



Attn:

Supplier : **Airtight Solutions Ltd**
 Description : **NFS-1HJ REVERSE AIR FILTER (RAF) - 2 x REGENERATION FANS**
 Our REF #

PRODUCT INFO SHEET
DUST COLLECTOR
NFSZ3000 Filter
NFSZ3000 bag filter with rotary valve or screw conveyor
Description

The NFSZ3000 Filter is designed for small and medium-sized air volumes and can handle large volumes of heavy material concentration. It is a modular filter made of galvanised steel sheet. The filter is self-supporting; it has telescopic supporting legs and is suitable for outdoor locations. The filter is available in two widths, type E (1200 mm) and type J (2400 mm). Each module of the filter construction is fitted with a combined inspection and explosion relief door. A regeneration fan is mounted for reverse air cleaning of the filter bags. The filter is fitted with the unique patented SUPERBAG filter bag.

The medium/large particles are separated in the filter hopper and inlet section (optional) and the air is then distributed to the filter bags. The collected material is discharged through the rotary valve or screw conveyor. The filter is for use in situations requiring non-pressurised material discharge directly into a silo, container or separate material transport system. The filter can be supplied for either continuous operation or with a pause for cleaning of the filter bags every four hours.



1HJ with 2 x Regeneration cleaning fans



ATEX II D St2
 certified equipment
 under the Baseefa
 06 ATEX 0068

Advantages

- NFSZ3000 with rotary valve or screw conveyor handles air volumes from 5,000 – 60,000 m³/h
- Wide range of rotary valves/ screw conveyors for discharge
- ATEX certified for St1 and St2 dust with a Kst value up to 300 bar m/s.
- Compact design
- Suited for handling large volumes of air with heavy material contamination
- Designed for continuous operation or operation with a 15 minutes cleaning pause approx. every four hours
- To be mounted either on the ground or on the roof
- Overpressure version or vacuum version up to 5,000 Pa
- Explosion venting up-ward or side ward
- Powerful on-line cleaning by efficient regeneration fans
- Patented polyester SUPERBAG filter bags
- Easy to install on site and extend when required
- Reduced power consumption

Technical parameters:

- Maximum working temperature: 75°C
- Maximum vacuum: 500 Pa, optional 5000 Pa
- Maximum over pressure: 800 Pa
- Inlet through the filter hopper or through inlet module
- Regeneration fan for reverse air cleaning of filter bags, can be fitted in the side or on the roof
- Combined inspection and explosion relief doors
- Filter area per module:
 HJ: 85 m² HE: 42 m²
 LJ: 40 m² LE: 20 m²
- Up to 510 m² per filter

Finish:

- Galvanised steel sheet

Options:

- Range of filter media suited to the dusts to be treated
- Regeneration fan on the side or on the top
- Explosion relief venting through combined inspection and explosion relief doors on the side, in the top or UP venting.

Accessories:

- Regeneration fan
- Return air ducting components for positive and negative pressure version
- Bracing
- Gangway and ladder for maintenance purposes
- Dry sprinkler system


NFS-1HJ REVERSE AIR FILTER (RAF) - 2 x REGENERATION FANS
50 antistatic carbon woven polyester filter socks, 85 m²

Single Regeneration Fan

Filter footprint : 1200 x 2400 mm

Max capacity : 18,000 m³/hr *
Filter / Baghouse system
\$
included

excluding gst & freight

* dependant on dust volume and type

(see Scope of Supply and Terms & Conditions for full project details)

 Regards **Airtight PTY Ltd**

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