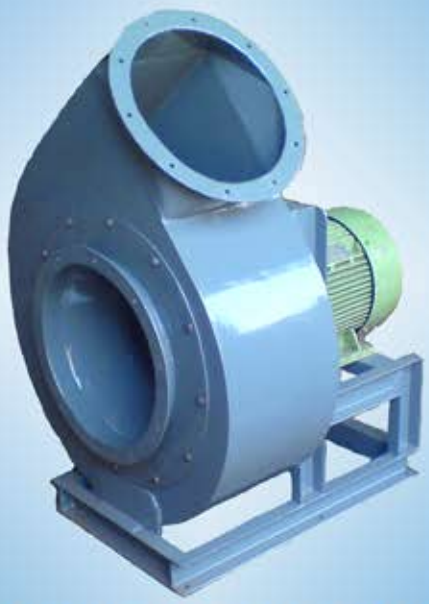
AIRTECH BLOWER INDUSTRIES

DUST COLLECTOR

TWIN LOBE BLOWER



CENTRIFUGAL BLOWER

AXIAL FLOW FAN

TURBINE BLOWER

Mfr of: Centrifugal blower, Twin lobe blower, Dust collectors, Axial flow fan Scrubbing system, Kitchen and Industrial exhaust system, Rotary airlock valves, cyclone seperator, Turbine blower, Air curtains, Ventilation system

ADDRESS: PLOT- D/16,ADDITIONAL AMBERNATH MIDC, ANADNAGAR, AMBERNATH (E), THANE, MAHARASHTRA 421 506. Mob: 7977802731

PP-FRP DIRECT DRIVEN VERTICAL OUTLET

MS BELT DRIVEN ANGULAR OUTLET

MS BELT DRIVEN VERTICAL OUTLET

PP-FRP BELT DRIVEN VERTICAL OUTLET

TITANIUM DIRECT DRIVEN VERTICAL OUTLET

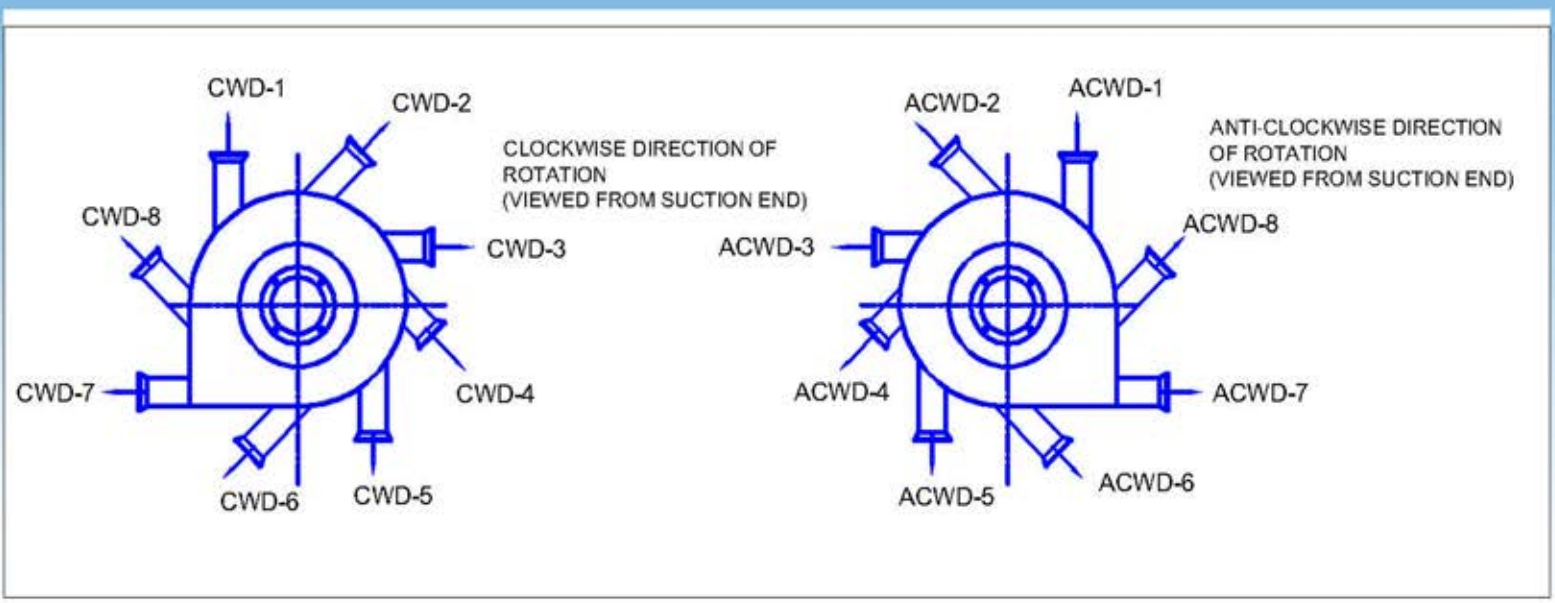
PP-FRP DIRECT DRIVEN ANGULAR OUTLET

CENTRIFUGAL BLOWERS

Centrifugal Blowers are also known as Centrifugal Fans.The kinetic energy produced by the impellers of the Centrifugal Blower Fan on rotation is used to increase the pressure of the air stream, which in turn moves them against the resistance caused, by ducts, dampers and other components

Centrifugal fans accelerate the airstream radially, changing the direction typically by 90o of the airflow. At a constant fan speed, centrifugal fans pump a constant volume of air. They are capable of operating over a wide range of conditions

SELECTION OF BLOWER ORIENTATION



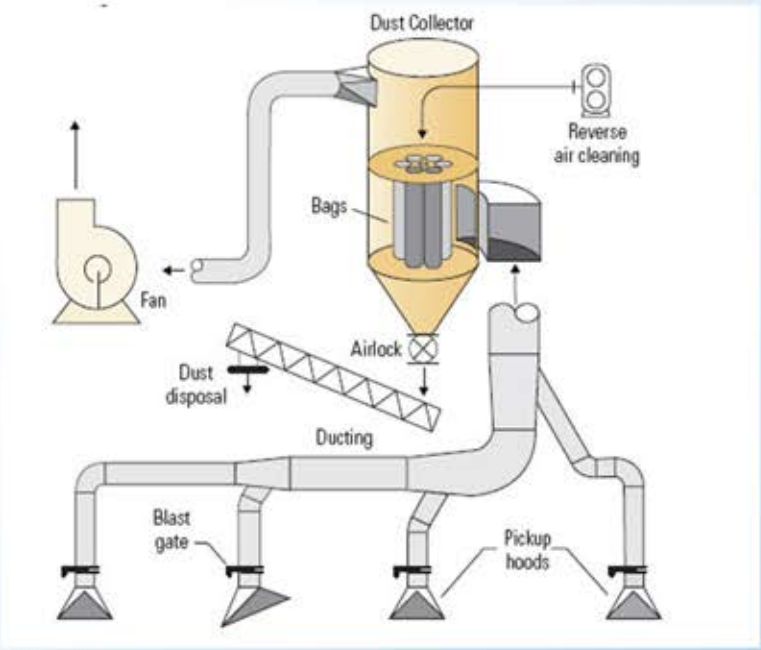
TECHNICAL DATA FOR CENTRIFUGAL BLOWERS

PRESSURE IN INCHES OF WG	1"	2"	3"	4"	6"	8"	10"	12"	16"	20"	24"	28"	32"	36"	42"	48"	56"
MOTOR H.P.	APPROXIMATE CAPACITIES IN CUBIC FEET PER MINUTE AT N.T.P																
0.25	750	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.5	1500	800	500	400	-	-	-	-	-	-	-	-	-	-	-	-	-
1	3000	1600	1000	800	675	300	250	225	150	-	-	-	-	-	-	-	-
2	6000	3200	2100	1600	1000	650	525	460	340	280	-	-	-	-	-	-	-
3	8000	4800	3140	3200	1500	1080	1000	765	530	420	320	-	-	-	-	-	-
5	11500	7350	5150	4800	3000	1800	1600	1350	900	720	600	500	-	-	-	-	-
7.5	14500	10250	7500	7350	4000	3000	2550	2000	1490	1080	900	850	720	-	-	-	-
10	20000	13400	9750	10250	5250	4000	3250	2900	2000	1575	1300	1175	1000	925	-	-	-
12.5	27500	17000	12500	13400	6750	5100	4300	3575	2475	1970	1640	1400	1230	1150	900	-	-
15	33000	20000	15250	17000	8250	6250	5500	4300	3100	2370	2025	1700	1550	1400	1080	-	-
20	45000	32000	19500	20000	11000	7500	6800	5500	4320	3350	2700	2400	2100	1850	1440	1150	1000
25	70000	40000	25000	32000	12500	8750	8500	7200	5400	4250	3375	3000	2550	2325	1800	1250	1250

VARIOUS TYPES OF CENTRIFUGAL BLOWER

1. BASED ON TYPE OF IMPELLER.
   - BACKWARD CURVED
   - RADIAL
   - FORWARD CURVED
2. BASED ON MATERIAL OF CONSTRUCTION.
   - MILD STEEL
   - STAINLESS STEEL
   - PP-FRP
   - FRP
   - RUBBER LINED
3. BASED ON DRIVE.
   - IMPELLER MOUNTED DIRECTLY ON MOTOR SHAFT
   - DIRECT THROUGH FLEXIBLE COUPLING
   - V-BELT DRIVEN
4. BASED ON TYPE OF APPLICATION.
   - INDUCED DRAUGHT (ID) FAN
   - FORCED DRAUGHT (FD) FAN
   - PAINT BOOTH FAN
   - BOOSTER FAN
   - DIDW (VENTILLATION) FAN

DUST COLLECTORS



A dust collector is a system used to enhance the quality of air released from industrial and commercial processes by collecting dust and other impurities from air or gas. Designed to handle high-volume dust loads, a dust collector system consists of a blower, dust filter, a filter-cleaning system, and a dust receptacle or dust removal system. It is distinguished from air purifiers, which use disposable filters to remove dust.

The bags are supported by metal cages and hang from a tube sheet at the top of the baghouse. Dust and air enter and dust collects on the outside surface of the bags, not the inside. The bags are cleaned by bursts or pulses of compressed air that travel down the length of the bag and dislodge the dust. Because the pulse of air travels very quickly down the bags, this type of baghouse can be cleaned without taking it offline. This allows them to operate more efficiently since dust is removed from the bags at more regular intervals. The downside to these types of collectors is the higher pressure and expense of compressed air, which adds to operating costs.

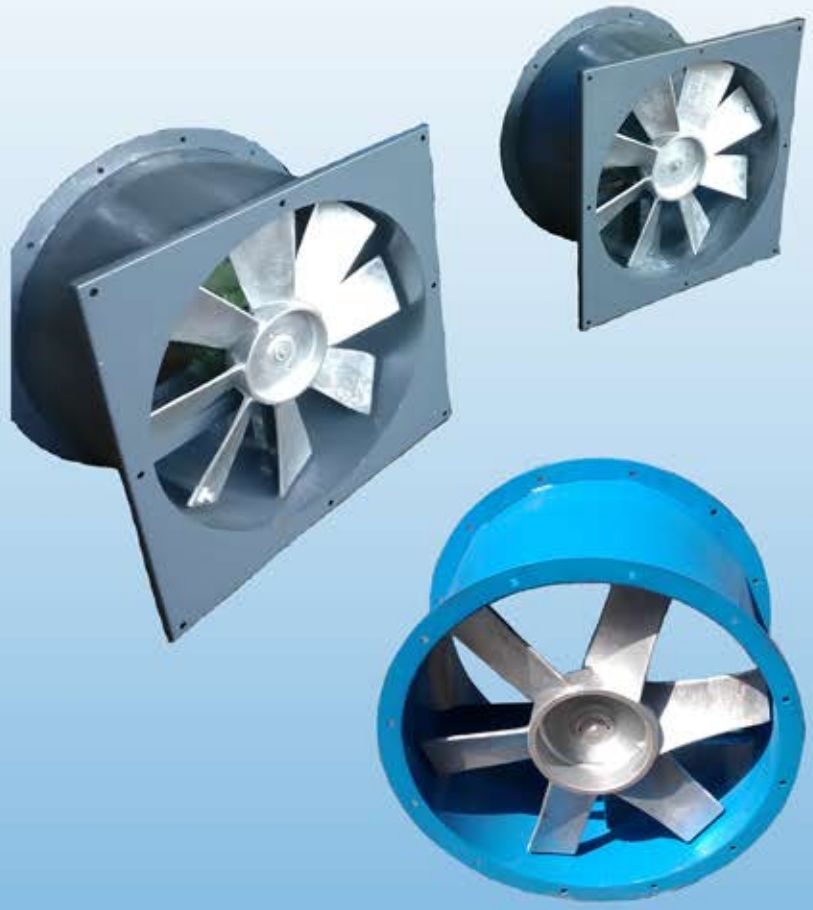
PORTABLE PHARMA DUST COLLECTOR

ROTARY AIRLOCK VALVES (RAV'S)

A Rotary Valve serves as a separator for high pressure area from low pressure; also it serves as a high leakage protection for the same. Rotary Air Lock Valves are priorly used in Pneumatic conveying, dust control and Flow Control applications; these have opti mal durability depending upon process requirements of air lock.

AXIAL FLOW FAN

Axial flow fans are suitable for common ventillation and exhaust of plants as well as special industrial installation. These fans have cast aluminium alloy impellers with aerofoil section for high efficiency. These are designed to optimise the relationship between air quantity, pressure and power consumption.



FAN SIZE	SPEED	MOTOR CAPACITY (HP)	PHASE	FREE AIR DELIVERY	CAPACITIES IN CFM AT STATIC PRESSURE IN WG			
IN INCHES (APPROX)	RPM	DIRECT DRIVE		IN CFM	5 MM	10 MM	15 MM	20 MM
12	1440	0.125	3	1000	900	800	300	-
	2880	0.5	3	1900	1500	1350	1200	1000
15	1440	0.1	3	2050	1950	1600	1450	950
18	1440	0.5	3	3060	2850	2600	2250	1950
	2880	1.5	3	5500	4500	3500	3000	2500
22	1440	1	3	4590	4275	3900	3375	2925
24	1440	1	3	6500	6410	5550	4680	3220
27.5	1440	2	3	10600	10500	10250	8200	7600
31.5	940	1	3	10500	9350	7600	5850	-
	1440	5	3	16000	15400	14600	13450	12300
36	940	3	3	19500	17500	15400	12000	10000
	1440	7.5	3	26000	24500	23100	21600	20000
39.5	940	3	3	21100	19300	18150	15800	13450
47.5	720	5	3	26600	25200	22800	17600	-
	940	7.5	3	35700	33900	32800	31000	29200

TURBINE BLOWER

Turbine blowers consists of dynamically balanced impeller which revolves in a stator cum compression chamber having very fine clearance between them.
No lubrication required because it is completely oil free
Practically nil maintenance cost
Extremely compact unit and can be mounted inside the equipment
Applications can be found in aeration in ETP, Agitation of Chemicals, Industrial vacuum cleaner, Furnace air supply, Pneumatic conveying, socks knitting machine, Fish-Farming & Hatchery

MODEL NO	CAPACITY	PRESSURE	VACUUM	MOTOR
	CMH (max)	mBar (max)	mBar (max)	HP (2800 RPM)
TBS-50	70	80	70	0.5
TBS-100	200	130	120	1
TBS-200	300	160	140	2
TBS-300	400	200	180	3
TBS-500	500	250	230	5
TBS-750	600	270	250	7.5
TBS-1000	800	350	300	10
TBS-1500	1000	400	350	15
TBS-2000	1500	450	400	20

MODEL NO	CAPACITY	PRESSURE	VACUUM	MOTOR
	CMH (max)	mBar (max)	mBar (max)	HP (2800 RPM)
TBD-50	50	130	120	0.5
TBD-100	100	220	200	1
TBD-200	150	280	260	2
TBD-300	200	320	300	3
TBD-500	250	400	350	5
TBD-750	300	450	400	7.5
TBD-1000	400	500	450	10
TBD-1500	500	550	500	15
TBD-2000	700	600	550	20