



www.akashblowers.com



RING BLOWERS

RING TURBINE / REGENERATIVE / SIDE CHANNEL BLOWERS

ABOUT US

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 base producing a 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 Volute Dewatering Machine. 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 Sugar plants, Water treatments plants, Effluent treatment plants, Aqua culture farms, Chemical & pharmaceutical plants, Food processing units.



VISION

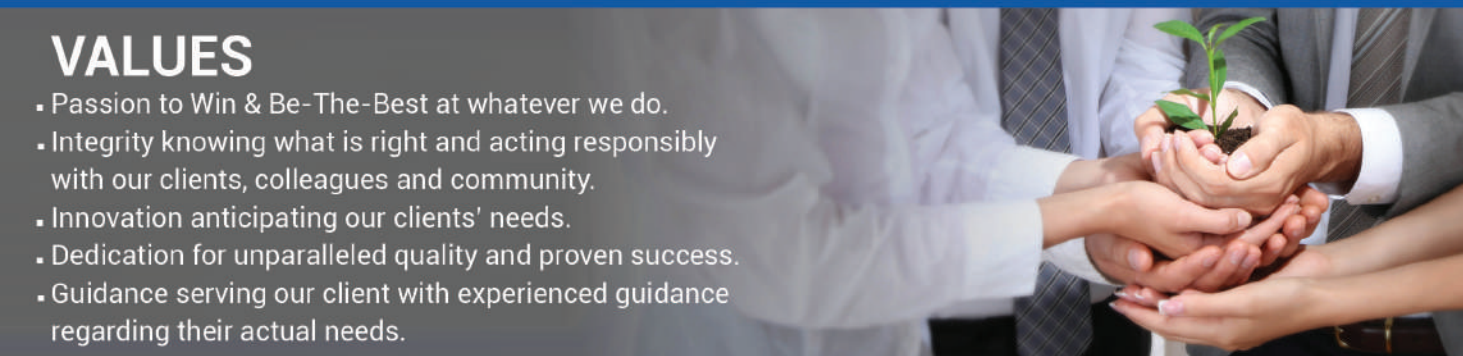
To Become the No. 1 company in the Industry which delivers quality products for its Customers, believes in Innovation to meet the changing needs of the Customers and Market and are able to keep their Employees and stakeholders Happy and Satisfied, thus ensuring their growth along with the Company.

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.

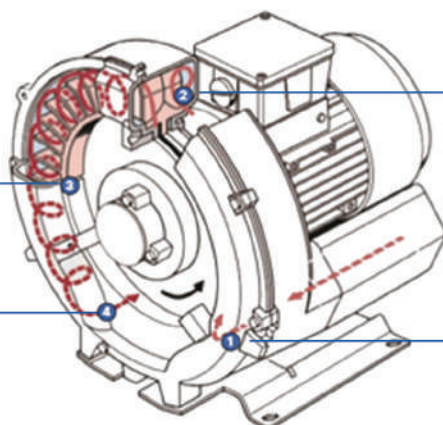


WORKING PRINCIPLE

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



Rotating Impeller

Air inlet

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

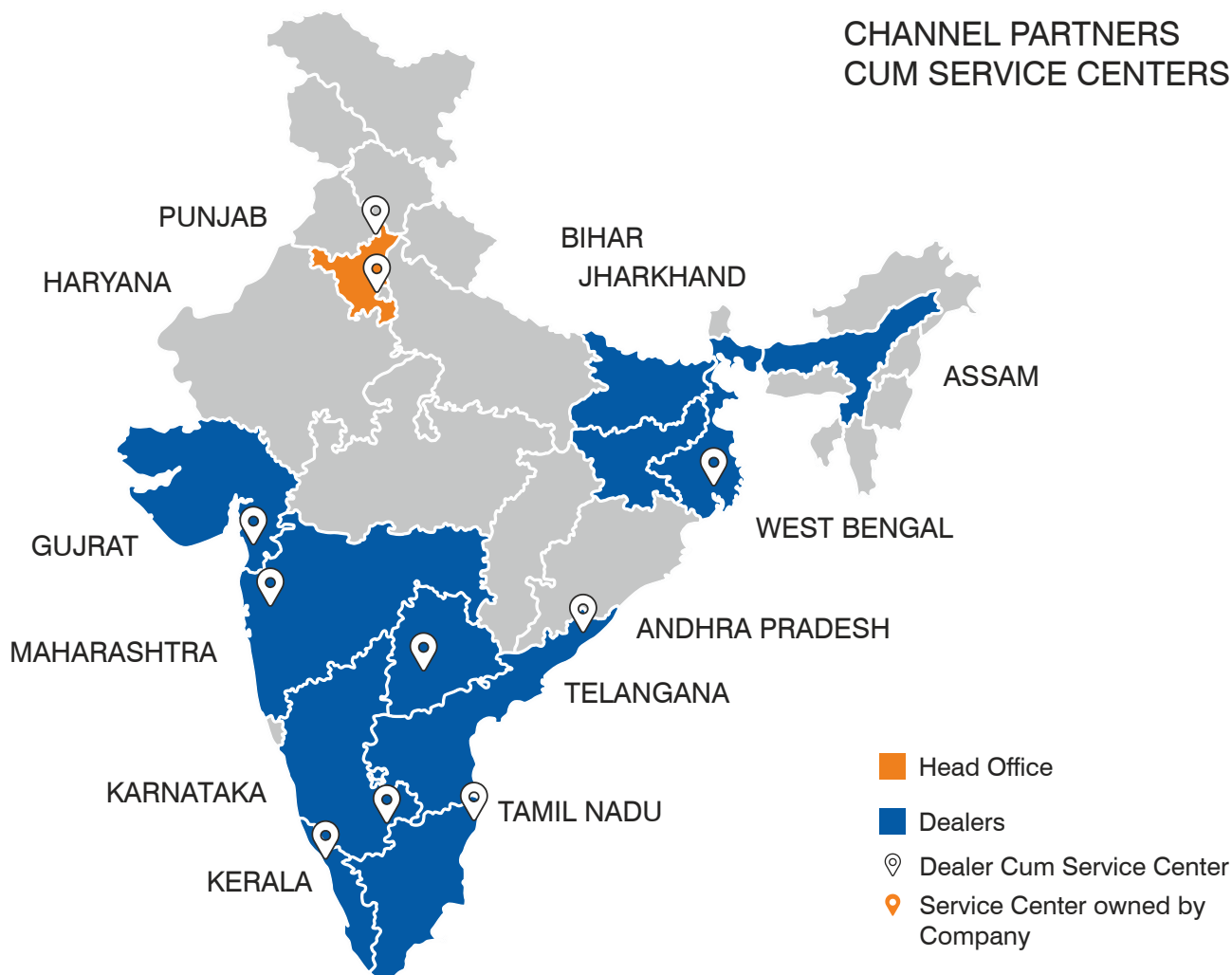
SINGLE STAGE TURBINE BLOWER									
Model	Power	Displacement	Vacuum	Pressure	Pressure (PSI)	Sound	Speed (RPM)	Weight	Motor (AMP)
ARB-SS-25	0.25 HP	80 m3/h/47 CFM	-120 mbar	120 mbar	1.74 PSI	53 DB	2800	9 KG	1.5
ARB-SS-80	0.5 HP	80 m3/h/47 CFM	-130 mbar	140 mbar	2.03 PSI	62 DB	2800	12 KG	1.5
ARB-SS-145	1.0 HP	145 m3/h/85 CFM	-150 mbar	160 mbar	2.32 PSI	63 DB	2800	14 KG	2.2
ARB-SS-210L	1.5 HP	210 m3/h/123 CFM	-170 mbar	170 mbar	2.46 PSI	64 DB	2800	22 KG	2.4
ARB-SS-210	2.0 HP	210 m3/h/123 CFM	-190 mbar	200 mbar	2.90 PSI	70 DB	2800	23 KG	4.3
ARB-SS-270	3.0 HP	270 m3/h/123 CFM	-230 mbar	250 mbar	3.91 PSI	67 DB	2800	27 KG	5.6
ARB-SS-320V	4.0 HP	320 m3/h/188 CFM	-270 mbar	290 mbar	4.20 PSI	69 DB	2800	37 KG	7.2
ARB-SS-400	5.0 HP	400 m3/h/235 CFM	-290 mbar	330 mbar	4.78 PSI	77 DB	2800	40 KG	9.2
ARB-SS-530	7.5 HP	530 m3/h/312 CFM	-300 mbar	320 mbar	4.64 PSI	80 DB	2800	62 KG	12.9
ARB-SS-530P	10.0 HP	530 m3/h/312 CFM	-320 mbar	380 mbar	5.51 PSI	82 DB	2800	68 KG	16.7
ARB-SS-1050	11.0 HP	1050m3/h/618 CFM	-210 mbar	210 mbar	3.04 PSI	77 DB	2800	93 KG	18.2
ARB-SS-1050P	16.5 HP	1050 m3/h/618 CFM	-280 mbar	270 mbar	3.91 PSI	80 DB	2800	116 KG	28.2
ARB-SS-1050HP	24.5 HP	1050m3/h/618 CFM	-340 mbar	460 mbar	6.67 PSI	82 DB	2800	126 KG	37.2
DOUBLE STAGE TURBINE BLOWER									
Model	Power	Displacement	Vacuum	Pressure	Pressure (PSI)	Sound	Speed (RPM)	Weight	Motor (AMP)
ARB-DS-88	1.0 HP	88 m3/h/52 CFM	-210 mbar	240 mbar	3.48 PSI	55 DB	2800	14 KG	2.2
ARB-DS-110	1.5 HP	110 m3/h/65 CFM	-280 mbar	290 mbar	4.02 PSI	58 DB	280	24 KG	3.3
ARB-DS-150	2.0 HP	150 m3/h/88 CFM	-280 mbar	280 mbar	4.06 PSI	66 DB	2800	24 KG	4.3
ARB-DS-150V	3.0 HP	150 m3/h/89 CFM	-330 mbar	440 mbar	6.38 PSI	66 DB	2800	27 KG	5.6
ARB-DS-230V	3.0 HP	230 m3/h/135 CFM	-290 mbar	360 mbar	5.22 PSI	72 DB	2800	35 KG	5.6
ARB-DS-230	4.0 HP	230 m3/h/135 CFM	-340 mbar	410 mbar	5.94 PSI	72 DB	2800	39 KG	7.2
ARB-DS-230P	5.0 HP	230 m3/h/135 CFM	-390 mbar	490 mbar	7.10 PSI	72 DB	2800	45 KG	10
ARB-DS-320V	7.5 HP	320 m3/h/188 CFM	-440 mbar	500 mbar	7.25 PSI	73 DB	2800	70 KG	13.3
ARB-DS-320P	10 H.P	320 m3/h/188 CFM	-440 mbar	570 mbar	8.26 PSI	73 DB	2800	77 KG	16.7
ARB-DS-520	15 HP	520 m3/h/317CFM	-430mbar	660 mbar	9.57 PSI	74 DB	2800	123 KG	28
ARB-DS-1110P	27 HP	1110m3/h/653 CFM	-440 mbar	500 mbar	7.25 PSI	74 DB	2800	204 KG	40
ARB-DS-1110HP	33 HP	1110m3/h/653 CFM	-440 mbar	590 mbar	8.55 PSI	74 DB	2800	211 KG	52
ARB-DS-2050	27 HP	2050 m3/h/1206 CFM	-250 mbar	230 mbar	3.33 PSI	75 DB	2800	230 KG	40
ARB-DS-2050P	33 H.P	2050 m3/h/1206 CFM	-310 mbar	280 mbar	4.06 PSI	75 DB	2800	235 KG	52

Displacement, Vacuum and Pressure are shown on maximum side as 2800 RPM is constant. To check actual Air Flow as per requirement please refer Performance Curve.

APPLICATIONS

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

CHANNEL PARTNERS CUM SERVICE CENTERS



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