

# MECHANICAL SHAKER

## MECHANICAL SHAKER PNEUMATIC CONVEYING

Almost any type of dry product can be conveyed with air. Dry powder, dust, grain, granules and chips are commonly moved through the pneumatic conveying 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.

## AEROTECH BAG COLLECTORS

The aerotech packaged bag collectors are complete, automatic dust extraction and collection unit. The unit is contained in a single cabinet complete with fan, filters, filter shaker, dust collection tray and starter.

## 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.

## 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 an automatic shaking mechanism. The shaker is controlled electrically and comes into operation automatically when the fan is stopped. 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 panel housing controls for fan and shaker. The standard control for fan is through direct on line starter. However star delta can be supplied as an option.

## BAG COLLECTOR'S FEATURES

- Compact Physical Size
- 9 Standard Sizes
- Anti-Static Filter Media
- Pre-Wired Electrical Panel
- High Efficiency Centrifugal Fan
- After sale, service
- Enamel Paint Finished

## OPTIONS

- Stainless Steel Construction
- Star Delta Starter
- Pneumatic



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## BAG COLLECTOR SELECTION

Model Number	Filter Area	No. Of Cells	Air Flow CFM			Dimension In Inches		
			Filtration Velocity			A	B	C
			5	7.5	10			
ATDC-50	50	1	250	375	500	22	26.2	78
ATDC-75	75	1	375	563	750	28	26.2	78
ATDC-100	100	1	500	750	1000	28	36.2	78
ATDC-150	150	1	750	1125	1500	31.2	38.2	86
ATDC-200	200	2	1000	1500	2000	48	38.2	86
ATDC-250	250	2	1250	1875	2500	56	38.2	86
ATDC-300	300	2	1500	2250	3000	60	38.2	86
ATDC-350	350	3	1750	2625	3500	72	38.2	86
ATDC-400	400	3	2000	3000	4000	82	36	86

