

Dust Collection System



(A) Fixed Chamber Dust Collector System



(B) Portable Dust Collector System

SPEEDO Dust Collection System uses the process of removing or collecting solid particles from the air flow to comply with stringent air pollution standard.

Large filter cartridge trap the airborne particles before they are released into the outside air.

The particulate-laden air stream passes through the filter media that filter out the particulate dust and allows air to pass through.

System Design Features:

The reverse pulse jet is designed to use a short burst of compressed air injected through a common manifold over a row of filter cartridges enclosed in the housing.

Polluted air enters the housing and travels through the filter cartridge. Filtered air is vented to the atmosphere. High pressure (4-6 kg/sq cm) air pulse dislodges the dust, which falls into the hopper for disposal.

Cleaning cycle is initiated from remote timer (Continuous Cycle) or pressure switch (on demand pulsing) Signal actuates diaphragm solenoid valves which permits momentary jet of high pressure air to each venturi and filter bag. Only one row of filter cartridges is cleaned at pre-selected intervals, while the system is in operation.

The fixed chamber dust collection system & Portable dust collector system will both consists of the filter housing structure, centrifugal fan with electrical motor.

**** Portable dust collector system may attached flexible ducting hose as an option.**

We provide one-stop solutions on design, manufacture and installation for various capacity of Dust Collector System upon request.

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