

Blower filter Range >25,000m³/Hour

The blower filter is an ATEX Certified negative pressure filter system with the extraction fan set on the clean air side. A low noise solution designed for continuous operation and constructed from 3mm high strength steel with a powder coated finish to corrosion class C3 cf. ISO 12944.

Safety Features:

Main fan on clean air side to eliminate risk of spark ignition via material impact
Fire thermostat fitted on all models
ATEX certified explosion relief panels
Fire damper with monitoring system
Safety ladder and access platform fitted as standard
Local isolation and emergency stop buttons installed at all motor locations
Rotation monitoring to ensure system stops in the event of motor failure
Door safety system to prevent access to all doors while the system is in operation
This filter series is designed to be used in conjunction with our MTD fan range, operating at around 80% efficiency when compared to a traditional fan of around 55%

The compact round design ensures great strength and a small system footprint.
A low cost of ownership system with minimal maintenance.

The Blower filter is fitted with 180° tangential inlets to ensure effective separation of heavy materials before the process air passes through the filter media.

Standard height is 1000 mm from the base of the filter to the floor to allow for bulk bag waste material storage, this height can be extended to meet our customer needs.

Filters available in this range are as follows:

BF34-4M

BF55-3M,

BF55-4M

Operating Range

Pressure: +/- 5000 Pa

Filter area: 61.8 - 99.8m²

Air Volume: 12,000 - 25,000m³/Hour

Max. operating temperature: 70°C

Min. operating temperature: -20°C

Gear motor scraper bottom:

Type 34 - 0.55 kW, 11.0 min-1, 3 x 400 V, 50 Hz, 1.7 A

Type 55, 60, 84 and 90: 0.75 kW, 11.0 min-1, 3 x 400 V, 50 Hz, 2.2 A

Inductive rotation sensor, scraper bottom: 24 VDC

Ladder/walkway:

Ladder/walkway designed according to ISO/EN/DIN 14122.3/4 and standard on all filter systems.

Noise

Noise level during cleaning measured 5 m from ground level:

BF34 : 70.0 dBA

BF55 : 70.0 dBA

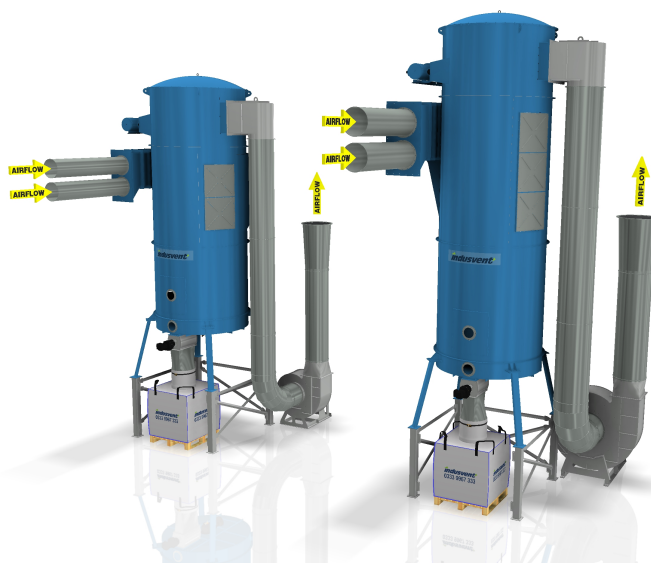
Access Door contacts:

2.3 (close-before-switch-contact) in accordance with EN50047, IP67 NC contact.

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BF-filter with scraper bottom and tangential inlet. Shown with explosion relief venting in side. With ladder and platform mounted.



BF-filter with scraper bottom and tangential inlet. Shown using bulk bag waste storage system including monitoring system