



DFX™ Series – Dust Filtration Excellence Built for Industrial Demands

DFX-PES™ – Polyester Dust Filter Bags Product Highlights

Filtracore Asia's **DFX-PES™ Polyester Dust Filter Bags** provide a **durable and economical solution** for standard dust collection applications. Constructed from **polyester needlefelt**,



these bags are engineered for **continuous service up to 135 °C** with short-term peaks to 150 °C, delivering reliable filtration across a wide range of industrial processes.

Offering **good abrasion resistance, mechanical strength, and consistent performance in dry operating conditions**, DFX-PES™ is a proven choice for industries where cost-efficiency and availability are key. While polyester media has **limited hydrolysis and chemical resistance**, it performs exceptionally well in **neutral dust environments** with stable, dry operating temperatures.

Typical applications include **woodworking, grain handling, cement grinding, steel fabrication, and general industrial dust control**. For procurement teams, DFX-PES™ represents a **cost-effective, readily available, and long-life solution** for baghouse systems.

DFX-PES™ is manufactured in **OEM-equivalent constructions** for pulse-jet, shaker, and reverse-air collectors, with compatibility across housings from **Donaldson®, AAF®, Parker Hannifin®, BWF® Envirotec, and other global suppliers**.

Pleated polyester options are also available to increase surface area and extend service life in space-constrained systems.

Resilient. Thermally Stable. Trusted in Demanding Dry Filtration.

Applications - DFX-PES™ – Polyester Dust Filter Bags

DFX-PES™ Polyester Dust Filter Bags are widely applied in standard dust collection environments where moderate temperature and neutral dust conditions prevail. Typical applications include:

- **Woodworking & Furniture Manufacturing** – efficient capture of sawdust, sanding dust, and fine wood particulates
- **Grain Handling & Milling** – dust control in silos, conveying, and feed processing (non-explosive, dry conditions)
- **Cement Grinding & Minerals Processing** – capture of abrasive fine dust at moderate temperatures
- **Steel Fabrication & Metalworking** – collection of welding fumes, grinding, and cutting dust.
- **General Industrial Dust Collection** – found in manufacturing plants, packaging lines, and material handling systems



In these settings, **DFX-PES™** offers dependable service life, cost efficiency, and compatibility with existing baghouse systems, making it a reliable procurement choice for a broad spectrum of industries.

OEM Compatibility & Replacement Cross-Reference

DFX-PES™ Polyester Dust Filter Bags are engineered as OEM-equivalent replacements¹ for standard baghouse systems and can be supplied to fit:

- **Donaldson® Torit®** baghouse collectors (polyester felt media)
- **AAF® FabriPulse®** polyester bags
- **Parker Hannifin® BHA®** filter bags (polyester variants)
- **BWF®** Envirotec polyester ranges
- **Nederman MikroPul®** dust collector systems
- **Sly Inc.® TubeJet®** and other polyester-compatible designs

Other compatible OEM systems upon request

Order Information - DFX-PES™ – Polyester Dust Filter Bags

When placing an order, please specify the following:

- **Bag Diameter:** Standard diameters 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 upon request
- **Media Type:** Polyester needlefelt, basis weight typically 500–550 g/m²
- **Finishes & Treatments (optional):** Singed, glazed, calendered, oil & water repellent, PTFE membrane laminated
- **Top Options:** Snap band, raw cuff, corded cuff, compression cuff, flange collar, or ring top
- **Bottom Options:** Sewn disc (standard); reinforced bottoms or wear pads available for abrasive environments
- **Seam Construction:** Sewn with high-strength polyester or aramid thread; double or triple stitched options
- **Cage Compatibility:** Designed for use with standard round or oval support cages
- **Operating Conditions (recommended):** Continuous 135 °C; peaks up to 150 °C; suitable for neutral, dry dust environments
- **Compliance:** OEM-equivalent designs; food-contact compliant variants available on request (FDA 21 CFR; EU 1935/2004 & 10/2011)
- **Add-Ons:** Wear pads, anti-collapse rings, top-load guides, spark-resistant cuffs
- **Pleated Option:** Available to increase surface area, reduce pressure drop, and extend service intervals



¹ Always verify compatibility of bag design (top/bottom configuration, media weight, finish) with existing dust collector systems. OEM names are for cross-reference only and do not imply affiliation or endorsement.

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