

About Us

VYAS SOLUTIONS offers Bag Filters and Bag Houses with 99.99% efficiency with less maintenance, best quality and long life. Bag filter is pulse jet type cleaning with sequential controller based. The filtration takes place with forming cake on the bag surface area. The offered Bag filters can handle high dust loads, flue gases at high temperature with using the most suitable filter bags.

VYAS SOLUTIONS Offers both OFF-LINE type and ON-LINE type bag filters & bag houses.

VYAS SOLUTIONS Bag Filters are used in Steel, Sponge iron, Ferro Alloy plants, Cement Industries, RMC Plants, Thermal Power, Process Industry, Chemical industry, machinery, mine, petroleum, dyestuffs, food, grain processing.



Pneumatic Conveying System

VYAS SOLUTIONS offer both dilute phase and dense phase pneumatic conveying system. phase pneumatic conveying system. It is low pressure high velocity system. The type is either vacuum or pressure. It is used to collect the material from pick up point to destination point. To create the vacuum or pressure, twin lobe type blowers are used. The system can be with multi collection and multi destination points. Bag Filter / Vent Filter is works as product collector.

Other Equipments :



Drag Chain Conveyors



Bucket Elevators



Vyas Solutions Pvt. Ltd.

Regd. Office :

Flat no.12, Sajjan Plaza, Chaphekar Chowk,
Opp. Hindustan Bakery, Chinchwad, Pune - 411033.
Tel. : 020-27405094,
Cell : +91 8805463119
Email:- vyas.sales@gmail.com

www.vyassolutions.com



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SOLUTION for POLLUTION



Pollution Control Systems :

- | Gas cleaning plants
- | Fume Extraction systems

Pneumatic Conveying Systems :

- | Dilute or Lean phase
- | Dense phase system
- | Material handling equipments



- | Bag filters
- | Bag houses
- | Dust collectors
- | Product separators
- | Dust extraction
- | Dust Collection system

SOLUTION for POLLUTION

Dust Collection / Dust Extraction System and Gas Cleaning Plant / Fume Extraction System :

VYAS SOLUTIONS offers dust proof at dusting area to achieve Central Pollution Control Board norms (Less than 50 mgm/Nm³ particulate matters). Systems includes, hoods & dampers, ducting, and dust collector to collect the dust and exhaust the clean air to atmosphere, I. D. fan to create the necessary suction at each point and Stack. Dust collection / Extraction system will be with either single or multiple dust collection points.

VYAS SOLUTIONS Systems are used for INDUCTION, FURNACE, LADLE REFINING FURNACE, SUBMERGED ARC FURNACE etc. The system includes hoods & dampers at fume collection point, ducting, heat exchanger with air blowing to reduce the temperature of gas, bag house to collect the dust and exhaust the clean air to atmosphere and I. D. fan to create the necessary suction at each point.



Cyclone Separator :

VYAS SOLUTIONS offers cyclone separator before bag filter in case of heavy dust load. Also it works as a spark arrester in case boilers exhaust gas system. It may be of single type or multi type cyclone separator.

Screw Conveyors :

VYAS SOLUTIONS offer 'U' trough or 'O' type screw conveyors. Size and the length of screw conveyors are varying w.r.t. capacity to handle the material and customers demand. We use hanging bearings for more than 6 meter length. Screw flights are hard faced in case of abrasive material.



Rotary Valve :

VYAS SOLUTIONS offers rotary air lock valves for discharge below bag filters/ dust collectors and as a metering equipment in case of pneumatic conveying system. It is a key equipment in case of pneumatic conveying system

Centrifugal Fan :

VYAS SOLUTIONS offers Centrifugal fans used to required air volume and create required suction or pressure to collect the dust or product. We offer SISW fans along with directly mounted on the motor shaft, direct coupled or belt drive type.



Filter Bag :

VYAS SOLUTIONS offers the bag filters / bag houses with a wide range of filter bags like Polyester, Polypropylene, Non-woven Polyester needle felt, Polyester Anti- static, PTFE with Teflon membrane, Homo-Polymer Acrylic Water repellent bags etc. For high Temperature application, we offer Nomex bags, Ryton bags and Glass fiber bags. Also usually for small bag filters / Vent Filter used Pleated bags / Cartridge filters depend on the application.

Cages :

Cages with integral Ventury are used to support the filter bags. Venturies are designed to reach the air blow during pulsing up to the bottom area of filter bags.



Pulse valves :

Pulse valve is specially designed for reverse air jet bag filters and exhaust gas purifies system. Pulse valve is diaphragm type pilot operated. The coil is attached to operate electrically.