive service; food-contact compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011)
- **Add-Ons:** Anti-collapse rings, wear pads, top-load guides, spark-resistant cuffs
- **Colour:** Typically light grey or beige, with variations depending on fibre blend and surface treatment

¹ Replacement compatibility claims are based on media type, construction format, dimensional tolerances, and known OEM baghouse configurations. Always verify housing style, cage fit, and chemical resistance prior to installation. Please consult FiltraCore Asia's technical team for application-specific guidance, retrofit verification, or support for custom-engineered filtration solutions.

Pleated variants of this media are sometimes promoted but are not considered commercially reliable due to fibre and service-life limitations. FiltraCore Asia supplies only proven bag constructions in line with global OEM standards.

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