

Why buy a VecLoader® Vacuum?

A history of proven vacuum performance

- a) Over 30 years of vacuum experience meeting the needs of varied industries, contractors and governments worldwide.
- b) Over 3,900 VecLoader trailer units sold.
- c) Patented features and standard features not available in other vacuum systems

Features

Upon detailed review, competitive vacuums do not measure up to VecLoaders. VecLoader standard and available features that should be considered when making your vacuum purchase include the following:

Power Pack & Engine Controls

An enhanced control panel on the Tier III or Tier IV diesel engine features digital displays for tachometer, engine temperature, oil pressure, fuel consumption, voltage, and engine run hours. Throttle controls are both automatic and manual. In automatic mode, the vacuum and dump cycle timer manage the engine, enhancing the ability to discharge collected materials efficiently.

The standard system is enclosed in an easily accessible engine enclosure. A fully lockable enclosure is additionally available on most models to enclose the engine, blower, compressor, and hydraulic components. In addition to enhancing safety, the enclosure protects key components from the elements, and vandalism, while reducing noise levels. The enclosure can be sound attenuated where desirable.

Operating Controls

The VecLoader control panel completely manages vacuum and control functions. On/off selector switches include vacuum, hydraulic lock-out, baghouse pulse system, and vibrator controls. The design allows users to isolate individual machine functions, simplifying problem diagnostics and troubleshooting, and providing flexibility of operation. For example, the baghouse air system can be isolated and shut down without interrupting production. The curbside control location provides easy access to all critical functions, enhancing safety, and increasing operating efficiencies. Separate controls for raising and lowering of the baghouse enhance worker and job safety by avoiding pinch points, and providing better visual controls while raising and lowering the baghouse.

Baghouse & Filtration

The VecLoader two-stage collection system consists of a cyclone collector/baghouse with tangential inlet and conical storage area. The wear section consists of the replaceable inlet pipe, replaceable external wear plate, internal replaceable wear plates, upper deflectors, and a lower deflector ring. The collector utilizes Kleanprop™ Teflon coated seam sealed felted polypropylene bags continuously cleaned with reverse pulses of air while the vacuum is in operation. Each Kleanprop filter is installed with a positive filter bag clamp seal system allowing for positive sealing. Better sealing enhances environmental and blower protection and is much more efficient than competitively offered snap-lock bags. An optional manway is offered for easy access to the baghouse. A magnehelic gauge is mounted on the collector to show the pressure drop across the filter bags. Secondary microfiltration is provided on the clean-air side of the baghouse for added environmental and blower protection. This filter module is also fitted with a magnehelic gauge to show the pressure drop across the filter. A pneumatic hopper vibrator or dual vibrators can be mounted on the



collector to operate during the dump cycle to assist baghouse discharge. Air tanks provide continued availability of air for both the reverse air pulse baghouse and vibrator system.

Where beneficial, the cone or the entire baghouse is coated with a two-part polyurethane or other specialized coatings for improved discharge capabilities, or corrosion protection.

Several other unique features are available on the VecLoader baghouse which include:

Easy access baghouse lid system (“Pop-Top”)

The material being vacuumed will determine the requirement for periodic filter bag change out. The standard magnehelic gauge monitors differential pressure. The easy access baghouse lid system makes filter changeouts far easier and faster. The lid support system allows the lid to be held and slid away from the collector for easy filter access. The need for a crane or forklift to remove and support the baghouse lid is eliminated, simplifying the logistics of both in-field and in-plant filter changeouts. Toggle clamps replace the standard bolt-down system, eliminating the need for special tools. In all, speedy access to the filters is greatly enhanced.

Modular wear sections

Users vacuuming highly abrasive material will find the VecLoader modular wear section to be a great advantage. The modular design allows for ease of replacement of the wear sections, even in the field. Maintenance turnaround and downtime is greatly reduced.

Discharge

The collector is mounted on articulated lift arms and rises hydraulically above waste containers, dump trucks, or alternative collection systems. The lift/support arms are designed to rigidly position the collector in raised positions. Adjustable safety struts provide for additional safety, support, and height variation.

For dumping of material, the system utilizes either: 1) a standard gravity dump door, 2) an optional electric driven rotary dump valve for continuous discharge during the dumping process, 3) an optional specialty double dump valve or 4) an optional system specific dumping/control device. Solid state controls are provided to automatically control the dump valve.

Other Features and Benefits

- Remote emergency stop with 100' cord.
- Complete gauge package, standard
- Heavy duty trailer, standard
- Air compressor package, standard
- Vibrator package, standard
- Screw adjusted idler for improved belt tensioning. No belt alignment required after belt tensioning. (Versus motor slide system)
- Most systems utilize a PTO/clutch for reduced maintenance.
- Micro-filter blower protection package.
- Premium grade silencers and sound attenuation packages are offered.
- Baghouse coating system and stainless cages for corrosion and abrasion control.
- Two year engine warranty.
- Two year structural warranty on trailer.
- Local service center and retail houses in many markets.

Subject to change: Not all options or standard features available on some models.

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