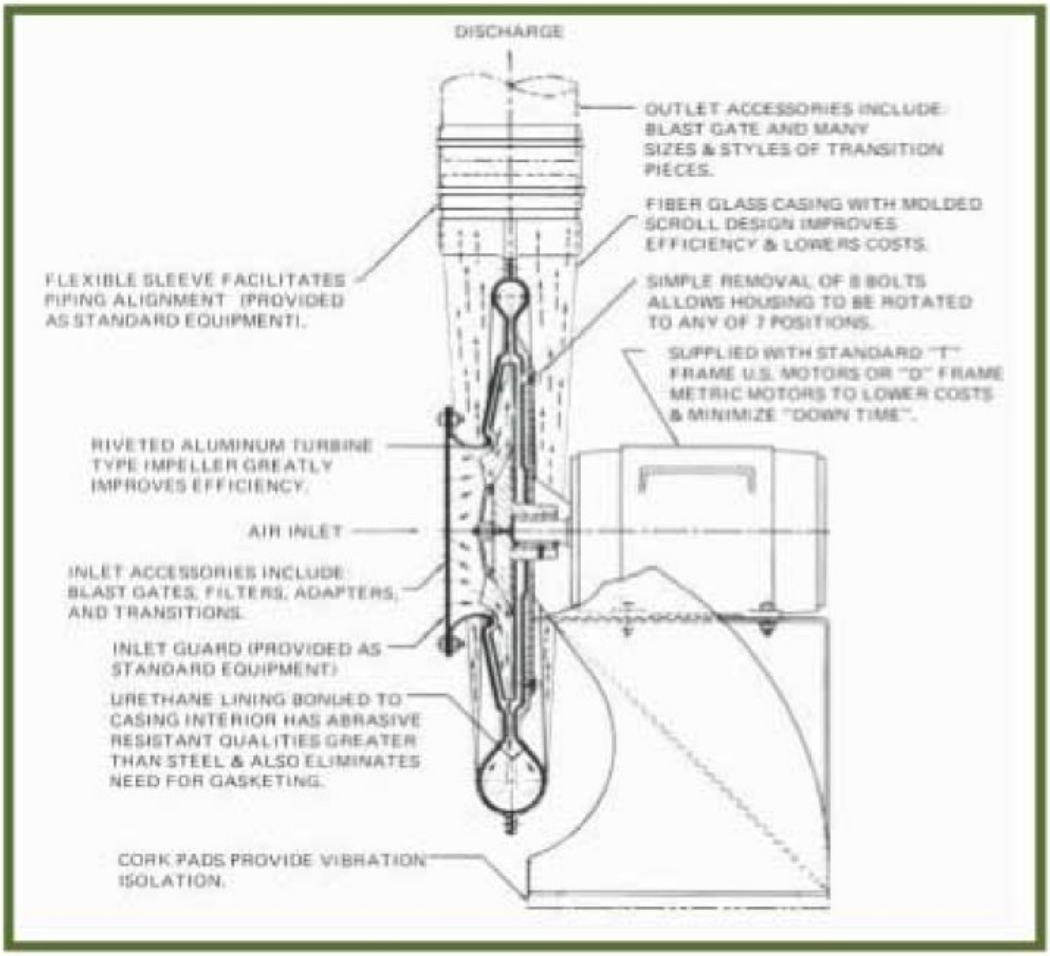

Lighter weight, corrosion resistance and a precisely molded involute scroll design are all made possible with the fiberglass casing. In addition, the molded rubberized lining provides abrasion resistance greater than steel and a super smooth surface for reduced frictional losses. Maximum inlet air temperature 200 ºF (93 ºC).

The riveted, heavy gauge aluminum turbine type impeller utilizes a curved blade design which induces air into the blower inlet and improves efficiency.

If a motor replacement is ever necessary, standard shaft 'T' frame motors can be purchased locally and eliminate 'downtime' awaiting a special motor.

The simple removal of eight bolts allows the casing and discharge to be rotated to any of seven positions. This rotation can be easily completed without disassembly of the casing.

Turbine Design Impeller
(Pat. No. 3,472,967)

Inlet Turning Ring Seal
(Pat. No. 3,572,963)

The exclusive curved impeller with built-in air inducer is coupled with a patented inlet turning ring seal to produce operating efficiencies that have been previously unobtainable in Turbo Pressure Blowers. A steel inlet guard is furnished as standard equipment (not shown).

SILENCERS

The Hauck Inlet Silencer is specifically engineered to provide noise attenuation in the 63 Hz to 8,000 Hz frequency range. The design and the construction materials used ensure a long, trouble-free service life. Pressure drop is less than 1" wc (249 Pa). Use of a studded flange simplifies attachment to the blower. (See Hauck Sheet TBFS-1)

FILTERS

The Hauck Filter is designed for blowers installed in a dirty atmosphere to prevent dirt from being drawn into the blower and air piping system. The use of an inlet filter can often prevent unbalanced impellers and inefficient blower operation. Minimal pressure drop. Compatible with Hauck Silencers. (See Hauck Sheet TBFS-1)

TRANSITIONS, INTAKE ADAPTERS

All sizes and types of transition pieces are available to facilitate connecting the blower outlet to the system piping. The transition inlet is designed to fit the blower sleeve while the outlet is available with flanged, welded, threaded, or straight connections. An inlet adapter is available for applications where outside or 'fresh air' must be piped to the blower inlet. Adapter is complete with gasket and necessary fasteners.

ANTI-SURGE CONTROLS

The Hauck Anti-Surge Control System is composed of a variable vane damper that is attached to the turbo blower inlet flange. Vane position is automatically determined by the system demand. Blower surge is automatically controlled by modulating the pressure drop across the inlet dampers, maintaining a constant discharge pressure. Vane pre-swirl reduces blower HP at part load, and generates a different performance curve at each damper position. This technique, applicable to new or existing installations alike, maintains the flow through the system ABOVE the flow that would allow surging. Additional information on operational theory and application is available in Hauck Application Sheet GJ61.

HIGH EFFICIENCY AND SPECIAL DUTY MOTORS (Optional)

VIBRATION ISOLATORS

BLAST GATES

ORDERING INFORMATION

To insure prompt and accurate processing of your order, the following information is required:

1. Catalog Number—from Capacity Table.*
2. Discharge Position—from Dimensional Drawing (Discharge Position 1 supplied if not specified).
3. Motor Type—ODP or TEFC. High efficiency or special duty motors (Optional).
4. Electrical Specification—Voltage and Phase—All blowers use 60 Hz 3600 rpm standard shaft motors.
5. Optional Accessories Desired (See TBFS—1).**

* Selection information for special altitude or inlet air temperatures condition is presented on page 6.

** Select accessories compatible with inlet and discharge sizes listed in columns O,R, and S in Dimensional Data. (See page 5).

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