PRODUCTS CATALOGUE

Akash Blowers Private Limited

Twin-Lobe Roots Blowers
Tri-Lobe Roots Blowers
Gas Blowers
Water Cooled Blowers
Aqua Culture Blowers
Blowers Spares
Ring Blowers/Side Channel Blowers
Centrifugal Air Blowers
Multi-Disc Screw Press
Vacuum Boosters
Acoustic Enclosures

About Akash Blowers

With the expertise earned from 45+ years of experience, AKASH started manufacturing of Twin Lobe Rotary Air Blowers wayback in 2009. Since then the company has consistently strengthened its manufacturing bas producing as wide range of products line includes TWIN LOBE & TRI LOBE ROTARY Air Blowers / Compressors (Root Blowers), Mechanical Vacuum Boosters & Acoustic Hoods. We have also started dealing and manufacturing in Ring Blowers / Regenerative / Side Channel Blowers and Multi-Disc Screw Press. These wide-range products and the technical expertise gained over the year have enabled AKASH to serve various segments of industry such as Flue Gas Application in sponge Iron, Silo Aeration for Cement Plants, Bulker unloading, Pneumatic conveying Sulphonation in Suger plants, Water treatments plants, Effluent treatment plants, Aqua cultere farms, Chemical & pharmaceutical plants, Food processing units.

Vision

To Become the No. 1 company in the Industry which delivers quality products for its Customers, believes in Innovation to meet the changing needs of the Customers and Market and are able to keep their Employees and stakeholders Happy and Satisfied, thus ensuring their growth along with the Company.

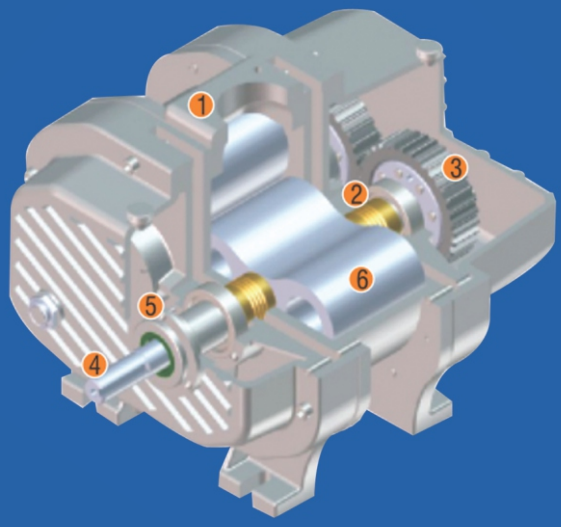
Mission

To Serve our Customers as their most trusted and reliable partner in the Blower Industry.

Values

- Passion to Win & Be-The-Best at whatever we do.
- Integrity knowing what is right and acting responsibly with our clients, colleagues and community.
- Innovation anticipating our clients needs.
- Dedication for unparalleled quality and proven success.
- Guidance serving our client with experienced guidance regarding their actual needs.

Quality Manufacture



1. Casing: All AKASH Blowers units are single biece construction and precision machined cast iron, with ribs for strength and consistent thermal behaviour.

2. Bearings: All AKASH blowers units are using SKF / FAG anti-friction bearing type vary with machine

3. Timing Gears: Forged steel gear with hardened and ground teeth to reduced vibrations and ensures accurate rotor to rotor timings for smooth and efficient operations

4. Shafts: Impeller Shafts are alloy steel forgings that allow higher operating pressure and rotation speeds

5. Seal: Low-wear non contracting, labyrinth-type seals ensure performance and long life

6. Rotors: Made from cast iron or S.G iron with stiff design or maximum life. By CNC and 3D machinery control to ensure the highest performances providing with trouble-free performance and durability

Direct Drive Blowers

Akash introduce 0.75 HP & 1 HP Direct Drive Twin-Lobe Roots Blowers.
These Blowers have been designed keeping the demands of the industry of compact & sturdy machine low noise, less space requirements, low vibrations, longer bearing life and low maintenance.

Complete blower package assembled with all accessories and coupled with electric motor, ready to install. These blowers are designed for continuous duty.

Direct drive blowers has increased efficiency, low noise and easy to maintain.

MODEL	IN./OUT.	MOTOR	SPEED	1000 MMWG	2000 MMWG	3000 MMWG
	(MM)	(HP)	(RPM)	M^3/HR	M^3/HR	M^3/HR
AB-305	19	0.75	940 1440	11 19	9 17	7 15

MODEL	IN./OUT.	SPEED	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
AB-315	25	940	30	0.31	25	0.45	21	0.61	18	0.77	15	0.91
	40	1440	52	0.47	47	0.71	43	0.93	40	1.17		

Aqua Culture Blowers

AKASH range of aqua culture blowers to meet the growing demand for aquaculture /horticulture for RAS Tanks / biofloc sstem / natural fish pond requirements which essentially demand 100% oil free Air. These blowers are totally dry machines where lubrication chambers are physically isolated from the main air chamber ensuring 100% oil free air delivery. The oil free air delivery ensure for proper maintenance of Biological Oxygen Demand (BOD) for aqua culture.

MODEL	CAPACITY	PRESSURE	REC. MOTOR	LINE SIZE
	(M^3/HR)	(MMWG)	(HP)	MM
AQUA-325	75	2000	1.5	40
AQUA-42	110	2000	2	40
AQUA-44	150	2000	3	65
AQUA-4130	190	2000	3	65
AQUA-47	300	2000	5	80
AQUA-59	550	2000	7.5	100
AQUA-5305	800	2000	10	100
AQUA-615	1050	2000	12.5	150
AQUA-717	2200	2000	25	200

Note: 1. The above ratings are based on inlet air temperature of 104^0 F, ambient pressure 1kg/cm2, specific gravity of 1.0."
2. Performance testing as per BS 1571, part-II
3. All specifications are subject to change without notice.

PERFORMANCE TABLE - TWIN LOBE

MODEL	IN/ OUT	SPEED	AIR COOLED														WATER COOLED					
			1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG		9000 MMWG		10000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
AB-305	19	800	8	0.18	6	0.2	5	0.2	3	0.3	2	0.3										
		1000	12	0.23	10	0.2	8	0.3	7	0.4	6	0.4										
		1200	15	0.27	13	0.3	12	0.4	10	0.5	9	0.5										
		1400	19	0.32	17	0.4	15	0.4	14	0.5												
		1600	22	0.36	20	0.4	18	0.5	17	0.6												
		1800	25	0.41	23	0.5	22	0.6	20	0.7												
		2000	29	0.46	27	0.5	25	0.7	24	0.8												
AB-315	25/ 40	800	23	0.2	19	0.3	15	0.5	12	0.6	9	0.7	6	0.9								
		1000	32	0.3	27	0.4	24	0.6	20	0.8	18	0.9	15	1.1								
		1200	41	0.3	36	0.5	32	0.7	29	0.9	26	1.1	24	1.3								
		1400	50	0.4	45	0.6	41	0.9	38	1.1	35	1.3	33	1.5								
		1600	59	0.5	54	0.7	50	1.0	47	1.3	44	1.5										
AB-325	40	800	38	0.3	30	0.5	24	0.7	18	0.9	14	1.2	9	1.4	5	1.6						
		1000	53	0.4	45	0.7	38	0.9	33	1.2	28	1.5	24	1.7	20	2.0						
		1200	67	0.5	59	0.8	53	1.1	48	1.4	43	1.8	39	2.1	35	2.4						
		1400	82	0.6	74	0.9	67	1.3	62	1.7	57	2.1	53	2.4	49	2.8						
		1600	97	0.6	88	1.1	82	1.5	77	1.9	72	2.4	68	2.8	64	3.2						
AB-42	40	800	57	0.5	47	0.8	39	1.1	33	1.4	27	1.7	22	2.0	17	2.3	13	2.6	9	2.9	5	3.2
		1000	77	0.7	67	1.1	60	1.4	53	1.8	48	2.2	42	2.5	38	2.9	33	3.3	29	3.7	25	4.0
		1200	98	0.8	88	1.3	80	1.7	74	2.2	68	2.6	63	3.1	58	3.5	53	4.0	49	4.4	45	4.8
		1400	118	1.0	108	1.5	100	2.0	94	2.5	88	3.1	83	3.6	78	4.1	74	4.6	70	5.1	66	5.7
		1600	138	1.1	128	1.7	121	2.3	114	2.9	109	3.5	103	4.1	99	4.7	94	5.3	90	5.9	86	6.5
AB-44	65	800	89	0.7	77	1.1	67	1.6	59	2.0	52	2.4	45	2.9	39	3.3	34	3.7	29	4.2	24	4.6
		1000	119	0.9	106	1.4	97	1.9	89	2.5	82	3.0	75	3.6	69	4.1	64	4.7	59	5.2	54	5.8
		1200	149	1.0	136	1.7	127	2.3	119	3.0	111	3.7	105	4.3	99	5.0	94	5.6	88	6.3	83	6.9
		1400	179	1.2	166	2.0	156	2.7	148	3.5	141	4.3	135	5.0	129	5.8	123	6.5	118	7.3	113	8.1
		1600	208	1.4	196	2.3	186	3.1	178	4.0	171	4.9	165	5.8	159	6.6	153	7.5	148	8.4	143	9.2
AB-4130	65	800	113	0.8	97	1.4	85	1.9	75	2.5	66	3.0	58	3.6	50	4.2	43	4.7	36	5.3	30	5.8
		1000	151	1.0	135	1.7	123	2.4	113	3.1	104	3.8	96	4.5	88	5.2	81	5.9	74	6.6	68	7.3
		1200	189	1.3	173	2.1	161	2.9	151	3.8	142	4.6	134	5.4	126	6.3	119	7.1	112	7.9	106	8.8
		1400	227	1.5	211	2.5	199	3.4	189	4.4	180	5.4	172	6.3	164	7.3	157	8.3	150	9.3	144	10.2
		1600	265	1.7	249	2.8	237	3.9	227	5.0	218	6.1	210	7.3	202	8.4	195	9.5	188	10.6	182	11.7
AB-47	80	800	167	1.3	144	2.1	126	2.9	110	3.7	97	4.5	85	5.3								
		1000	223	1.6	200	2.6	182	3.6	166	4.6	153	5.7	141	6.7								
		1200	279	1.9	255	3.1	237	4.4	222	5.6	209	6.8	197	8.0								
		1400	335	2.2	311	3.7	293	5.1	278	6.5	265	7.9	253	9.4								
		1600	391	2.5	367	4.2	349	5.8	334	7.5	321	9.1										
AB-55	80	800	176	1.6	153	2.4	135	3.3	121	4.1	108	5.0	96	5.8	85	6.6	75	7.5	66	8.3	57	9.2
		1000	233	2.0	210	3.1	193	4.1	178	5.2	165	6.2	154	7.3	143	8.3	133	9.4	123	10.4	114	11.5
		1200	291	2.4	268	3.7	251	4.9	236	6.2	223	7.5	211	8.7	200	10.0	190	11.3	181	12.5	172	13.8
		1400	348	2.8	326	4.3	308	5.8	294	7.2	281	8.7	269	10.2	258	11.7	248	13.1	239	14.6	230	16.1
		1600	406	3.2	383	4.9	366	6.6	351	8.3	338	10.0	326	11.7	316	13.3	306	15.0	296	16.7	287	18.4

PERFORMANCE TABLE - TWIN LOBE

MODEL	IN/ OUT	SPEED	AIR COOLED														WATER COOLED					
			1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG		9000 MMWG		10000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
AB-57	80	800	254	2.0	221	3.2	196	4.4	175	5.6	156	6.8	139	8.1	123	9.3	109	10.5	95	11.7	82	12.9
		1000	337	2.5	305	4.0	279	5.5	258	7.0	239	8.6	222	10.1	207	11.6	192	13.1	178	14.7	166	16.2
		1200	421	3.0	388	4.8	363	6.6	341	8.5	323	10.3	306	12.1	290	13.9						
		1400	504	3.5	471	5.6	446	7.8	425	9.9	406	12.0	389	14.1	373	16.3						
		1600	588	4.0	555	6.4	529	8.9	508	11.3	489	13.7	472	16.2								
AB-59	100	800	347	2.6	306	4.3	274	5.9	248	7.5	224	9.2	203	10.8								
		1000	459	3.3	418	5.3	386	7.4	359	9.4	336	11.5	314	13.5								
		1200	571	4.0	530	6.4	498	8.9	471	11.3	448	13.8	426	16.2								
		1400	683	4.6	642	7.5	610	10.4	583	13.2	559	16.1	538	18.9								
		1600	795	5.3	754	8.6	722	11.8	695	15.1	671	18.4										
AB-5305	100	800	435	3.1	381	5.1	339	7.2	304	9.3	274	11.3	246	13.4								
		1000	576	3.8	522	6.4	481	9.0	446	11.6	415	14.2	387	16.7								
		1200	718	4.6	664	7.7	622	10.8	587	13.9	556	17.0	528	20.1								
		1400	859	5.4	805	9.0	763	12.6	728	16.2	698	19.8										
		1600	1000	6.2	946	10.3	905	14.4	870	18.6	839	22.7										
Expo-2	100	800	176	1.6	153	2.4	135	3.3	121	4.1	108	5.0	96	5.8	85	6.6	75	7.5	66	8.3	57	9.2
		1000	233	2.0	210	3.1	193	4.1	178	5.2	165	6.2	154	7.3	143	8.3	133	9.4	123	10.4	114	11.5
		1200	291	2.4	268	3.7	251	4.9	236	6.2	223	7.5	211	8.7	200	10.0	190	11.3	181	12.5	172	13.8
		1400	348	2.8	326	4.3	308	5.8	294	7.2	281	8.7	269	10.2	258	11.7	248	13.1	239	14.6	230	16.1
		1600	406	3.2	383	4.9	366	6.6	351	8.3	338	10.0	326	11.7	316	13.3	306	15.0	296	16.7	287	18.4
AB-67	100	800	342	2.4	298	4.0	264	5.7	235	7.3	210	9.0	187	10.6	166	12.2	146	13.9	128	15.5	111	17.21
		1000	454	3.0	410	5.1	376	7.1	347	9.2	322	11.2	299	13.3	278	15.3	258	17.3	240	19.4	223	21.50
		1200	566	3.6	522	6.1	488	8.5	459	11.0	434	13.5	411	15.9	390	18.4	371	20.8	352	23.3	335	25.7
		1400	678	4.2	634	7.1	600	10.0	571	12.8	546	15.7	523	18.6	502	21.4	483	24.3	465	27.2	447	30.0
		1600	791	4.8	746	8.1	712	11.4	684	14.7	658	17.9	636	21.2	615	24.5	595	27.8	577	31.1	559	34.3
AB 610	125	800	449	2.9	391	5.1	346	7.2	309	9.4	276	11.5	245	13.7	218	15.8	192	18.0	168	20.1	145	22.3
		1000	597	3.6	538	6.3	494	9.0	456	11.7	423	14.4	393	17.1	365	19.8	340	22.5	316	25.2	293	27.9
		1200	744	4.4	686	7.6	641	10.9	604	14.1	570	17.3	540	20.5	513	23.8	487	27.0	463	30.2	440	33.5
		1400	892	5.1	833	8.9	789	12.7	751	16.4	718	20.2	688	24.0	660	27.7	635	31.5	610	35.3	588	39.1
		1600	1039	5.9	981	10.2	936	14.5	899	18.8	865	23.1	835	27.4	808	31.7	782	36.0	758	40.3	735	44.6
AB 615	150	800	688	4.1	606	7.3	543	10.5	490	13.8	443	17.0	401	20.2	362	23.5	326	26.7	292	29.9	260	33.2
		1000	909	5.1	827	9.1	764	13.2	711	17.2	664	21.3	622	25.3	583	29.4	547	33.4	513	37.4	481	41.5
		1200	1130	6.1	1048	11.0	985	15.8	932	20.7	886	25.5	844	30.4	805	35.2						
		1400	1352	7.2	1270	12.8	1207	18.5	1154	24.1	1107	29.8	1065	35.5								
		1600	1573	8.2	1491	14.7	1428	21.1	1375	27.6	1328	34.1	1286	40.5								
AB-76	100	800	463	3.0	428	5.0	401	7.0	378	9.0	357	11.0	339	13.0	322	15.0	306	17.0	292	19.1	278	21.1
		1000	601	3.8	565	6.3	538	8.8	515	11.3	495	13.8	476	16.3	459	18.8	444	21.3	429	23.8	415	26.3
		1200	738	4.5	702	7.5	675	10.5	652	13.6	632	16.6	614	19.6	597	22.6	581	25.6	566	28.6	552	31.6
		1400	875	5.3	840	8.8	812	12.3	789	15.8	769	19.3	751	22.8	734	26.4	718	29.9	704	33.4	690	36.9
		1600	1013	6.1	977	10.1	950	14.1	927	18.1	906	22.1	888	26.1	871	30.1	856	34.1	841	38.2	827	42.2

PERFORMANCE TABLE - TWIN LOBE

MODEL	IN/ OUT	SPEED	AIR COOLED														WATER COOLED					
			1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG		9000 MMWG		10000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
AB-78	125	800	612	3.7	562	6.3	524	9.0	492	11.7	464	14.4	438	17.0	415	19.7	393	22.4	372	25.1	353	27.7
		1000	795	4.6	746	7.9	707	11.3	675	14.6	647	18.0	621	21.3	598	24.7	576	28.0	555	31.3	536	34.7
		1200	978	5.5	929	9.5	890	13.5	858	17.6	830	21.6	804	25.6	781	29.6	759	33.6	738	37.6	719	41.6
		1400	1161	6.5	1112	11.1	1074	15.8	1041	20.5	1013	25.2	987	29.8	964	34.5	942	39.2	921	43.9	902	48.6
		1600	1344	7.4	1295	12.7	1257	18.1	1224	23.4	1196	28.8	1170	34.1	1147	39.5	1125	44.8	1105	50.2	1085	55.5
AB-710	150	800	765	4.1	703	7.4	655	10.8	615	14.1	580	17.5	548	20.8	519	24.2	491	27.5	465	30.8	441	34.2
		1000	994	5.1	932	9.3	884	13.5	844	17.7	809	21.9	777	26.0	747	30.2	720	34.4	694	38.6	670	42.8
		1200	1223	6.2	1161	11.2	1113	16.2	1073	21.2	1037	26.2	1006	31.3	976	36.3	949	41.3	923	46.3	899	51.3
		1400	1452	7.2	1390	13.1	1342	18.9	1302	24.8	1267	30.6	1234	36.5	1205	42.3	1178	48.2	1152	54.0	1128	59.9
		1600	1680	8.2	1618	14.9	1571	21.6	1531	28.3	1495	35.0	1463	41.7	1434	48.4	1406	55.0	1381	61.7	1356	68.4
AB-713	150	800	1012	5.2	930	9.6	867	14.0	814	18.4	767	22.9	725	27.3	686	31.7	650	36.1	616	40.6	583	45.0
		1000	1315	6.5	1233	12.0	1170	17.5	1117	23.1	1070	28.6	1028	34.1	989	39.7	952	45.2	918	50.7	886	56.2
		1200	1618	7.8	1536	14.4	1473	21.1	1419	27.7	1373	34.3	1330	41.0	1291	47.6						
		1400	1921	9.1	1838	16.8	1775	24.6	1722	32.3	1675	40.1	1633	47.8	1594	55.5						
		1600	2223	10.4	2141	19.2	2078	28.1	2025	36.9	1978	45.8	1936	54.6								
AB-717	200	800	1322	6.9	1215	12.7	1132	18.5	1063	24.3	**1002**	**30.0**	**946**	**35.8**								
		1000	1717	8.7	1610	15.9	1528	23.1	1458	30.3	**1397**	**37.5**	**1342**	**44.8**								
		1200	2112	10.4	2005	19.1	1923	27.7	1853	36.4	**1792**	**45.1**	**1737**	**53.7**								
		1400	2508	12.2	2400	22.3	2318	32.4	2249	42.5	**2188**	**52.6**	**2132**	**62.7**								
		1600	2903	13.9	2796	25.5	2713	37.0	2644	48.6	**2583**	**60.1**										
AB-812	150	800	1293	8.5	1221	13.9	1165	19.2	1118	24.6	1077	30.0	1040	35.3	1005	40.7	974	46.1	944	51.4	915	56.8
		1000	1661	10.7	1588	17.4	1533	24.1	1486	30.8	1444	37.5	1407	44.2	1373	50.9	1341	57.6	1311	64.3	1282	71.0
		1200	2028	12.8	1955	20.8	1900	28.9	1853	36.9	1811	45.0	1774	53.0	1740	61.1	1708	69.1	1678	77.2	1649	85.2
		1400	2395	14.9	2322	24.3	2267	33.7	2220	43.1	2179	52.5	2141	61.9	2107	71.3	2075	80.7	2045	90.0	2016	9.47
		1600	2762	17.1	2689	27.8	2634	38.5	2587	49.3	2546	60.0	2508	70.7	2474	81.5	2442	92.2	2412	102.9	2384	
AB-816	200	800	1710	10.2	1614	17.3	1541	24.4	1479	31.5	1424	38.6	1375	45.7	1330	52.8	1287	59.9	1248	67.0	1210	74.1
		1000	2196	12.8	2100	21.7	2026	30.6	1964	39.4	1910	48.3	1860	57.1	1815	66.0	1773	74.9	1733	83.7	1695	92.6
		1200	2681	15.4	2585	26.0	2512	36.7	2450	47.3	2395	57.9	2346	68.6	2300	79.2						
		1400	3167	18.0	3071	30.4	2997	42.8	2935	55.2	2881	67.6	**2831**	**80.0**								
		1600	3652	20.5	3556	34.7	3483	48.9	3421	63.1	3366	77.3										
AB-820	250	800	2127	12.0	2008	20.8	1916	29.6	1839	38.4	**1771**	**47.3**	**1710**	**56.1**	1654	64.9						
		1000	2731	15.0	2612	26.0	2520	37.0	2443	48.1	**2375**	**59.1**	**2314**	**70.1**	2257	81.1						
		1200	3335	18.0	3215	31.2	3124	44.5	3047	57.7	**2979**	**70.9**	**2917**	**84.1**								
		1400	3938	21.0	3819	36.4	3728	51.9	3651	67.3	**3583**	**82.7**	**3521**	**98.2**								
		1600	4542	24.0	4423	41.6	4331	59.3	4254	76.9	4186	94.6										
AB-1012	200	800	1981	12.2	1870	20.4	1785	28.6	1713	36.8	1650	45.0	1593	53.3	1540	61.5	1491	69.7	1445	77.9	1402	86.1
		1000	2544	15.2	2433	25.5	2348	35.8	2276	46.0	2212	56.3	2155	66.6	2103	76.9	2054	87.1	2008	97.4	1964	107.7
		1200	3106	18.3	2995	30.6	2910	42.9	2838	55.3	2775	67.6	2718	79.9	2665	92.2	2616	104.6	2570	116.9	2527	129.2
		1400	3669	21.3	3558	35.7	3472	50.1	3400	64.5	3337	78.9	3280	93.2	3227	107.6	3178	122.0	3132	136.4	3089	150.8
		1600	4231	24.4	4120	40.8	4035	57.3	3963	73.7	3900	90.1	3842	106.6	3790	123.0	3741	139.4	3695	155.9	3651	172.3
AB-1016	250	800	2684	15.1	2533	26.2	2418	37.3	2321	48.5	2235	59.6	2157	70.7	2086	81.9	2020	93.0	1958	104.1	1899	115.2
		1000	3445	18.9	3295	32.8	3180	46.7	3082	60.6	2997	74.5	2919	88.4	2848	102.3	2782	116.2	2719	130.2	2660	144.1
		1200	4207	22.6	4057	39.3	3941	56.0	3844	72.7	3758	89.4	3681	106.1	3610	122.8	3543	139.5	3481	156.2	3422	172.9
		1400	4969	26.4	4818	45.9	4703	65.4	4606	84.9	4520	104.3	4443	123.8	4371	143.3	4305	162.8	4243	182.2	4184	201.7
		1600	5730	30.2	5580	52.5	5465	74.7	5367	97.0	5282	119.2	5204	141.5	5133	163.8	5067	186.0	5004	208.3	4945	230.5

PERFORMANCE TABLE - TWIN LOBE

MODEL	IN/ OUT	SPEED	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG		9000 MMWG		10000 MMWG	
	(MM)	(RPM)	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP	M³/HR	BHP
AB-1020	300	800	3323	17.7	3137	31.5	2994	45.3	2873	59.1	2767	72.9	2671	86.6	**2583**	**100.4**	2501	114.2	2424	128.02	2351	141.7
		1000	4266	22.2	4080	39.4	3937	56.6	3816	73.9	3710	91.1	3614	108.3	**3526**	**125.5**	3444	142.7	3367	160.02	3294	177.2
		1200	5209	26.6	5023	47.3	4880	68.0	4759	88.6	4653	109.3	4559	130.0	**4469**	**150.6**						
		1400	6152	31.1	5966	55.2	5823	79.3	5702	103.4	5596	127.5	**5500**	**151.6**								
		1600	7095	35.5	6909	63.1	6766	90.6	6645	118.2	**6539**	**145.7**										
AB-1024	350	800	3963	20.4	3741	36.8	3570	53.3	3427	69.7	**3300**	**86.1**	**3186**	**102.6**								
		1000	5088	25.5	4866	46.0	4695	66.6	4551	87.1	**4425**	**107.7**	**4311**	**128.2**								
		1200	6212	30.6	5990	55.3	5820	79.9	5676	104.6	**5550**	**129.2**	**5435**	**153.9**								
		1400	7337	35.7	7115	64.5	6945	93.2	6801	122.0	**6674**	**150.8**	**6560**	**179.5**								
		1600	8462	40.8	8240	73.7	8069	106.6	7926	139.4	**7799**	**172.3**										

Note : 1. The above ratings are based on inlet air standard pressure 14.7 psia. Standard temperature of 70 Deg. F and specific gravity of 1.0.
2. We are capable to manufacture, design, testing for blower delivered FAD capacity upto 10,000 Nm^3 / hr. & max pressure upto 1kg in Single Stage (Applicable for both twin and tri air/gas applications)
3. Performance testing as per BS 1571, part-II
4. All specifications are subject to change without notice due to continuously improvement in design.
5. RPM at 1600
   - May increase noice by 3db and lubrication to be done in every 500 hours instead of 1000 hours.
   - For FAD, next higher standard line size recommanded
6. Red Marked - Red value indicates suitable for Intermittent Duty Applications only & not fit for continuous 24/7 running.
7. Blowers at 7000 MMWG will be in HD models and cost extra.
8. Bold Marked - blowers will be in HD models and cost extra.
9. Expo-2 Model works at air cooled and intermittent duty application only.

Gas Blowers

AKASH Gas Blowers based on Positive Displacement Rotary Air Blower principle have been specially developed for pumping of gas. These are generally used in gas lines to boost the biogas pressure to meet the burner input demand. Special blowers, capable of handling different gases, are also available at AKASH. Material of construction and constructional details vary to meet different gas requirements. For inflammable and toxic gases, leak tightness is ensured. Basic designs are modified, depending upon the nature of gas to be handled and customer's requirements. These are vertical/horizontal flow type in construction so as to prevent any accumulation of corrosive matter inside the casing. Since they operate in closed loop, suction and discharge silencers are generally not required. Special material of construction, lubrication and sealing arrangements make them ideal choice for Biogas boosting applications. Provision for a vacuum switch is provided at the inlet of the blower, so that incase the biogas generation falls below the pumping speed of the blower, the blower trips and this prevents vacuum overloading. Similarly provision for a pressure switch is provided on the discharge line to safeguard the blower against excessive discharge pressures. Water jet injection cooling can also be provided to keep the gas temperatures low.

Features

- 100% oil free air/gas delivery
- Alloy steel hardened and ground timing gears, oil splash lubricated
- Factory engineered, Factory guaranteed, superior product
- Improved volumetric efficiency and reduced operating temperatures
- Anti-friction bearings
- Rotary Oil Sealing
- Easy rotor timing setting
- No vanes, valves or rings to wear

PERFORMANCE TABLE - TRI LOBE

MODEL	IN/ OUT	SPEED	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
ATL-751	40	1000	53	0.4	45	0.7	38	0.9	33	1.2	28	1.5	24	1.7	20	2.0	16	2.3
		1200	67	0.5	59	0.8	53	1.1	48	1.4	43	1.8	39	2.1	35	2.4	31	2.7
		1400	82	0.6	74	0.9	67	1.3	62	1.7	57	2.1	53	2.4	49	2.8	46	3.2
		1600	97	0.6	88	1.1	82	1.5	77	1.9	72	2.4	68	2.8	64	3.2	60	3.6
		1800	111	0.7	103	1.2	97	1.7	91	2.2	87	2.6	82	3.1	78	3.6	75	4.1
		2000	126	0.8	118	1.4	111	1.9	106	2.4	101	2.9	97	3.5	93	4.0	89	4.5
		2200	**140**	**0.9**	**132**	**1.5**	**126**	**2.1**	**120**	**2.7**	**116**	**3.2**	**111**	**3.8**	**107**	**4.4**	**104**	**5.0**
ATL-1005	65	1000	151	1.0	135	1.7	123	2.4	113	3.1	104	3.8	96	4.5	88	5.2	81	5.9
		1200	189	1.3	173	2.1	161	2.9	151	3.8	142	4.6	134	5.4	126	6.3	119	7.1
		1400	227	1.5	211	2.5	199	3.4	189	4.4	180	5.4	172	6.3	164	7.3	157	8.3
		1600	265	1.7	249	2.8	237	3.9	227	5.0	218	6.1	210	7.3	202	8.4	195	9.5
		1800	303	1.9	287	3.2	275	4.4	265	5.7	256	6.9	247	8.2	240	9.4	233	10.7
		2000	**341**	**2.1**	**325**	**3.5**	**313**	**4.9**	**303**	**6.3**	**294**	**7.7**	**285**	**9.1**	**278**	**10.5**	**271**	**11.90**
		2200	379	2.4	365	3.9	351	5.4	341	6.9	332	8.5	325	10.0	316	11.5	630	913
ATL-1255	80	1000	233	2.0	210	3.1	193	4.1	178	5.2	165	6.2	154	7.3	143	8.3	133	9.4
		1200	291	2.4	268	3.7	251	4.9	236	6.2	223	7.5	211	8.7	200	10.0	190	11.3
		1400	348	2.8	326	4.3	308	5.8	294	7.2	281	8.7	269	10.2	258	11.7	248	13.1
		1600	406	3.2	383	4.9	366	6.6	351	8.3	338	10.0	326	11.7	316	13.3	306	15.0
		1800	464	3.6	441	5.5	423	7.4	409	9.3	396	11.2	384	13.1	373	15.0	363	16.9
		2000	521	4.1	499	6.2	481	8.3	466	10.4	453	12.5	442	14.6	431	16.7	421	18.8
		2200	**579**	**4.5**	**556**	**6.8**	**539**	**9.1**	**514**	**11.4**	**511**	**13.7**	**449**	**16.0**	**489**	**18.4**	**479**	**20.7**
ATL-1259	100	1000	459	3.3	418	5.3	386	7.4	359	9.4	336	11.5	314	13.5	295	15.6	277	17.6
		1200	571	4.0	530	6.4	498	8.9	471	11.3	448	13.8	426	16.2	407	18.7	388	21.1
		1400	683	4.6	642	7.5	610	10.4	583	13.2	559	16.1	538	18.9	519	21.8	500	24.7
		1600	795	5.3	754	8.6	722	11.8	695	15.1	671	18.4	650	21.6	630	24.9	612	28.2
		1800	907	6.0	865	9.7	834	13.3	807	17.0	783	20.7	762	24.4	742	28.0	724	31.7
		2000	**1019**	**6.6**	**977**	**10.7**	**945**	**14.8**	**919**	**18.9**	**895**	**23.0**	**874**	**27.1**	**854**	**31.2**	**836**	**35.2**
ATL-12512	100	1000	576	3.8	522	6.4	481	9.05	446	11.6	415	14.2	387	16.7	361	19.3	338	21.9
		1200	718	4.6	664	7.7	622	10.8	587	13.9	556	17.0	528	20.1	503	23.2	479	26.3
		1400	859	5.4	805	9.0	763	12.6	728	16.2	698	19.8	670	23.5	644	27.1	620	30.7
	125	1600	1000	6.2	946	10.3	905	14.4	870	18.6	839	22.7	811	26.8	785	31.0	762	35.1
		1800	1142	6.9	1088	11.6	1046	16.2	1011	20.9	980	25.5	952	30.2	927	34.8	903	39.5
		2000	**1283**	**7.7**	**1229**	**12.9**	**1187**	**18.0**	**1152**	**23.2**	**1122**	**28.4**	**1094**	**33.5**	**1068**	**38.7**	**1044**	**43.9**
ATL-15015	150	1000	909	5.1	827	9.1	764	13.2	711	17.2	664	21.3	622	25.3	583	29.4	547	33.4
		1200	1130	6.1	1048	11.0	985	15.8	932	20.7	886	25.5	844	30.4	805	35.2	769	40.1
		1400	1352	7.2	1270	12.8	1207	18.5	1154	24.1	1107	29.8	1065	35.5	1026	41.1	990	46.8
		1600	1573	8.2	1491	14.7	1428	21.1	1375	27.6	1328	34.1	1286	40.5	1247	47.0	1211	53.5
		1800	1794	9.2	1712	16.5	1650	23.8	1597	31.0	1550	38.3	1508	45.6	1469	52.9	1433	60.2
		2000	**2016**	**10.2**	**1934**	**18.3**	**1871**	**26.4**	**1818**	**34.5**	**1771**	**42.6**	**1729**	**50.7**	**1690**	**58.8**	**1654**	**66.8**
ATL-17513	150	1000	1315	6.5	1233	12.0	1170	17.5	1117	23.1	1070	28.6	1028	34.1	989	39.7	952	45.2
		1200	1618	7.8	1536	14.4	1473	21.1	1419	27.7	1373	34.3	1330	41.0	1291	47.6	1255	54.2
		1400	1921	9.1	1838	16.8	1775	24.6	1722	32.3	1675	40.1	1633	47.8	1594	55.5	1558	63.3
		1600	2223	10.4	2141	19.2	2078	28.1	2025	36.9	1978	45.8	1936	54.6	1897	63.5	1861	72.3
		1800	**2526**	**11.7**	**2444**	**21.7**	**2381**	**31.6**	**2328**	**41.6**	**2281**	**51.5**	**2238**	**61.5**	**2199**	**71.4**	**2163**	**81.4**
		2000	2829	13.0	2747	24.1	2683	35.1	2630	46.2	2583	57.2	2541	68.3	2502	79.4	2466	90.4

PERFORMANCE TABLE - TRI LOBE

MODEL	IN/ OUT	SPEED	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG	
	(MM)	(RPM)	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP	M^3/HR	BHP
ATL-20016	250	1000	2196	12.8	2100	21.7	2026	30.6	1964	39.4	1910	48.3	1860	57.1	1815	66.0	1773	74.9
		1200	2681	15.4	2585	26.0	2512	36.7	2450	47.3	2395	57.9	2346	68.6	2300	79.2	2258	89.9
		1400	3167	18.0	3071	30.4	2997	42.8	2935	55.2	2881	67.6	2831	80.0	2786	92.4	2744	104.9
		1600	3652	20.5	3556	34.7	3483	48.9	3421	63.1	3366	77.3	3317	91.5	3271	105.7	3229	119.8
		1800	4137	23.1	4042	39.1	3968	55.0	3906	71.0	3851	86.9	3802	102.9	3757	118.9	3714	134.8
		2000	4623	25.7	4527	43.4	4453	61.1	4391	78.9	4337	96.6	4287	114.3	4242	132.1	4200	149.8
ATL-25016	300	1000	3445	18.9	3295	32.8	3180	46.7	3082	60.6	2997	74.5	2919	88.4	2848	102.3	2782	116.2
		1200	4207	22.6	4057	39.3	3941	56.0	3844	72.7	3758	89.4	3681	106.1	3610	122.8	3543	139.5
		1400	4969	26.4	4818	45.9	4703	65.4	4606	84.9	4520	104.3	4443	123.8	4371	143.3	4305	162.8
		1600	5730	30.2	5580	52.5	5465	74.7	5367	97.0	5282	119.2	5204	141.5	5133	163.8	5067	186.0
		1800	6492	34.0	6342	59.8	6226	84.1	6129	109.1	6043	134.2	5966	159.2	5895	184.2	5828	209.3
		2000	7254	37.8	7103	65.6	6988	93.4	6891	121.2	6805	149.1	6728	176.9	6656	204.7	6590	232.5

Note :
1. The above ratings are based on inlet air standard pressure 14.7 psia. Standard temperature of 70 deg. F and specific gravity of 1.0.
2. We are capable to manufacture, design, testing for blower delivered FAD capacity up to 10,000 Nm^3 / hr. & max pressure up to 1kg in Single Stage (Applicable for both twin and tri air/gas applications)
3. Performance testing as per BS 1571, part-II
4. All specifications are subject to change without notice due to continuously improvement in design.
5. Bold Marked - For FAD, next higher standard line size recommanded
6. Red Marked - Red value indicates suitable for Intermittent Duty Applications only & not fit for continuous 24/7 running.

Scope of Supply (Twin & Tri Lobe Roots Air Blowers)

AKASH Blowers are available as package units, ready to install or as bare blower units for replacement.

A) Bare Blower:
1. Blower
2. Suction & Discharge Inter Connection Pipeline/Companion Flanges
3. Blower Pulley
4. First Oil/Grease Fill

B) Blower With Standard Accessories (Pressure Duty) Including Water Cooled Blowers:
1. Blower
2. Common Motor & Blower Base Frame with Motor Rails
3. Belt Guard /Coupling Guard
4. Suction Air Filter
5. Suction Silencer
6. Pressure Gauge
7. Safety Relief Valve (Spring Loaded Type)
8. Pulleys & Vee Belts / Coupling
9. ICP with Companion Flange
10. O&M Manual
11. First Oil/Grease Filled

C) Additional Accessories (Available As Per Requirements):
1. NRV
2. Discharge Silencer
3. Anti Vibration Pad
4. Electric Motor
5. SS Bellows
6. Acoustic Hood
7. Foundation Bolts

D) Blower with Standard Accessories (Vacuum Duty):
1. Blower
2. Common Motor, Blower Base Frame with Motor Rails
3. Belt Guard /Coupling Guard
4. Discharge Silencer
5. Vacuum Gauge
6. Vacuum Relief Valve (Spring Loaded Type)
7. Pulleys & Belts / Coupling
8. ICP with Companion Flange
9. O&M Manual
10. First Oil/Grease Filled

E) Blower with Standard Accessories (Gas Duty):
1. Blower
2. Common Motor, Blower Base Frame with Motor Rails
3. First Oil/Grease Filled

Note: Above mentioned accessories are standard, may vary as per client job requirement and as per application.
1. In case of Tri-lobe, Discharge Silencer shall be a Standard Accessory.

AMC & Spares

AKASH original spare parts are carefully selected with the correct specification required for the optimum operation of your machines. While you may save a few rupees in using similar locally bought spare parts, you might be risking the life span of your machines. The small difference in cost can ultimately save you a lot more in the future.

1. AMC of blowers is available with and without consumables.
2. Genuine and originals spares always recommended for 100% efficiency of Blowers.
3. Onsite and in-house service some of other make blowers is also available.

Spare Parts

Rotor Set

Gear Set

Bearing Set
& Oil Set

Accessories

Pressure Gauge

Pressure Relief Valve

NRV

Air Filter

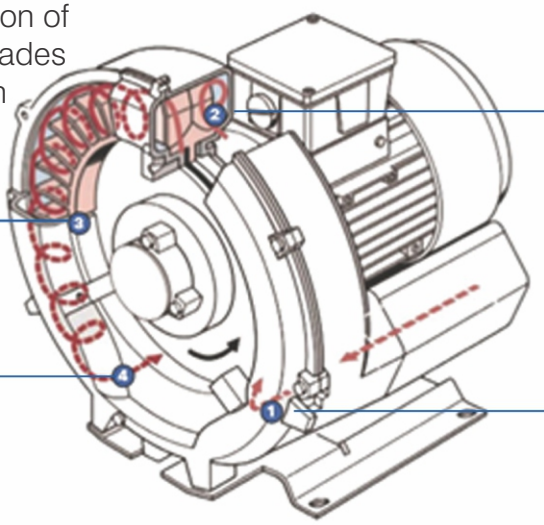
Ring Blowers

Ring Turbine / Regenerative / Side Channel Blowers

Working Principle

Ring Blowers, also known as Side Channel / Regenerative Blowers, are directly driven by electric motors. The impeller in the blowers are mounted directly on the motor shaft for contact free compression, without friction. Maximum operational reliability and service life, even at high differential pressures, is ensured by the arrangement of the bearings outside the compression chamber.

Imparts velocity to the inlet air in the direction of rotation. Centrifugal force in the impeller blades accelerates the air outward and resulting in pressure increases



High pressure air is discharge from the outlet of the blower

Applications

- Sewage Treatment Plants
- Electroplating Plants
- Water Treatment Plants
- Aeration
- Air Knife System
- Vacuum Conveying
- Vacuum De-Solders
- Vacuum Lifting & Feeding
- And Many More.

Ring Blower Features :

- 100% oil free air
- Low noise level due to internal silencer
- Less vibration
- External bearing increase life
- Suitable for Pressure & Vacuum application
- Fully Copper Winding
- Pulsation free air
- Low power consumption
- Easy installation
- Direct drive motor design
- Low maintenance
- compact in design (Space saving)

PERFORMANCE TABLE

SINGLE STAGE RING BLOWER							
MODEL	POWER	DISPLACEMENT (Maximum)	VACUUM (Maximum)	PRESSURE (Maximum)	PRESSURE PSI	SOUND	WEIGHT
ARB-SS-25	0.25 HP	80 M^3/hr/47 CFM	120 mbar	120 mbar	1.74 PSI	53 DB	9 KG
ARB-SS-80	0.5 HP	80 M^3/hr/47 CFM	130 mbar	140 mbar	2.03 PSI	62 DB	12 KG
ARB-SS-145	1 HP	145 M^3/hr/85 CFM	150 mbar	160 mbar	2.32 PSI	63 DB	14 KG
ARB-SS-210L	1.5 HP	210 M^3/hr/123 CFM	170 mbar	170 mbar	2.46 PSI	64 DB	22 KG
ARB-SS-210	2 HP	210 M^3/hr/123 CFM	190 mbar	200 mbar	2.9 PSI	70 DB	23 KG
ARB-SS-270	3 HP	270 M^3/hr/123 CFM	230 mbar	250 mbar	3.91 PSI	67 DB	27 KG
ARB-SS-320V	4 HP	320 M^3/hr/188 CFM	270 mbar	290 mbar	4.2 PSI	69 DB	37 KG
ARB-SS-400	5 HP	400 M^3/hr/235 CFM	290 mbar	330 mbar	4.78 PSI	77 DB	40 KG
ARB-SS-530	7.5 HP	530 M^3/hr/312 CFM	300 mbar	320 mbar	4.64 PSI	80 DB	62 KG
ARB-SS-530P	10 HP	530 M^3/hr/312 CFM	320 mbar	380 mbar	5.51 PSI	82 DB	68 KG
ARB-SS-1050	11 HP	1050 M^3/hr/618 CFM	210 mbar	210 mbar	3.04 PSI	77 DB	93 KG
ARB-SS-1050P	16.5 HP	1050 M^3/hr/618 CFM	280 mbar	270 mbar	3.91 PSI	80 DB	116 KG
ARB-SS-1050HP	24.5 HP	1050 M^3/hr/618 CFM	340 mbar	460 mbar	6.67 PSI	82 DB	126 KG

DOUBLE STAGE RING BLOWERS							
MODEL	POWER	DISPLACEMENT (Maximum)	VACUUM (Maximum)	PRESSURE (Maximum)	PRESSURE PSI	SOUND	WEIGHT
ARB-DS-88	1 HP	88 M^3/hr/52 CFM	210 mbar	240 mbar	3.48 PSI	55 DB	14 KG
ARB-DS-110	1.5 HP	110 M^3/hr 65 CFM	280 mbar	290 mbar	4.11 PSI	58 DB	20 KG
ARB-DS-150	2 HP	150 M^3/hr/88 CFM	280 mbar	280 mbar	4.06 PSI	66 DB	24 KG
ARB-DS-150V	3 HP	150 M^3/hr/89 CFM	330 mbar	440 mbar	6.38 PSI	66 DB	27 KG
ARB-DS-230V	3 HP	230 M^3/hr/135 CFM	290 mbar	360 mbar	5.22 PSI	72 DB	35 KG
ARB-DS-230	4 HP	230 M^3/hr/135 CFM	340 mbar	410 mbar	5.94 PSI	72 DB	39 KG
ARB-DS-230P	5 HP	230 M^3/hr/135 CFM	390 mbar	490 mbar	7.1 PSI	72 DB	45 KG
ARB-DS-320V	7.5 HP	320 M^3/hr/188 CFM	440 mbar	500 mbar	7.25 PSI	73 DB	70 KG
ARB-DS-320P	10 HP	320 M^3/hr/188 CFM	440 mbar	570 mbar	8.26 PSI	73 DB	77 KG
ARB-DS-520	15 HP	520 M^3/hr/317 CFM	430 mbar	660 mbar	9.57 PSI	74 DB	123 KG
ARB-DS-1110P	27 HP	1110 M^3/hr/653 CFM	440 mbar	500 mbar	7.25 PSI	74 DB	204 KG
ARB-DS-1110HP	33 HP	1110 M^3/hr/653 CFM	440 mbar	590 mbar	8.55 PSI	74 DB	211 KG
ARB-DS-2050	27 HP	2050 M^3/hr/1206 CFM	250 mbar	230 mbar	3.33 PSI	75 DB	230 KG
ARB-DS-2050P	33 HP	2050 M^3/hr/1206 CFM	310 mbar	280 mbar	4.06 PSI	75 DB	235 KG

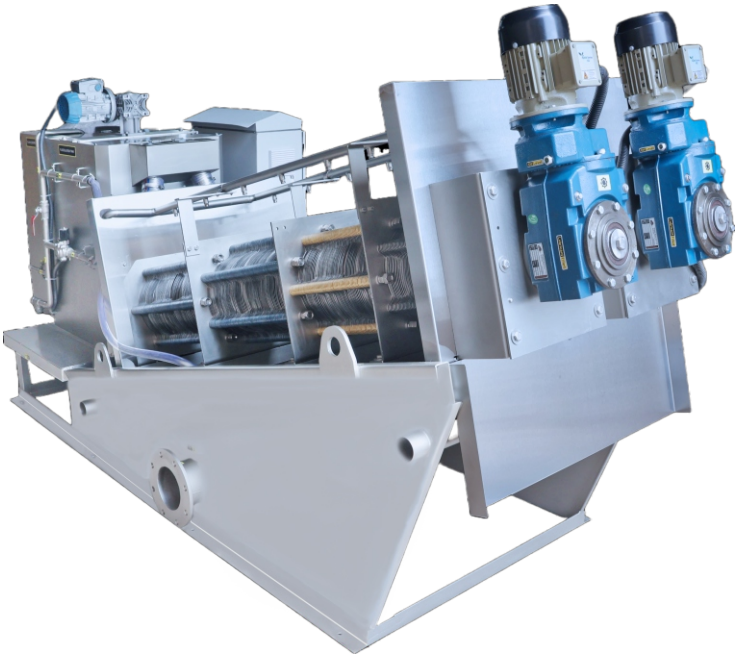
Multi-Disc Screw Press - Sludge Dewatering Machine

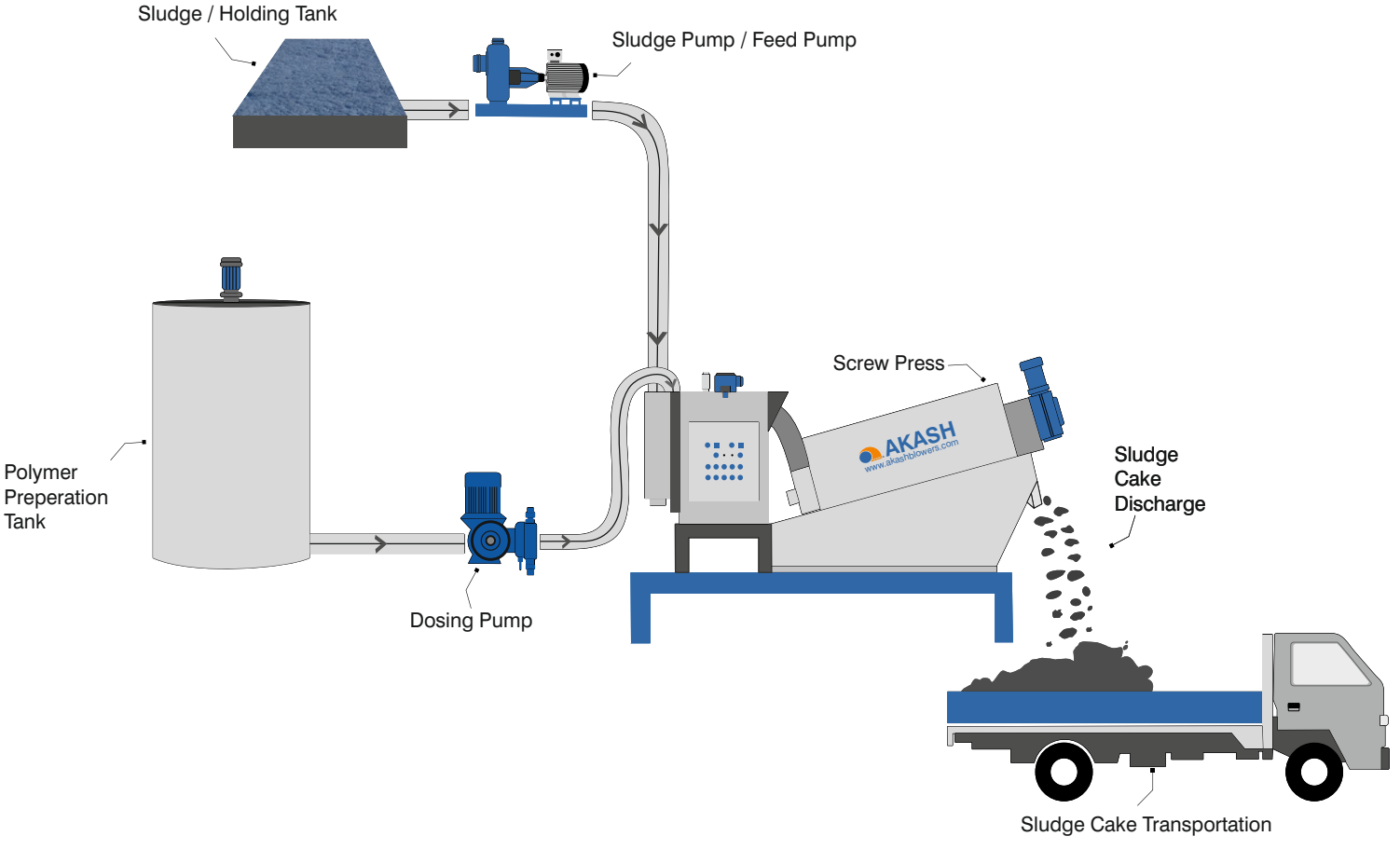
Innovative Solution for Sludge Dewatering Challenges

The Sludge dewatering machine are widely used in solid-liquid separation to minimize the sludge disposal. The Sludge is pumped to the Flocculation tank chamber where poly-electrolyte solution is added for formation of flocks and continuously mixed during the operation with the help of Flocculation paddle to ensure the relative stability of the sludge concentration. Then treated sludge is moves forward into the dewatering cylinder where liquid is drain from the gap between the rings under the gravity and dewater sludge cake discharge at the end of cylinder.

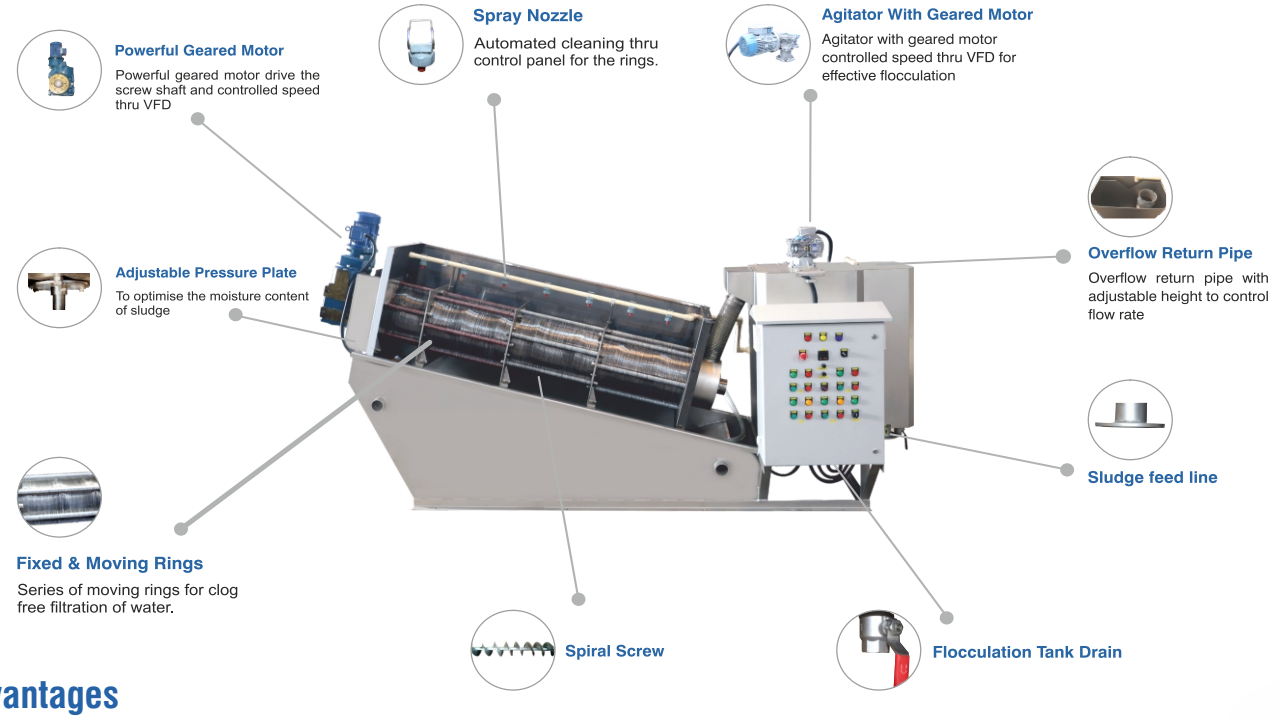
Applications

- Municipal Sewage Sludge
- Waste Water Treatment Plant
- Industrial Waste Water treatment Plant
- Dairy Farming
- Chemical & Pharmaceutical Plant





Key Parts & Features



Advantages

- Low power consumption
- Minimal operator requirement
- Easy to operate and maintenance
- Fully automatic and continuous operation
- Low noise and vibration

MODEL	INLET FLOW RATE (m^3/Hr) @ 1% SLUDGE CONCENTRATE	DRY SLUDGE (KG/HR)	ELECTRICAL POWER (KW)	DIMENSION (MM)			RINSING WATER CONSUMPTION (L/H)	WEIGHT (KG)
				L	W	H		
ASDM - 1080 EM	0.3-0.5	1 - 5	0.3	1775	725	1100	24	175
ASDM - 1080	0.3-0.5	1 - 5	0.3	1775	725	1100	24	175
ASDM - 1095	0.5-0.8	5 - 8	0.36	2035	990	.1220	30	225
ASDM - 1100	1.0	6 - 10	0.36	2120	1000	1220	30	250
ASDM - 1115	1.5	11 - 15	0.36	2120	1000	1220	30	260
ASDM - 1135	2.0	15 - 20	0.55	2450	925	1375	40	350
ASDM - 1170	3	16 - 30	0.55	2700	925	1425	40	475
ASDM - 2115	3	16 - 30	0.54	2150	1200	1225	60	330
ASDM - 1190	4	31 - 40	0.55	3150	1075	1610	42	495
ASDM - 1210	6	41 - 60	0.55	3150	1075	1610	42	540
ASDM - 2210	12	61 - 120	0.92	3150	1500	1610	84	720
ASDM - 1250	8	61 - 80	0.93	3660	1100	1860	48	660
ASDM - 1300	14	80 - 140	1.12	3800	1200	1800	48	805
ASDM - 1350	20	121 - 200	1.47	4310	1200	2310	60	1250
ASDM - 2300	28	200 - 280	1.87	3800	1700	1800	96	1460
ASDM - 2350	40	281 - 400	2.57	4310	1450	2310	120	2230
ASDM - 3350	60	401 - 600	4.05	4310	2000	2310	180	3320

NOTE: Specifications are subject to change without notice.

Acoustic Enclosures

Acoustic hood covers the complete blower and motor arrangement. Its fully sound proof cabin decreases the overall sound of the system to the accepted norms as per IS specifications. Provision of exhaust fan decreases heat in the chamber and fixing of the anchor bolts results in rigid base to the acoustic hood. This is a very effective enclosure to provide noise reduction of 15 to 20 dBA or more, to comply with international noise level & is available for all blowers and models.

The sound reduction enclosures are specially designed to reduce noise pollution to suit the local environment. These are engineered to take care of air intake and out-throw, resulting in a pleasing and attractive design.

Acoustic Enclosures

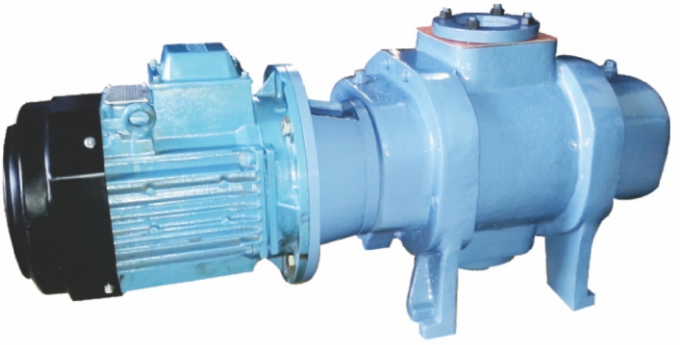
Features

- Reduce noise level by approximate 10-20 dB(A)
- Easy to assemble and maintain.
- Space available inside for repair & maintenance work
- Suitable for open installation
- Powder Coated Sheets with Acoustic pyramid foam
- Proper air ventilation system is available for proper cooling of blower.

Note - We manufacture 2 in 1 (2 blowers in 1 acoustic enclosure) acoustic enclosures for few models which reduce the footprint space and cost also.

Mechanical Vacuum Boosters

AKASH Mechanical Vacuum Booster pumps are used in growing number of application where fast pumping down time are required, and environment or energy usage concerns, AKASH Booster Pumps increase the performance, ultimate vacuum and pumping speed of oil-sealed / water-ring / dry vacuum type of mechanical pumps, which are widely used in various industries.



Outstanding Advantages

- High vacuum of the order of 0.001 Torr or better.
- High pumping speeds at low pressures, capacity is boosted by 8 to 10 times or more.
- Relatively low power consumption for such performance boosting.
- Considerable reduction in pump down time of vacuum machine.
- Prevents Oil back streaming from Rotary pumps.
- Dry Pumping suitable for Gas / Vapour Loads.

Outstanding Features

- Entirely mechanical, light weight and compact design
- Dynamically balanced rotors and Hardened and grounded gears for long lift and quiet operation.
- Can be mounted separately from the backing pump or directly on the inlet of the backing pump.
- ISO Flanges.
- High volumetric efficiency.
- Compatible with all vacuum systems.
- Efficient air-cooled design
- Easy to maintain

MODEL	CAPACITY	REC. MOTORS	MAX. PRESSURE	LINE SIZE
	SPEED (M^3/HR)	(KW) 4POLE/1500RPM	PRESSURE(MBAR)	(MM)
AVB 01	**260**	**1.1**	**90**	**65**
AVB 05	**400**	**2.2**	**120**	**80**
AVB 15	**800**	**3.7**	**90**	**100**
AVB 30	**1670**	**5.5**	**70**	**150**
AVB 50	**2930**	**7.5**	**50**	**200**
AVB 60	**3900**	**11.0**	**65**	**200**
AVB 70	**5250**	**11.0**	**45**	**300**

NOTE: Specifications are subject to change without notice.

- Rotors C1 FG260IS210; Shaft Alloy Steel.
- Recommended for application having presence of volatile solvents.
- Best suited for coarse, medium and high range vacuum applications.

Centrifugal Air Blower

When the impeller rotates, the air between the blades of the centrifugal fan is subjected to centrifugal force to obtain the kinetic energy (dynamic head) discharged from the periphery of the impeller, and the volute guides the flow to the outlet. The heart of the fan is such that the heart of the impeller is located at the heart of the impeller. Negative pressure is formed, so that the external airflow source continuously flows in and supplements, so that the fan can discharge air.

Features

- 100% Oil Free delivery
- Low noise and vibration
- Suitable for pressure and Vacuum application
- Pulsation free air
- Low power consumption
- Easy installation
- Direct drive motor design
- Low maintenance
- Compact in design (Space saving)

Model	Power	Displacement	Vacuum	Pressure	Weight	Sound
ABPL-CX-65	0.25 HP	270-330 m^3/hr	700 PA	1100 PA	7.0 KG	50/62 DB
ABPL-CX-75SA	0.5 HP	420-500 m^3/hr	1100 PA	1600 PA	11.0 KG	56/70 DB
ABPL-CX-75A	1.0 HP	780-950 m^3/hr	1700 PA	2400 PA	14.0 KG	64/80 DB
ABPL-CX-100A	2.0 HP	1200-1450 m^3/hr	2000 PA	3000 PA	28.0 KG	74/90 DB
ABPL-CX-125A	3.0 HP	1920-2350 m^3/hr	2400 PA	3700 PA	38.0 KG	76/95 DB
ABPL-CX-150A	5.0 HP	2800-3300 m^3/hr	3200 PA	4400 PA	54.0 KG	80/100 DB

Agitator

At the forefront of agitator technology, Akash Blowers has consistently demonstrated a commitment to the highest levels of development and manufacturing expertise. Customer benefits and agitator reliability are unwavering priorities, regardless of the size or complexity of the task at hand. The extensive selection of highly efficient Akash Blowers agitators ensures the availability of the optimal agitation system for a wide range of mixing tasks, including homogenization, suspending, dispersing, gassing, and addressing specific heat supply or removal requirements. Akash Blowers proudly serves as a leading Manufacturer, Supplier, and Exporter of Agitators and Industrial Agitators.

Features

- Water and Waste Water Treatment Plant
- Industry of Fine Chemicals
- Biology Ferment
- Mining and Minerals
- Chemical Processing
- Flue Gas Desulfurization (FGD)
- Fermentation Tank

These mixer agitators are comes in several specifications as per the need of our customers. The offered mixer agitators are tested from our end in order to deliver a defect free range to customer's end. Our mixer agitators are developed with quality material under the direction of skilled professionals.

Applications And Industries

Over 27000 domestic and international Installation of Akash Blowers are a proof of our reliability & strength providing universal solution in wide ranging applications such as:

Applications

- Aeration & Backwash, CPU and Bio-Gas etc
- Direct Reduce Iron
- Pneumatic Conveying
- Fluidizing
- Jet Air
- Oxidation Air
- Passivation of Air
- Re-generation
- Sulphitation Process
- Gases: Nobel, Toxic Sour & Corrosive Gases
- Combustion
- COG/BF

Industries

- Waste water treatment: STP/ETP/WTP
- Steel
- Thermal
- CFBC, Cement and Co-Gen
- Cement Kiln
- Flue Gas Desulphurization Plants
- Agriculture-Fertiliser
- Sulphuric Acid Plant
- Sugar
- Chemicals, Refineries, Process Industries
- LCP: Steel, Glass
- Nuclear









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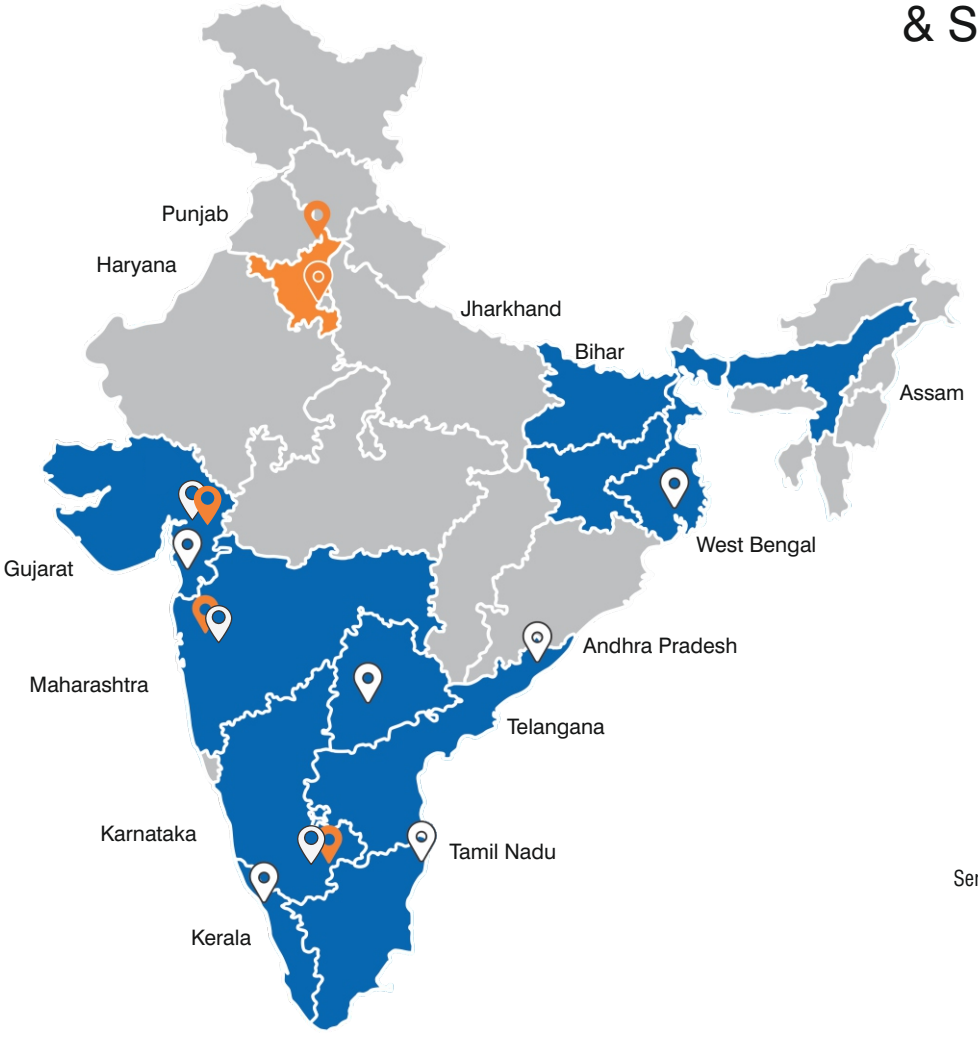

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