



DFX™ Series – Dust Filtration Excellence Built for Industrial Demands

DFX-PTFE™ – PTFE (Teflon®) Coated Dust Bags Product Highlights

Filtracore Asia's **DFX-PTFE™ Dust Filter Bags** are engineered for the harshest industrial applications, where **extreme chemical resistance, high temperatures, and ultra-low**

emissions are mandatory. Manufactured from **100% PTFE (Teflon®) fibre needlefelt or woven PTFE**, these bags are rated for **continuous operation up to 250 °C** and withstand short-term spikes to 260 °C without compromising structural integrity.



DFX-PTFE™ offers **inert resistance to virtually all acids, alkalis, solvents, and oxidisers**, ensuring long service life even in the most corrosive gas streams. With a **naturally non-stick surface**, PTFE bags deliver excellent dust cake release, stable pressure drop, and reduced maintenance cycles. When paired with a PTFE membrane, they achieve **exceptional collection efficiency**, meeting the most stringent global emission standards.

Designed for use in **waste incineration, chemical processing, power utilities, and metal smelting**, DFX-PTFE™ provides **maximum durability and system reliability**. Available in **OEM-equivalent constructions**, they are fully compatible with pulse jet, shaker, and reverse air collectors from **Donaldson®, Parker Hannifin®, BWF® Envirotec, AAF®, FLSmidth®, and other major OEMs**.

Advanced Emissions Control. Exceptional Durability. Trusted by Compliance-Driven Industries.

Applications - DFX-PTFE™ – PTFE (Teflon®) Coated Dust Bags

DFX-PTFE™ Dust Filter Bags are applied in the most aggressive process environments where other filter media cannot deliver acceptable service life or emission control:

- **Hazardous & Municipal Waste Incineration:** Long-term durability against corrosive acid gases (SOx, NOx, HCl, HF) and sticky submicron particulates



- **Chemical Processing & Synthesis:** Resistance to strong acids, alkalis, oxidisers, and solvents in high-temperature exhausts
- **Pharmaceutical Production:** Ultra-clean performance in static-sensitive or contaminant-critical applications with fine powders

- **Power Utilities (Coal, Biomass, RDF):** Stability under fluctuating flue gas temperatures, humidity, and chemical attack
- **Metal Smelting & Refining:** Reliability under corrosive, high-temperature fumes from non-ferrous and ferrous smelters
- **Hazardous Waste Treatment Plants:** Designed for extreme operating conditions where emission compliance is non-negotiable

OEM Compatibility & Replacement Cross-Reference

DFX-PTFE™ Dust Filter Bags are engineered as OEM-equivalent replacements¹ and can be supplied to fit:

- **Donaldson® Torit®** PTFE media dust bags
- **Parker Hannifin® BHA®** PTFE filter bags
- **BWF®** Envirotec PTFE ranges
- **AAF® FabriPulse®** PTFE designs
- **FLSmidth®** high-performance PTFE filter bags
- **Nederman MikroPul®** PTFE housings
- Other high-temperature OEM baghouse systems



Other compatible OEM systems upon request

Order Information - DFX-PTFE™ – PTFE (Teflon®) Coated Dust Bags

When placing an order, please specify the following:

- **Bag Diameter:** Standard 120 mm, 125 mm, 130 mm, 150 mm, and 160 mm; custom diameters on request
- **Bag Length:** 1000 mm to 6000 mm standard; extended lengths available on request
- **Media Type:** 100% PTFE needlefelt or woven PTFE; basis weight 750–900 g/m²
- **Finishes & Treatments:** PTFE membrane lamination, graphite coating (optional), or expanded PTFE for critical applications
- **Top Options:** Snap band, flange collar, raw cuff, corded cuff, or compression cuff
- **Bottom Options:** Sewn disc (standard); reinforced bottoms or wear pads available
- **Seam Construction:** Sewn with PTFE thread; welded seam options available for maximum emission control
- **Cage Compatibility:** Designed for standard round or oval cages; venturi options available
- **Operating Conditions (recommended):** Continuous service up to 250 °C, short-term peaks to 260 °C; chemically inert to acids, alkalis, oxidisers, and solvents
- **Compliance:** Suitable for installations requiring stringent global emission standards; food-contact compliant variants available (FDA 21 CFR; EU 1935/2004 & 10/2011)
- **Add-Ons:** Anti-collapse rings, wear pads, spark-resistant cuffs, and grounding options

¹ DFX-PTFE™ bags are engineered for excellent cake release and filtration efficiency in corrosive or sticky dust applications. Suitable for operating temperatures up to 260°C (500°F). Commonly used in chemical processing, titanium dioxide, carbon black, pharmaceuticals, and incinerators. Confirm cage compatibility and grounding provisions if anti-static performance is required.

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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