



performance proven **VACUUM SOLUTIONS™**

Portable Ballast Unloader and Delivery System™



Vector Technologies Ltd. and its Vacuum Engineering division have been building vacuum loaders for Roofing Contractors for over thirty years. Vector began with the concept of a trailer mounted vacuum designed to remove ballast from roofs and proudly continue our commitment to provide labor saving equipment to the roofing professional. VecLoader® 422s, 522s, 622s, 721s, Magnums and Roofers have been on thousands of roofing jobs and maintain a highly devoted following. The Portable Ballast Unloader and Delivery System has been developed as a safe and affordable system to deliver recovered or new ballast on a roof.

The Portable Ballast Unloader and Delivery System is the least expensive and safest alternative to dangerous ballast blow-back systems and is far more versatile. The Ballast Unloader is used with a VecLoader vacuum or other high-powered vacuum to deliver ballast of all sizes from the ground onto a roof, or into dump trucks, semi-trailers and roll-offs or between alternative roof locations. The system is mounted on a heavy duty skid with retractable wheels for crane, fork truck and manual placement.

Advantages versus a blowback system:

1. Safer movement of ballast from ground level, not conveying material at high velocities
2. Less breakage of ballast during delivery
3. Offers ability to move material to alternative positions on roof.
4. Cyclonic action effectively cleans ballast for reuse
5. Reduced capital investment and operating costs

Using the unit is relatively simple:

1. Position Unloader at chosen delivery location.
2. Start up VecLoader vacuum to provide vacuum power.
3. Vacuum and deliver dust-free ballast to the Unloader.

The Ballast Unloader and Delivery System concept is based upon cyclonic separation. During the vacuuming process, ballast is "intercepted" and discharged at the Unloader rather than continuing on to the vacuum. In addition to inexpensive and safe ballast delivery, another significant benefit is that the ballast becomes "dust-free" as the lighter dust, pitch and contaminates are drawn to the vacuum with only the ballast being intercepted at the Unloader.

The system consists of a cyclone hopper having either a 4, 5 or 6" diameter replaceable inlet and 1.5 cubic yard capacity conical storage. It can be matched to any large trailer or truck vacuum. The Unloader is mounted on a heavy duty skid with crane hooks and retractable wheels to provide for easy movement on the ground or roof. The wheels and tow bar are retracted using four heavy duty hand-jacks when the system is in its working position. The hopper sits on two telescoping tube legs so it can be raised over carts, drums, barrels and other collection devices. Ballast Unloader and Delivery Systems can also be positioned both in and on top of roll offs, dump trucks, semi-trailers, etc., by crane or fork truck.

Dumping is accommodated by a gravity dump system which activates when the vacuum dump cycle is initiated. Solid state controls automatically dump collected ballast on a pre-selected time cycle.

Dimensions: Length- 54", Width- 54", Transport height- 95", Raised working height- 122 1/4", Weight- 2,035#

For more information about the Portable Ballast Unloader and Delivery System or VecLoader vacuums, contact Vector Technologies at (800) 832-4010 or 1 (414) 247-7100. Or, see our Web site at www.vector-vacuums.com.

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DELIVERING MORE EFFICIENCY, FLEXIBILITY AND POWER

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