

Dustcheck SFB162 Twin Fan Dust Extractor - ATEX Rated Dusts



Stock No	EF2311
Manufacturer	Dustcheck
Model	SFB162-1.2-30CS2
Year of Manufacture	2008
Serial	5513
Condition	From a working environment, Good Condition
Approx Duty CFM / M ³ /Hr	15300/26000 @ Filter Velocity 2.23 m/min
Filter Area ft ² / m ²	2100/194: 162 Bags Anti-Static Polyester
Other Info	Continuous Rated Reverse Pulse Baghouse
Location	Wednesbury, UK
Weight (kgs)	5000
External Dimensions (WxDxH mm)	5233 x 3371 x 6200mm +Fan Silencers

Description

The Dustcheck SFB162 extractor is a high capacity dust extractor designed for applications involving combustible dusts classified for ATEX Zone 22 environments. Delivering up to 26,000 m³/hr through 162 anti-static polyester filter bags, it combines powerful twin fan extraction with explosion relief protection made up of three vertical explosion relief panels.

The CSR clean side removal system enables tool free filter replacement, supporting safer, faster maintenance in

demanding ATEX dust extraction applications.

Features

- **Inlet Section** - The dirty exhausted air containing particulate matter enters the dust collector through an inlet duct or hood.
- **Filter Media** - Inside the dust collector, the air passes through a series of fabric filter bags or cartridges. These are made of porous materials like woven or felted fabrics made from natural or synthetic fibres. The fabric acts as a barrier, allowing the air to pass through while trapping the dust particles.
- **Dust Collection** - As the air flows through the filter media, the particulate matter is captured by the filter bags or cartridges. The dust accumulates on the outside of the filter, forming a layer known as the dust cake.
- **Clean Air Outlet** - After passing through the filter media, the clean air exits the dust collector through an outlet duct, returning to the atmosphere or via secondary filtration if clean air is to be returned to the workplace.
- **Cleaning Mechanism** - Over time, the dust cake build up on the filter media can reduce the air volume of the dust collector due to the increased pressure drop across the system. To maintain optimal performance, the dust collector typically employs a cleaning mechanism to remove the accumulated dust from the filter elements.

Specification

- Fans - 2 off 18.5kW
- Filter bags - 162
- Filter Media - Anti-Static Polyester Needlefelt (SG & UCF)
- Filtration Velocity- 2.23 m/min
- Filter Area - 194.4m²
- Unit Design Volume - 26000m³/hr
- 3 Vertical explosion relief panels
- ATEX dust - Capable to handle Zone 22 ATEX dusts (Category 3D for occasional or brief exposure to combustible gases)
- Construction - Mild steel with powder coated finish
- 6 off access doors (for clean side cartridge removal)
- Inlet to the rear
- Inlet baffle plate
- Inlet size - 750 x 750mm

Supply Requirements

- Electrical - 400V, 3ph, 50ph/18.5kW
- Compressed air - 6 bar

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.