



## **DESIGN FEATURES**

- A high efficiency integrated intake Filter / Silencer with washable polyurethane filter media mounts directly on the inlet of the blower.
- A combination base and discharge silencer enables the blower, with the motor and belt guard, to be mounted directly on it. This facilitates package assembly.
- A heavy duty, integrated compact discharge silencer base frame minimizes the unit's footprint.

- V-belt drives with auto tensioning reduce maintenance costs.
- Vibration isolators are installed to minimize and isolate vibration.
- Easy maintenance access sound enclosures, which can reduce sound levels up to 15 – 20 dBA, are available.

## PERFORMANCE FEATURES

- Lower noise levels
- More CFM per BHP, energy efficient design mean lower operating costs.
- Lower maintenance costs.

## COMMERCIAL FEATURES

The units are covered under the factory warranty for 24 months from the date of shipping, or 18 months after the date of installation – whichever comes first. Please see the warranty sheet for details.

## ZG BLOWER PACKAGE SPECIFICATIONS

### EQUIPMENT

The ZG blower package is a compact, contemporary custom designed blower package. Eurus uses only premium quality components for reliable operation and minimal maintenance costs. Loaded with special features, the ZG blower package is sure to satisfy even the most demanding customers.

**Blower:** ZG series tri-lobed rotor, positive displacement blower.

**Automatic Belt Tensioner:** The initial tension on the belt can be manually set, quickly, while the unit is running and the belt guard is in place. After the initial setting, Eurus' design continuously and automatically ensures proper tensioning of the V-belts. This allows the unit to run safely and reliably with minimal maintenance.

**Belt Guard:** The belt guard is made of sheet metal and totally encloses the belt. Holes in the sheet metal allow for ventilation.

**Pulley for the Blower:** A high capacity V-Belt pulley is already mounted to the blower.

**Intake Filter / Silencer:** A highly efficient design integrates the intake filter and silencer. This unit mounts directly on the inlet of the blower. The media of the filter is a washable polyurethane filter media. Multiple tubes around the circumference of the filter help to further attenuate the noise. Some of the tubes can be plugged to adjust the noise level to the most desirable level. The unit provides between 15 dBA and 20 dBA of noise reduction.

**Integrated Discharge Silencer Base Frame:** The outlet silencer is a combination chamber / absorptive type silencer. The heavy duty compact base frame and outlet silencer are integrated into one part. The blower, motor, automatic belt tensioner and belt guard are mounted as an integral part of the silencer. The base is designed to facilitate package assembly, which reduces labor and the overall cost of assembly. This savings can be passed on to the client. It also provides a smaller overall footprint, yielding significant space savings. The integrated intake filter silencer and MB blower package allows for a smaller, less expensive sound enclosure.

**Vibration Isolator:** Resilient cushioning elements eliminate the transfer of vibration to the foundation and minimize noise. These vibration isolators are already mounted for easy installation.

### **OPTIONAL ACCESSORIES**

**Flex Connector:** To easily connect to the application, a flexible expansion joint can be provided. It is to be connected after the discharge silencer and comes complete with flange to connect to piping. Its purpose is to accommodate slight pipe connection misalignments. It also provides modest vibration absorption.

**Sound Enclosure:** The optional enclosure encases the entire package and has inlet and discharge openings allowing for proper ventilation. The sound enclosure has two easy-to-open, lockable maintenance doors located for access to critical maintenance areas as well as a ventilation fan to insure proper cooling. If mounted outdoors, the enclosures should be under a roof to protect against snow loads and ventilation blockage.

**Pressure Relief Valve:** Model SV series spring-loaded relief valve assemblies are mounted in the discharge line for pressure applications; and model ZK series vacuum valve assemblies are mounted in the suction line for vacuum applications.

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The relief valve assembly has one T-style spool piece, for mounting the relief valve. SV and ZK series relief valves are made in China.

**Motor:** Eurus offers TEFC motors (3600 or 1800 RPM, 230/460 V, 3 Phase, 60 HZ,) for installation on the packages. Other motor enclosures are optional.

**V-Belt Drive:** Eurus offers a high capacity oil and heat resistant belt drive system for installation on package systems. This system is designed with a minimum 1.5 service factor.

**Check valve:** A check valve, mounted after the relief valve, can be provided complete with bolts and flanges.

**Pressure Gauge:** A liquid pressure gauge can be provided as an option and can be mounted on the spool piece on which the relief valve also is mounted.

**Butterfly Valve:** Butterfly valves, which can isolate the system, can be provided.

**Temperature Gauge:** A temperature gauge can be provided as an option and can be mounted on the blower base frame.

**Motor Starter:** A motor starter can be provided to increase efficiency.