

Aqua Culture Blowers



Rotary Positive Displacement Twin Lobe & Tri Lobe Compressors (Roots Blowers)



AKASH Blowers Pvt. Ltd.

- Twin-Lobe Roots Blowers • Tri-Lobe Roots Blowers • Gas Blowers • Water Cooled Blowers
- Vacuum Boosters • Acoustic Enclosures • Aqua Culture Blowers • Blowers Spares

ABOUT US

With the expertise earned from 40+ years of experience, AKASH started manufacturing of Twin Lobe Rotary Air Blowers way back in 2009. Since then the company has consistently strengthened its manufacturing base, producing a wide range of products. This broad product line includes Twin Lobe & Tri-Lobe Rotary Air Blowers/Compressors (Roots Blowers), Mechanical Vacuum Boosters & Acoustic Hoods. 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 Treatment 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 need 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

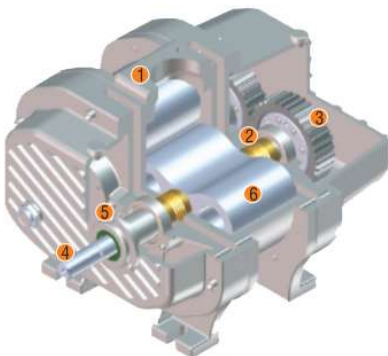
To Serve our Customers as their most Trusted and reliable partner in the Blower Industry

VALUES

- Passion to give our Best & Be-The-Best.
- Integrity to know what is right and act responsibly with our clients, colleagues and community.
- Innovation To keep on improving our Product and services while anticipating our client's needs.
- Dedication To Succeed while delivering unparalleled quality and meeting best Standards.
- Guidance To Serve our client with experienced and unbiased guidance regarding their actual needs.



QUALITY MANUFACTURE



1) Casing: All AKASH Blower units are single-piece construction and precision machined cast iron, with ribs for strength and consistent thermal behaviour.

2) Bearings: All AKASH Blower 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 timing for smooth and efficient operation.

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 on 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.

AQUA CULTURE BLOWERS



AKASH range of aqua culture blowers to meet the growing demand for aquaculture/horticulture for RAS Tanks/biofloc system/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.

PERFORMANCE DATA

Model	Capacity	Pressure (MMWC)	HP	Line Size
AQUA-325	70	2000	1.5 HP	40 mm
AQUA-42	100	2000	2 HP	40 mm
AQUA-4130	175	2000	3 HP	80 mm
AQUA-47	250	2000	5 HP	80 mm
AQUA-59	550	2000	7.5 HP	100 mm
AQUA-5305	800	2000	10 HP	125 mm
AQUA-615	1050	2000	12.5 HP	150 mm
AQUA-717	2200	2000	25 HP	200 mm

Features

- Stable air flow and fewer pressure variations
- Clean air with no oil dirty particles
- Construction is simple and easy to maintain
- Bearings and grease are lubricated with oil/synthetic grease on end side of the blowers
- Proven design, backed by a 1 year Warranty

AMC & SPARE PARTS



AKASH Original spare parts are carefully selected with the correct specifications 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 & without consumables.
2. Genuine and originals spares always recommended for 100% efficiency of Blowers.
3. Onsite and in-house service of any make of blowers is also available.

Spare Parts



Rotor Set



Gear Set



Bearing Set & Oil Seal

Accessories



Pressure Gauge



Pressure Relief Valve



NRV



Air Filter

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



State of the Art Blower Engineering and Manufacturing

APPLICATIONS

Water Treatment Plants for backwashing of filter/mixed beds
Effluent Treatment Plants for diffused aeration and agitation of effluent
Sewage Treatment Plant for diffused aeration and agitation of sewage
Cement Plants for blending, aeration, fluidisation and conveying
Aqua Culture for maintaining the dissolved oxygen level
Chemical Plants for supply of process air
Electroplating Plants for oil free air agitation for electrolyte
Paper Plants for knife edge coating, drying conveying and vacuum pickup
Yarn Drying for vacuum/pressure drying
Polyester Chip Conveying & drying for transfer of polyester chips and other similar materials
Bag Filters for reverse cleaning of filter bags
Pneumatic Conveying for vacuum, pressure and combination conveying of cereals, cement, husk, baggage granules, powders and other similar material

Regeneration of Dryers and Molecular Sieves

FGD - Fuel Gas Desulphurisation

VPSA - Vacuum Pressure Swing Adsorption



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