

# REVERSE JET DUST COLLECTOR

## DUST COLLECTION

The **Aerotech** Packaged Bag Collectors are complete, automatic continuous, high efficiency dust extraction and collection unit. The unit is contained in a single cabinet which has no moving parts for simple operation and long life. The design has been optimized to maximize the operational efficiency and effectiveness; ease of maintenance and minimize down time. The unit is constructed from Mild Steel with sealed joints. Finish with epoxy primer prior to enamel paint. Almost any type of dry product can be collected with air. Dry powder & Dust are commonly collected through the Dust Collection System.

Separation of material from air, at the end of conveying may be done through cyclones or bag collectors or both in series depending upon the process requirements.

## DESIGN

The design has been optimized to achieve the maximum operational efficiency and effectiveness; ease of maintenance with minimum down time. The concept of design has been kept simple to reduce the number of components resulting in reduced maintenance costs.

## FEATURES

- Compact Physical size
- Extended Aluminium compressed air manifold
- Solenoid valve and Electronic Timer
- Polyester felt tubular bag filters
- Standard finish in enamel paint

## CONSTRUCTION

The unit is constructed from mild steel sheets, angles and channels having welded and sealed joints with enhanced durability. Exterior is finished with enamel paint for maximum protection and to present pleasant environment.

## FILTERS

Filters elements are cleaned by compressed air mechanism. The pneumatic valve is controlled electrically and comes into operation automatically. Dust dislodged from filter is collected in a bin. Larger size bin is available as option. Filter material and area are selected to suit each application depending upon material to be handled and required efficiency of filtration. Material is generally selected from woven cotton and synthetic felt.

## ELECTRIC

All units are operated on 400 volts 3 Phase electrical supply and delivered with factory fitted fan. The standard control for fan is through direct on line starter. However star delta can be supplied as an option.

