



UNITED BLOWER, ESTABLISHED IN 1989, HAS TO DATE, OVER 10,000 BLOWER SYSTEMS INSTALLED IN WATER, WASTEWATER AND INDUSTRIAL PLANT APPLICATIONS. OUR FIRM HAS TEAMED UP WITH TNE, A MANUFACTURER OF HIGH SPEED TURBO BLOWERS OF THE AIR BEARING DESIGN, IN SIZES 20-500 HP. UNITED BLOWER ALSO OFFERS ITS FLAGSHIP PRODUCT, THE ENGINEERED QUIET PULSE TRILOBE PD PACKAGE UP TO 300 HP, PLUS MULTISTAGE CENTRIFUGAL BLOWER PACKAGES UP TO 800 HP, HIGH PRESSURE (18PSIG) PD BLOWER PACKAGES, REGENERATIVE BLOWER SYSTEMS, AND ITS POPULAR SMALLER ECONOTOP, ECONOPAK AND ENVIROPAK ARRANGEMENTS. UNDER DEVELOPMENT IS OUR TRUSCREW BLOWER PACKAGE. UBI IS YOUR ONE STOP LOW PRESSURE AIR SOURCE.

MULTISTAGE CENTRIFUGAL BLOWERS



FEATURES

- PACKAGES MANUFACTURED IN BALL GROUND, GA SINCE 1989
- ALL CAST STAGES AND ENDS
- SMOOTH TRANSITION CASTING INLET & OUTLET PORTS
- VIBRATION AND TEMPERATURE PROBE TAPS CAST IN PLACE
- INTAKE SEAL-INDUCER OF THE IMPELLER IMPROVES INLET FLUIDITY TO THE IMPELLER
- FLUID ANALYSIS TECHNOLOGY USED TO OPTIMIZE BLOWER
- AIRFOIL RETURN FLOW BLADE IS DESIGNED TO REDUCE LOSSES
- STRINGENT BALANCING PROCESS PROVIDES VERY LOW VIBRATION AND HIGH RELIABILITY
- IMPELLER IS SPECIALLY DESIGNED USING THREE DIMENSIONAL MERIDIAN PLANE AND COMPOUND CURVE TECHNOLOGY
- SPECIAL INTERNAL MATERIALS OF CONSTRUCTION AND COATINGS ARE AVAILABLE

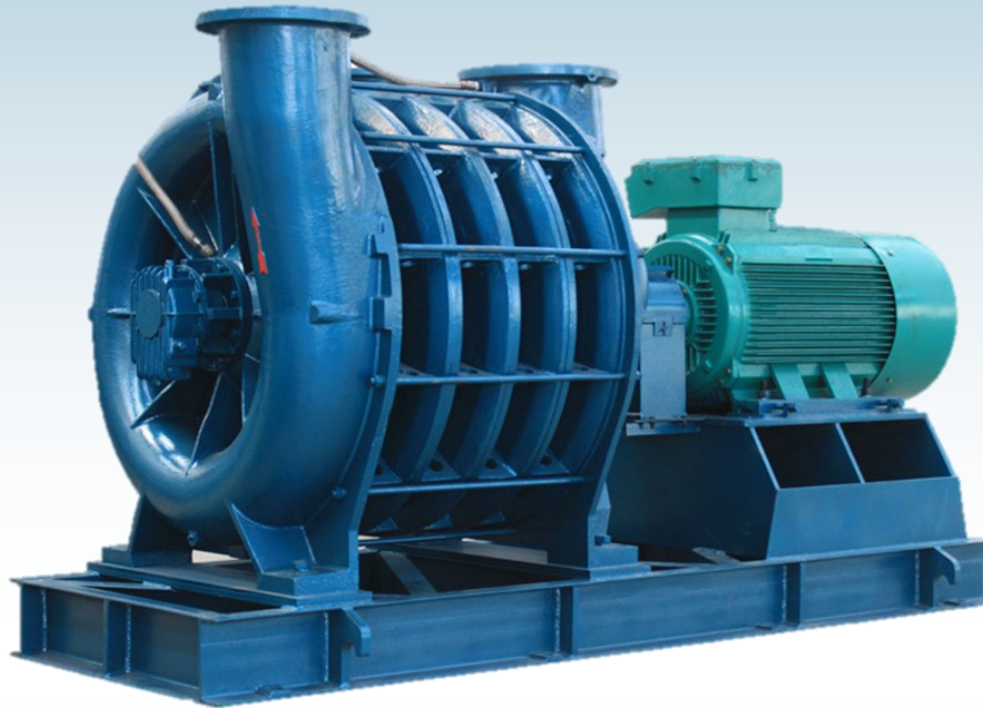
Packaged Systems & Distribution By:

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PRODUCT INTRODUCTION



A multistage centrifugal blower (MSCB) is a mass flow machine. Therefore, it has the advantage that capacity is easily adjustable using the simplicity of an inlet butterfly valve adjustment. The addition of a VFD, provides even more flexibility and efficiency. The MSCB smoothly compresses air one stage at a time. Impeller designs are specifically selected to achieve the best combination of flow and pressure (or vacuum). In addition, the MSCB is regarded for having a low level of noise emissions. The Multistage is widely used for aeration in sewage treatment plants, metal processing, chemical plants, printing lines as well as numerous other industrial applications. The latest series of MSCB has the combined theoretical expertise of Xi'an Jiao Tong University Mechanical Engineering department, as well as 40 years of experience and production experience of Shandong Zhangqiu Blower Corporation.

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FEATURES & USAGE



- The profile curve of the MSCB impeller is advanced. As a result, the overall efficiency of the blower is close to 80%.
- The casing and return channel have a unique design, which makes the flow smoother and simplistic.
- After strict dynamic balance the impeller achieves very low vibration and noise. Long-working life and high reliability is attained.
- The mechanical structure is advanced, with very few wearing parts. Installation, operation and maintenance is convenient and easy to follow.
- Adjusting capacity is convenient. When the blower is at the specified pressure it has a wide range of capacity suitable for various conditions.
- The MSCB is mainly used in the fields of sewage treatment, coal separation, furnace blasting, co-gen plants, oil refineries and printing.
- The internals feature aluminum impellers which allows the transfer of many noncorrosive gases apart from air.
- Special internal materials including SST cast impellers, as well as coatings of the wetted parts, are available.

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INTERNATIONAL ADVANCED MANUFACTURING EQUIPMENT



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