DFX Series

DFX™ Series – Dust Filtration Excellence Built for Industrial Demands

DFX-ANT™ – Antistatic Dust Filter Bags Product Highlights

FiltraCore Asia's **DFX-ANT™ Antistatic Dust Filter Bags** are engineered for **safe, reliable dust filtration** in **explosive or static-prone environments**. Constructed with **conductive felts and antistatic stitching**, these bags prevent ignition risks by ensuring **controlled dissipation of static electricity**, making them suitable for use in **ATEX Zone 21/22 classified areas** and other **combustible dust applications**.

Each bag incorporates **carbon, copper, or stainless steel-based conductive media** to maintain safe **surface resistivity levels** without compromising filtration performance. **DFX-ANT™ delivers low emissions, high dust retention, and extended service life**, and is offered in **OEM-compatible constructions** to fit industry-standard dust collection systems. **Pleated configurations** are also available, providing **increased surface area**, **lower pressure drop**, and **extended service intervals without major system modifications**.

Designed for facilities handling **sugar, flour, aluminium, coal, pharmaceuticals**, and other **static-sensitive materials**, **DFX-ANT™** can be supplied for use in **baghouse housings from Donaldson®, AAF®, Parker Hannifin®, BWF® Envirotec, Clarcor®, Nederman MikroPul®, Sly Inc.®**, and other leading OEM designs upon request.

Safe Dust Control. Certified Compliance. Proven Compatibility.

Applications - DFX-ANT™ – Antistatic Dust Filter Bags

- **Food & Agriculture:** Sugar mills, flour mills, grain silos, starch plants, and feed production, where combustible organic dusts pose explosion risks

- **Metals & Mining:** Aluminium powder processing, coal handling, and other metallic or carbonaceous dust environments requiring static control
- **Pharmaceuticals & Chemicals:** Fine powder processing, active ingredients, and chemical plants where electrostatic build-up may ignite flammable dust clouds
- **Plastics & Resins:** PVC, polyethylene, and resin dust collection in compounding and extrusion operations
- **Wood & Biomass:** Sawdust, pellet production, and biomass boilers where static-prone organic dusts are present
- **General Manufacturing:** Paint booths, powder coating lines, and other facilities handling combustible or volatile dusts, and other demanding industrial applications

OEM Compatibility & Replacement Cross-Reference

DFX-ANT™ Antistatic Dust Filter Bags are available in OEM-equivalent constructions[1] for cylindrical baghouse systems and can be supplied to fit:

- **Donaldson® Torit®** baghouse collectors
- **AAF® FabriPulse®** and similar OEM antistatic designs
- **Parker Hannifin® BHA®** filter bags (antistatic media
- **BWF®** Envirotec conductive felts
- **Nederman MikroPul®** baghouse collectors
- **Sly Inc.® TubeJet®** systems

Other compatible OEM systems upon request

Order Information - DFX-ANT™ – Antistatic 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; custom diameters available on request
- **Bag Length:** 1000 mm to 6000 mm standard; longer lengths available upon request
- **Media Type:** Conductive felts incorporating carbon, copper, or stainless steel fibres
- **Surface Resistivity:** Typically < 1.0 × 10^8 ohms (ATEX Zone 21/22 suitability)
- **Finishes & Treatments:** Options include singed, calendered, oil & water repellent, PTFE membrane laminated
- **Top Options:** Snap band, raw cuff, corded cuff, compression cuff, flange collar, or ring top (earthing provisions available if required)
- **Bottom Options:** Sewn disc (standard); reinforced bottoms or wear pads available for abrasion resistance
- **Seam Construction:** Sewn with high-strength antistatic thread; double or triple-stitched options
- **Cage Compatibility:** Designed for use with standard round or oval support cages
- **Compliance:** Antistatic versions supplied for installation in ATEX Zone 21/22 certified dust collection systems; 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
- **Pleated Option:** Available on request for retrofit applications, providing 2–3× surface area, reduced pressure drop, and extended service intervals. Conductive integrity is maintained for suitability in ATEX-certified systems

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[1]Always confirm that the dust collector system is properly grounded and that bag design (resistivity, continuity) aligns with site-specific risk classification (e.g., ATEX Zone 20/21, NEC Class II Div 1). All replacement compatibility claims are based on media type (antistatic-treated polyester), construction format (snap band, flange collar, etc.), and grounding provisions. Always confirm end cap styles and grounding continuity before installation.

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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