DUST COLLECTION EQUIPMENT

COMPACT FILTER MODULE MODLES

CFM155; CFM195; CFM270; CFM330; CFM470; CFM660

VENTILATION MODULE MODELS

VMV185; VMV280; VMV375; VMV470; VMV565; VMV660; VMV750; VML85; VML140; VML185; VML235; VML235; VML280; VML330; VML375

DUST COLLECTOR MODELS

DC16; DC25; DC36; DC49; DC64; DC91; DC100

BIN VENT MODELS

BV16; BV25; BV36; BV49; BV64; BV91; BV100

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Compact Filter Module

APPLICATION

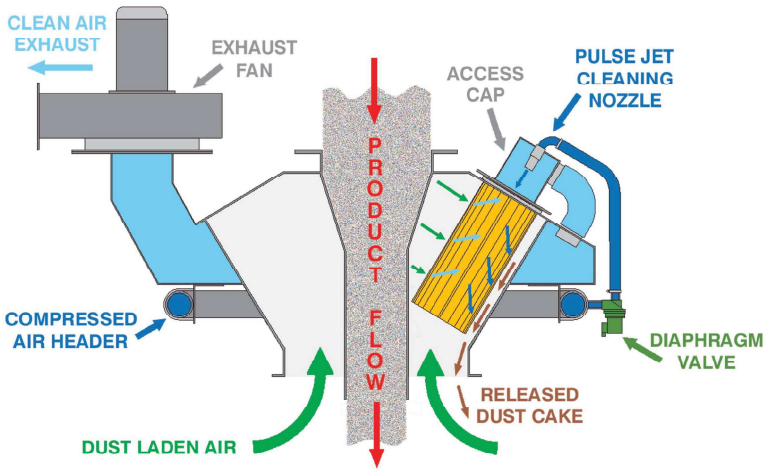
The CFM Compact Filter Module is ideal for use inline at any bulk material transfer point requiring dust control. It's low profile configuration also makes the CFM the best choice for inline filteration when intergrated with a DCL Loading Spout. The flow tube can be eliminated making this unit suitable as a bin vent for any tight headroom conditions.

When used as an inline filter, product flows through a central flow tube while isolated from the upward dust entrained airflow. The collected dust is deposited back to the material being handled making the CFM Compact Filter Module an ideal cost effective package especially when compared to a free standing dust collector utilizing duct work, discharge air lock, and often a means to convey the dust back to the system.

Filter replacement is performed without tools while accessable from the exterior of the unit.

FEATURES

The exhaust fan, up to 5000 CFM is directly mounted to the assembly eliminating the need for a remote fan placement. The unique design provides internal velocities that are lower than what is normally expected from conventional designs resulting in less load on the filtration media. The filter elements are automatically cleaned during operation with a conventional 80 PSI pulse jet system. The unit can be provided with a final clean feature that is activated at the end of each loading cycle fully cleaning all elements, eliminating residuals.



CAPACITIES

Compact Filter Modules are available in sizes from 155 to 660 square feet of filter media. Filter media is available to accommodate most applications. Pleated design, spun bonded media features a smooth surface finish with exceptional dust cake release. The filter surface is calandered and compacted to resist penetration by collected particulate. This results in better cleaning efficiency and faster return to operating airflow after the cleaning cycle than is possible with traditional media.

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VMV Ventilation Module

VMV VENTILATION MODULE

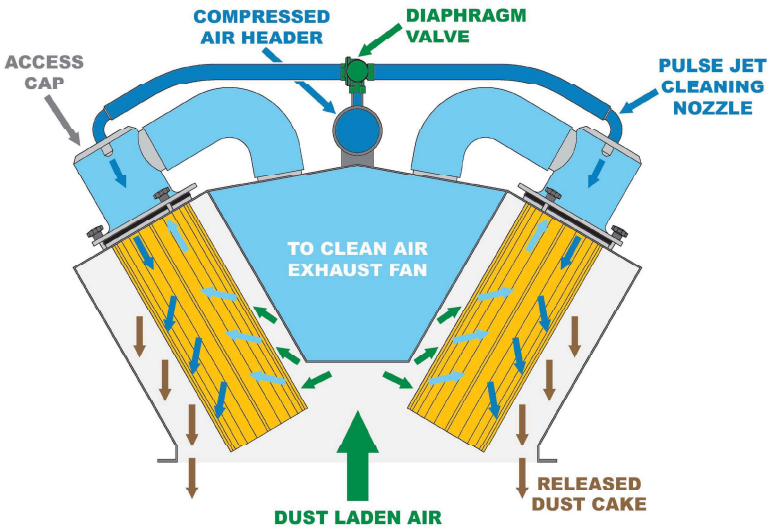
The VMV Ventilation Module is an excellent choice for dust control when used directly at the source. This includes conveyor head chutes, ventilation of enclosed conveyors, screeners, mixers, silos, and batching bins. The special designed pleated filter elements are sized to be easily handled and are replaced without tools.

The dust that is collected by the VMV is deposited back to the material being handled. The Ventilation Module is an ideal cost effective package especially when compared to a free standing dust collector utilizing duct work, discharge air lock, and often a means to convey the dust back to the system.

Filter replacement is performed without tools while accessable from the exterior of the unit.

FEATURES

The exhaust fan, up to 6000 CFM is directly mounted to the assembly eliminating the need for a remote fan placement. The unique design provides internal velocities that are lower than what is normally expected from conventional designs resulting in less load on the filtration media. The filter elements are automatically cleaned during operation with a conventional 80-100 PSI pulse jet system. The unit can be provided with a final clean feature that is activated at the end of each loading cycle fully cleaning all elements, eliminating residuals.



CAPACITIES

The VMV Ventilation Module is available in sizes from 185 to 750 square feet of filter media. Filter media is available to accommodate most applications. Pleated design, spun bonded media features a smooth surface finish with exceptional dust cake release. The filter surface is calandered and compacted to resist penetration by collected particulate. This results in better cleaning efficiency and faster return to operating airflow after the cleaning cycle than is possible with traditional media.

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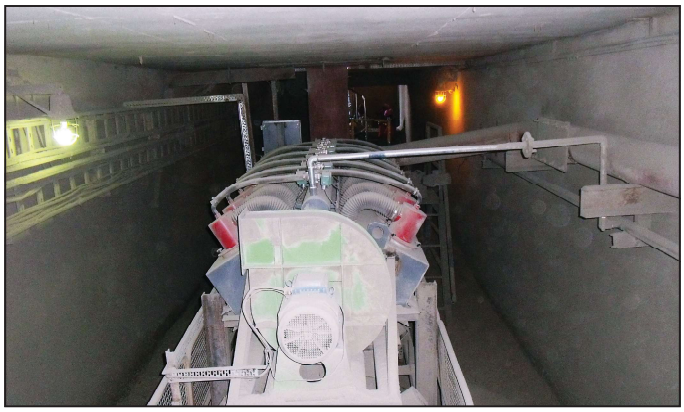
References - India

CLINKER TRUCK DUMPER STATION

BELT TRANSFER POINTS

SILO TOP

BELT TRANSFER POINTS



CLINKER TUNNEL TRANSFER POINTS

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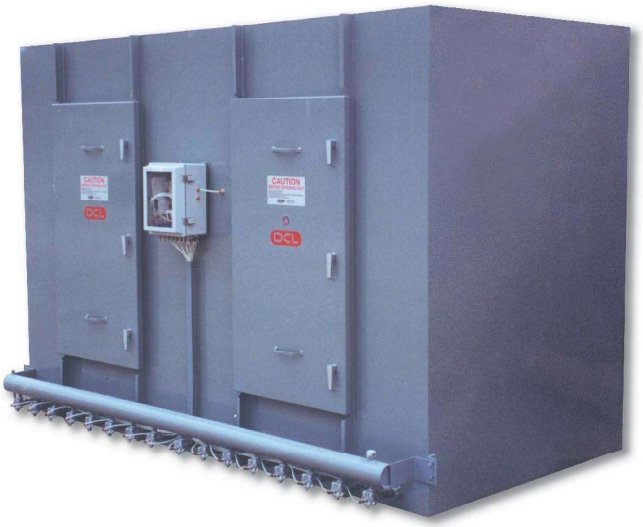
Dust Collector & Bin Vent

DC DUST COLLECTOR

Dust collectors are typically installed at a remote location with duct work feeding to it from multiple bulk material transfer points requiring dust control. Some of the dust collector options include; platforms, railing, ladders, multiple access ports and doors.

All dust collectors are offered in top and bottom filter removal designs as well as walk in clean air plenums. Exhaust fans can be mounted to the dust collector or next to it. A wide variety of filter media choices are available to suite most dry particle filtering requirements.



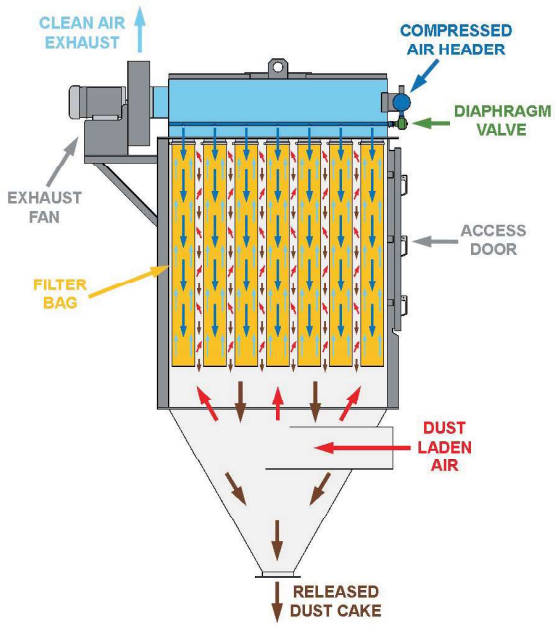
Bin vent with walk in clean air plenum.

Dust collector with access platform and safety hand rail.

BV BIN VENT

Bin vents are similiar in design to dust collectors, except they do not have a collection hopper mounted to the bottom of the unit. Bin vents are typically installed on top of storage silos. They are typically used to vent storage silos, but can also accept remote duct work. Some of the bin vent options include; platforms, railing, ladders, multiple access ports and doors.

All bin vents are offered in top and bottom filter removal designs as well as walk in clean air plenums. Exhaust fans can be mounted to the bin vent or next to it. A wide variety of filter media choices are available to suite most dry particle filtering requirements.



FEATURES

DCL offers a large selection of dust collectors and bin vents up to 3000 square feet of filter media. Exhaust fans can be sized up to 18000 CFM.

A choice of construction materials allow handling of all types of products; fine, granular, lumpy, abrasive, corrosive, and sanitary applications. A choice of electrical options are also available allowing for installation in almost any environment; NEMA 4, NEMA 4X, NEMA 7, NEMA 9, 120V/220V control, 460V/415V power, etc.

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