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INDUSTRIES

Bag Filter

Bag Filter

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Bag Filter (also known as bag house, pulse jet filter) is an air pollution control device that removes dust particle from the gas through the filter media.
Dust laden gases enters in the Bag Filter through the ducting and passes by fabric filter or filter bags. Here dust trap by filters and clean air or gas vent in the atmosphere.

The Working Principle

- The Bag Filter mainly divided in two section i.e. clean air chamber and dirty chamber.
- The dust laden gases enter in the Bag Filter that area is known by dirty chamber.
- In dirty chamber dust trap by filter media and clean air or gas passes through filter media in the atmosphere.
- Due to continuous process collected dust on filter media is clean by pulse jet air.
- Cleaned dust discharge by rotary air lock or knife gate valve from the dirty chamber.

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Advantage of TNBi Bag Filter

- Automatic dust extraction unit with maximum filter area utilization under minimum space requirements.
- Capacity designed up to 500000 m3/hr
- Temperature up to 260 deg C
- Pressure from full vacuum to 33 bar.
- Design as per application and sizes differ with space and application.
- Easy maintenance with less man power.
- Wide experience to handle multiple type of dust.
- Quick & Reliable services.
- Guaranteed Performance.
- ATEX Compliance can be offered.

Industries Served

- Steel
- Cement
- Drugs and Pharmaceuticals
- Power
- Agro Based / Sugar / Rice / Tobacco
- Breweries and Distilleries
- Food Processing
- Paper and pulp
- Solvent Extraction
- Textiles
- Soaps, Detergents & Waxes
- Non-Ferrous Metallurgy
- Paints, pigments and Dyes
- Tyres
- Wood Processing
- Etc.

OTHER PRODUCT LINE

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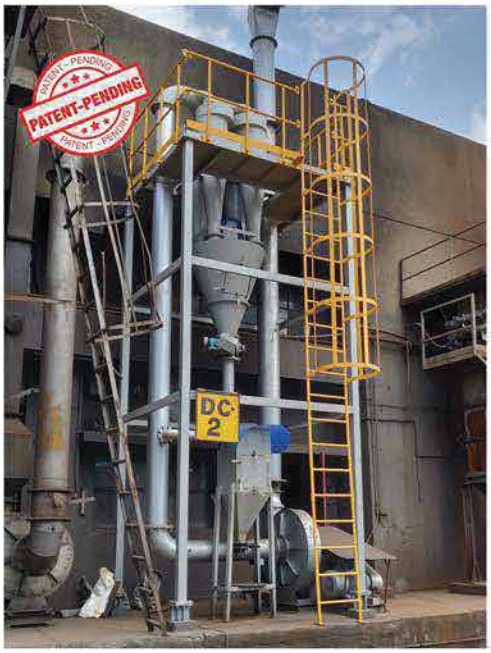
Classifier



Scrubber

Cyclone

Centrifugal Blower

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