

BLOWER BRIEFS

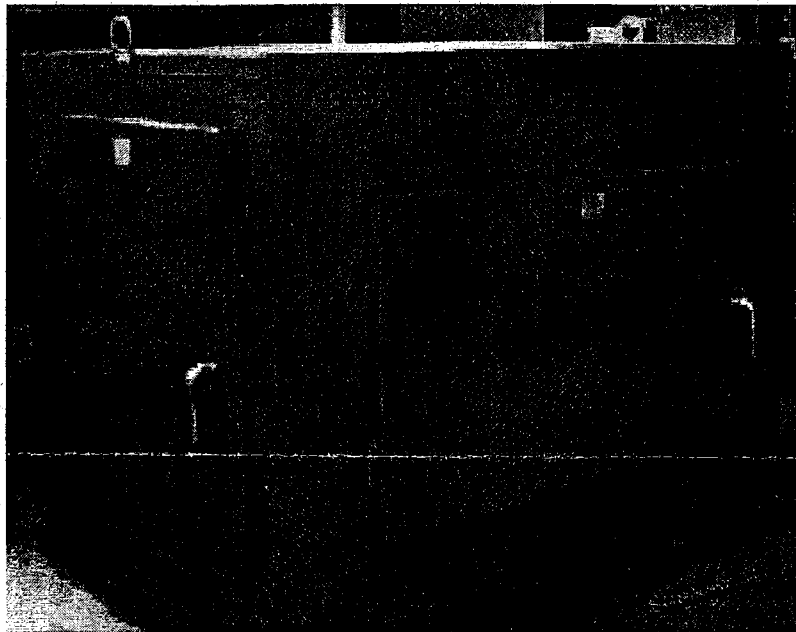
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Weather, noise, appearance and transportability are several valid reasons why one may consider an enclosure for their blower or vacuum pump system. Enclosures come in a wide variety of shapes, sizes and materials. REP has manufactured enclosures for all the components of a system, partial enclosures to cover the blower and motor, and panels to cover specific areas. The most common materials used are steel and fiberglass; however, an enclosure can be manufactured of aluminum or stainless steel if required.

The most comprehensive enclosure REP currently offers is an 11 gauge steel cabinet which surrounds all the components of the blower or

vacuum pump system. Components typically include the blower or vacuum pump, motor, drive, filters, silencers, relief valves, starter and gauges. This type of package is mounted on a subbase which carries the weight of the

components and enclosure. The use of a subbase permits easy material handling. Forkways and lifting lugs are provided. The enclosure comes standard with a removable roof and access doors which are hinged and removable allowing easy access to the components within. The roof and doors are gasketed to provide an excellent weather seal. The 11 gauge steel skin is supported by a steel skeleton which provides excellent rigidity. Ventilation ports are standard



which permit air flow to the blower and motor. An enclosure exhaust fan is standard on a vacuum system and is optional on a pressure system. The 11 gauge skin of the enclosure provides sound attenuation on most systems. If stringent noise control is required, the enclosure can be treated with an acoustical foam. Noise levels as low as 75 to 80 dBA at 3 feet can be achieved with noise treatment based on component selection and system design. Lower noise levels can be achieved based on component selections to specifically target low noise. Enclosures also provide a means to prevent tampering with the equipment should you choose to lock it. Removable panels may be specified if the installation does not provide enough space

for opening the doors. REP designs these enclosures for ease of maintenance and years of trouble free service.

Partial fiberglass enclosures of the "clamshell" type are also an excellent means of protecting the blower system from the weather.

The blower, motor, drive and inlet filter are mounted on a "table top" type

base, and the fiberglass cover fits over these components. The components are mounted on a solid plate to prevent the weather from coming in through the bottom. A ventilation hole is required to assure adequate cooling of the blower-motor assembly. REP typically locates this vent hole on the table top close to the motor. The blower pulls in air which is used for the process and cooling of the motor. This type enclosure is not typically used on vacuum

systems due to the need of some sort of vent fan for the motor. The fiberglass enclosure is fastened to the table by means of a stainless steel piano hinge and is provided with a lift guide to prevent overextension of the cover. Lifting handles are provided to permit easy lifting. Acoustical material can be fitted to the enclosure to provide greater sound attenuation if desired. Depending on the enclosure size, additional reinforcement may be required to prevent damage to the fiberglass cover. An internal frame is used to mechanically secure the acoustical material. REP currently offers three (3) sizes of fiberglass enclosures.

Panels are also available and are typically used for acoustical treatment of the package. The panels bolt onto the blower or vacuum pump base frame. Acoustical treatment material is attached to reduce the overall noise level of the package. The panels may be mounted to surround the blower and vacuum pump area, the silencer or both. Panels are available in a variety of materials to suit your site needs.

REP manufactures packages which come complete with motor starter and controls. We test every package before it ships to assure that any problems are corrected before the unit arrives on the job site. Packages come with a 12 month warranty on parts and workmanship to satisfy your quality needs.

PERSONNEL NEWS

REP is pleased to announce the addition of two new members to our team.

John Mattick has joined us as of August 2. John comes to us with over 12 years of blower and vacuum pump experience from Chicago, Illinois. John is a 1981 Purdue University graduate with a degree in Chemical Engineering. John previously worked for Dresser Industries, Roots Division where he has accumulated a vast amount of blower knowledge to assist you in solving problems. Please feel free to call John regarding any questions you may have.



Barbara Schaaf is joining us as our new office manager effective August 2. She is replacing Tanya Williamson whom we will be losing at the end of August. Many of you have dealt with Tanya and we are confident that you will be equally satisfied by the service Barbara will provide. Barbara has several years experience in office management and customer service. She is responsible for all business activities including payables, receivables, order entry and expediting. Please give Barbara a call if you need help.



AIR FILTER RESTRICTION GAUGE

REP offers an air filter restriction gauge as a convenient, inexpensive brand of monitoring filter pressure drop as the filter element becomes increasingly loaded with dirt.

The gauge progressively measures pressure drop across the filter element as the filter becomes clogged with dust. The gauge will measure up to 20" of water. The indicator inside the gauge locks up at the highest restriction recorded and is returned to the original "clean" filter position by pushing a reset button. We recommend the filter element be changed/cleaned at pressure drops of approximately 8-10" of water. Please contact REP for additional information and immediate shipment.

PLEASE CALL REP FOR PRICING AND AVAILABILITY FOR ANY PRODUCTS

ENCLOSURES WILL PROTECT YOUR PACKAGES FROM THE BLOWER GREMLIN!

