

AEROTECH

*We
Move the Air
to Serve*

**INDUSTRIAL
BAG COLLECTORS**



aerotech



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 Powder Coat Paint for maximum protection and to present pleasant environment.

Filters

Filter elements are cleaned by an automatic shaking mechanism. The shake is controlled electrically and comes into operation automatically when the fan is stopped. Dust dislodged from filter is collected in a bin having a capacity of 75 liter. 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 440 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 starter can be supplied as an option.



Bag Collector's Features

- Compact Physical size
- 9 Standard Sizes
- Automatic Filter Shaker
- Pre-wired Electrical Panel
- High Efficiency Centrifugal Fan
- After Sale, Service
- Powder Coat Paint Finish

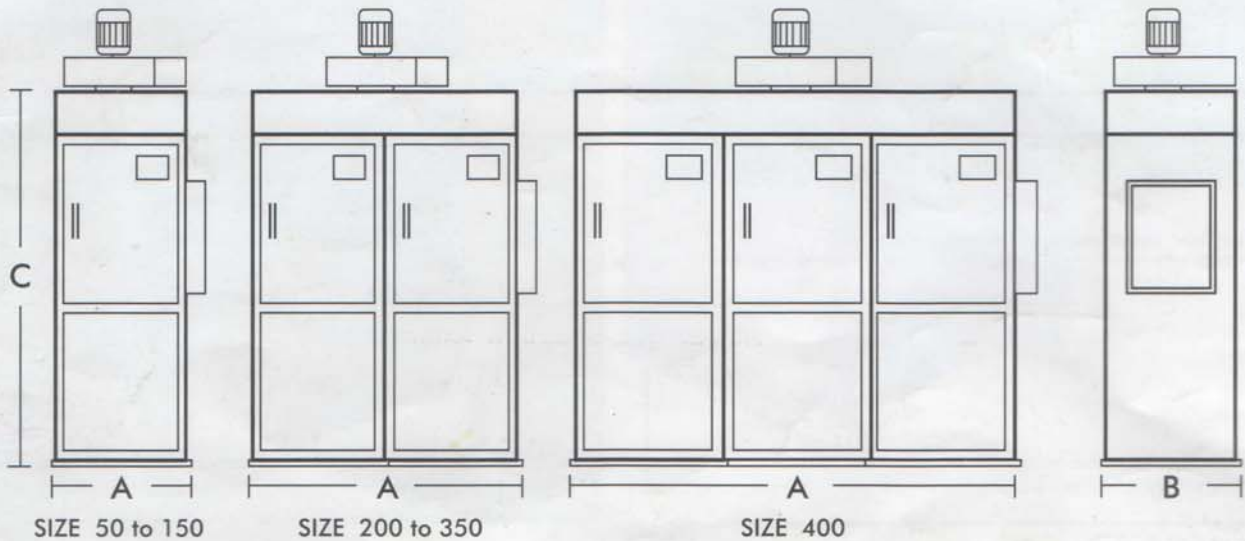
Options

- Fan Cover
- Stainless Steel Construction
- Different Filter Media
- Star Delta Starter
- Pneumatic Cleaner



Bag Collector Selection

Model	Filter Area	Air Flow CFM			Dimensions in MM		
		Filtration Velocity FPM			A	B	C
		5	10	15			
ATDC-050T	52	260	520	780	550	600	1800
ATDC-075T	80	400	800	1200	700	600	1800
ATDC-100T	112	560	1120	1680	800	750	1800
ATDC-150T	162	810	1620	2430	800	900	2100
ATDC-200T	216	1080	2160	3240	1050	900	2100
ATDC-250T	252	1260	2520	3780	1250	900	2100
ATDC-300T	303	1515	3030	4545	1450	900	2100
ATDC-350T	351	1755	3510	5265	1600	900	2100
ATDC-400T	409	2045	4090	6135	1850	900	2100



Fan Selection

Combination of Hi Pressure fan wheels achieve maximum efficiency and minimum operating cost.

Selection of fan must be based on total suction pressure required both for the system and dirty filters.

Pressure drop across filter may vary according to the type and quantity of material being conveyed, filter media, filtration velocity, and the frequency of shaking.

FAN SELECTION ON 2880 RPM

CFM	Ext. S.P. 5"		Ext. S.P. 6"		Ext. S.P. 8"		Ext. S.P. 10"	
	Size	Hp	Size	Hp	Size	Hp	Size	Hp
500	1440H	1.0	1535H	2.0	1725H	2.0	1825H	2.0
750	1460H	2.0	1550H	2.0	1735H	2.0	1835H	3.0
1000	1480H	2.0	1560H	2.0	1745H	3.0	1840H	3.0
1500	1580H	3.0	155H	3.0	1770H	5.0	1860H	5.0
2000	1575L	3.0	1660L	5.0	1785H	5.0	1880H	7.5
2500	155L	5.0	1675L	5.0	1860L	7.5	185H	7.5
3000	1690L	5.0	1690L	5.0	1875L	7.5	2045L	10.0
3500	16SL	7.5	1875L	7.5	1875L	7.5	2055L	10.0
4000	1875L	7.5	1875L	7.5	185L	10.0	2060L	15.0
4500	1875L	10.0	1885L	10.0	185L	10.0	2070L	15.0
5000	1885L	10.0	185L	10.0	2070L	15.0	2075L	15.0

FAN SELECTION ON 1450 RPM

CFM	Ext. S.P. 5"		Ext. S.P. 6"		Ext. S.P. 8"		Ext. S.P. 10"	
	Size	Hp	Size	Hp	Size	Hp	Size	Hp
2000	2745H	3.0	2940H	5.0	3325H	5.0	3625H	7.5
2500	2755H	5.0	2945H	5.0	3330H	7.5	3626H	7.5
3000	2766H	5.0	2970H	7.5	3336H	7.5	3631H	10.0
3500	2780H	7.5	2975H	7.5	3345H	10.0	3636H	15.0
4000	2790H	7.5	2975H	7.5	3350H	10.0	3641H	15.0
4500	27SH	7.5	2980H	7.5	3355H	15.0	3646H	15.0
5000	3045L	7.5	2990H	10.0	3360H	15.0	3651H	15.0

Some of The Projects having AEROTECH Products

- ▶ ICI , Sheikhpura
- ▶ Greys of Cambridge, Sialkot
- ▶ Pakistan Tobacco Company Ltd., Akora
- ▶ Pakistan Tobacco Company Ltd., Jehlum
- ▶ Lakson Tobacco Company, Mandra
- ▶ Carrier Telephone Industries, Islamabad
- ▶ Packages, Lahore
- ▶ Uni Lever Limited, Rahim Yar Khan
- ▶ British High Commission, Islamabad

For further Information, please Contact:

