

APCSolutions

Deals in Industrial Air Pollution Control Needs



Let Us Make Mother Earth Better....

Major Segment We served

- ✦ AutoMobile Industries
- ✦ Captive Power Plants
- ✦ Cement Industries
- ✦ Chemical Industries
- ✦ Coal Washers Industries
- ✦ Fertilizer Industries
- ✦ Food Processing Industries
- ✦ Oil Refining Industries
- ✦ Pharmaceutical Industries
- ✦ Pulp & Paper Industries
- ✦ Rubber Industries
- ✦ Sponge Iron Industries
- ✦ Steel Manufacturer Industries
- ✦ Sugar Mill Industries

Application Engineering

Equipment Supply

Spare For Equipments

Annual Maintenance
Contract



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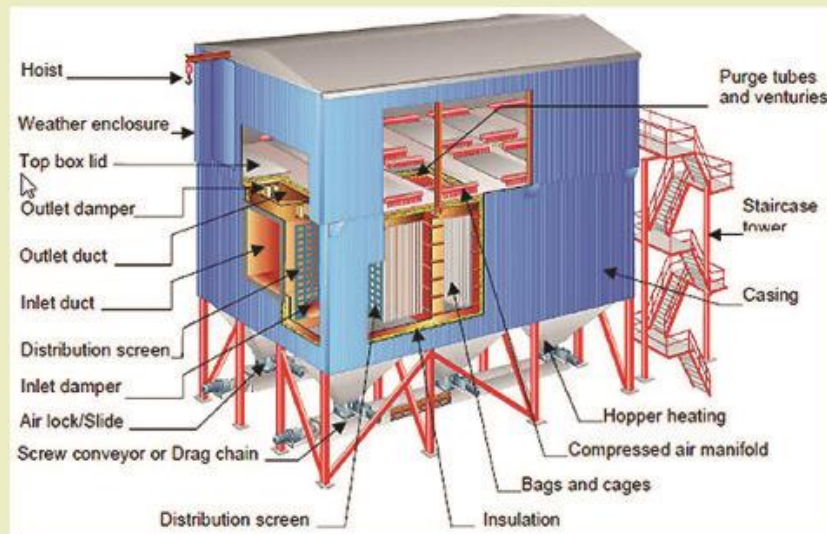
APCSolutions
Air Pollution Control



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Pulse Jet Bag Filter System

Bags are cleaned by a short burst of compressed air injected through a common manifold over a row of bags. The compressed air is accelerated by a venturi nozzle mounted at the top of the bag. Since the duration of the Compressed-air burst is short (0.1s), it act as a rapidly moving air bubble, traveling through the entire length of the bag and causing the bag surfaces to flex. This flexing of the bags breaks the dust cake, and the dislodged dust falls into a storage hopper below. Pulse jet dust collectors can be operated continuously and cleaned without interruption of flow because the burst of compressed air is very small compared with the total volume of dust are through the collector, Because of this continuous-cleaning feature, Pulse jet dust collectors are usually not compartmentalized. The short cleaning cycle of Pulse jet collectors reduces recirculation and redeposit of dust. These collectors provide more complete celaning and reconditioning of bags than shaker or reverse -air cleaning methods. Also the continuous- cleaning feature allows them to operate at higher air-to-cloth ratios, so the space requirements are lower.



Pulse Jet Bag Filter Spares



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We can provide filter bags with performance enhancing finishes like :

Water repellent
Flame Retardant

Water & Oil repellent
PTFE Coated

Anti-Static
PTFE Membrane Laminated

Filter Media Selection Chart						
FIBER TYPE	COMMON BRAND NAMES	TEMP LIMITS* F/C	RESISTANCE TO ACIDS	RESISTANCE TO ALKALIS	RESISTANCE TO HYDROLYSIS	RESISTANCE TO OXIDATION
COTTON	NA	180°/85°	Poor	Good	Good	Good
PVC	Rhovyl, Clevyl	150°/65°	Excellent	Excellent	Excellent	Excellent
POLYPROPYLENE	Herculon	190°/90°	Excellent	Excellent	Excellent	Poor
NYLON	Enka, Antron	230°/110°	Poor	Excellent	Good	Good
HOMOPOLYMER ACRYLIC	Dolanit	257°/125°	Good	Good	Good	Fair
POLYESTER	Fortrel, Dacron	300°/150°	Good	Poor	Poor	Good
PPS	Ryton, Procon	375°/190°	Excellent	Excellent	Excellent	Fair
ARAMID	Nomex, Conex	400°/205°	Poor	Excellent	Poor	Fair
POLYIMIDE	P84	450°/235°	Fair	Fair	Good	Good
PTFE	Profilen, Toyoflon	500°/260°	Excellent	Excellent	Excellent	Excellent
FIBERGLASS	NA	550°/285°	Good	Fair	Excellent	Excellent

*Dry heat only

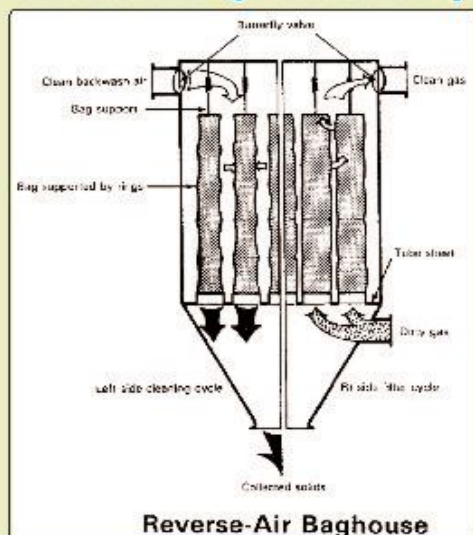
FILTER BAGS SUPPORTING CAGES : We can supply all materials of construction MS, GI, SS304, Ss316, Ss3161.

VENTURY : We can supply venturies made of MS, Aluminum, Cast aluminum and SS304, SS316, Ss3161.

Pilot operated Pulse Valve : Available in 3/4", 1", 1.5", 2" and 2.5".

Solid Sequential Controller : Available in 10, 18 and 40 Channels.

Reverse Air Bag House Filter System & Spares



Other Accessories

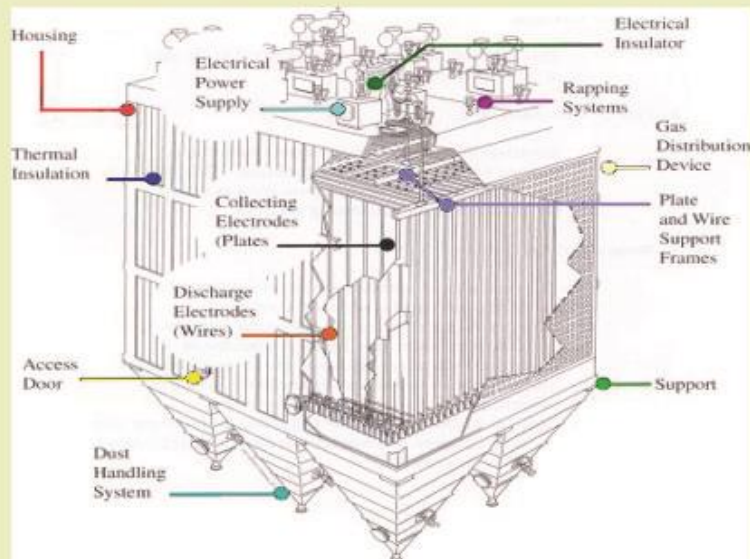


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Electrostatic Precipitators

This is another kind of air filters which use electrostatic forces to separate dust particles from exhaust gases. A number of high-voltage, direct-current discharge electrodes are placed between grounded collecting electrodes. The contaminated gases flow through the passage formed by the discharge and collecting electrodes.

We design & develop this range of air filters using premium quality raw materials by following the guidelines of international quality standards. These are easy to operate and are available at cost competitive price.



All Spares Available and compatible for OEM's like : - ALSTOM, BHEL, ACC, Thermax, HIMENVIRO, VTCORP, ETS-ELEX, ENVIROCARE, Lurgi etc

Spares for Electro Static Precipitator (ESP)

- ① All Kind of Collecting Electrodes/Plates
- ① All kind of Discharge Electrodes
- ① All Kind of Support Insulators
- ① Rapper Coils
- ① Shaft Insulators
- ① TR Controller
- ① Rapper Controller
- ① Slide gates
- ① Filters for Seal Air System
- ① Hopper Heaters
- ① Hopper Level Indicators



APC Solutions Major Client List



www.apcsolution.in

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Air Pollution Control

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