



performance proven **VACUUM SOLUTIONS™**

Vac Attack!

VecLoader® Vacuums for Catalyst Handling To 6,200 CFM/ 28" Hg/350 Horsepower Versatile Closed-Loop Systems with Exceptional Power

Vector Technologies has developed a line of trailer-mounted Catalyst vacuums for the unloading of petrochemical reactors and vessels under inert conditions. VecLoader Catalyst Vacuums are self-contained, closed-loop vacuum systems specifically configured for catalyst handling. Each model will vacuum and directly discharge catalyst product into a tote, truck, dumpster or other collection device. VecLoaders feature ease of set-up and minimal maintenance. VecLoaders Catalyst vacuum remain on the job full time without the dumping, hoisting, and other multiple handling steps required with vac trucks or other vacuum systems. All while providing the utmost in control and safety with an investment significantly below that for a vacuum truck or alternative system.



Vector Catalyst vacuums are completely self-contained, closed loop vacuum conveyance systems. Inert gas is used in lieu of ambient air to convey the recovered product and pulse the baghouse filter bags. Product is vacuumed from the containment vessel into the baghouse/receiver under controlled conditions. The inert gas and the recovered materials are then cyclonically separated within the baghouse/receiver, allowing catalyst-handling jobs to be performed with safety and operating efficiency. The collected material is discharged from the baghouse/receiver through an optional continuous double dump valve or standard gravity dump system. Transport air passes through the filter section and is drawn through the vacuum pump with the filtered inert gas being returned the containment vessel via a return hose. The Vector Catalyst vacuum can also be operated using ambient air in a by-pass mode for jobs where controlled conditions are not required.

VecLoaders feature Roots style positive displacement blowers to 28" Hg, complimented by excellent filtration. Each model shares the common attributes of being simple to use without complicated set-up and easily maintained. VecLoader's direct discharge allows the vacuum to be on the job full-time; eliminating the shoveling, hoisting, dumping, and other multiple handling steps associated with alternative systems. Material discharge can be into drums or (subject to atmospheric controls) directly loaded directly into trucks, dumpsters, or other collection devices. VecLoaders vacuum are a preferred alternative to vacuum trucks at less than 1/2 the price.

Toll Free 1(800) 832 4010

DELIVERING MORE EFFICIENCY, FLEXIBILITY AND POWER

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Model 624 can be towed with a "One-Ton"



Hopper in Partially Raised Position
Optional Gooseneck Trailer



Side View of Catalyst Nitrogen Vacuum

VECLOADER® VACUUMS (Diesel, Select Models)

Models	Mini-VecLoader 100	616 HP	624	721	6100 HP
Maximum CFM/Hg	1,340/28"	2,367/28"	3,510/16"	3,660/28"	6,150/28"
Horsepower	100	150	155	225	350
Primary Filtration	23 each 40" Coated bags Pulse air cleaned	37 each 40" Coated bags Pulse air cleaned	37 each 40" Coated bags Pulse air cleaned	37 each 40" Coated bags Pulse air cleaned	61 each 40" Coated bags Pulse air cleaned
Secondary Filtration	Pleated cartridge				
Maximum Hose Diameter	4"	5"	6"	6"	8"
Dimensions (L, W, H)	16' 1", 7' 2", 10' 0"	17' 5", 8' .5", 11' 2.5"	17' 5", 8' .5", 11' 2.5"	21'0", 8' 2.5", 11' 4"	24'10", 8' 4.0", 11' 4"
Empty Weight	8,100#	10,500#	10,500#	13,950#	22,350#
Maximum Conveying	1,200'	1,200'	600'	1,200'	1,200'
Maximum Performance/Bulk	8 tons/hr.	15 tons/hr.	18 tons/hr.	23 tons/hr.	30 tons/hr.
Maximum Performance/Liquid	100 gallons/min.	300 gallons/min.	325 gallons/min.	425 gallons/min.	600 gallons/min.

*Performance figures are averages based on easily conveyed products at shorter distances. Many factors will affect vacuum productivity.

Options and Alternative Designs:

Power: Diesel, electric, explosion resistant. **Mounting:** Road legal trailer, all terrain, skid, truck, and crane.

Unloader valves: Double dump, continuous, gravity, rotary airlock, and specialty valves. **Filtration:** HEPA, nuclear, carbon, product specific.

Accessories: Cyclone drum fillers, intermediate hoppers and separators, bagging stations, vacuum hose, specialty nozzles, and engineered solutions.

VecLoaders are extremely powerful and compact vacuum systems, incorporating innovative technology to solve a wide range of industrial vacuuming and conveyance needs. They move coal, ash, dirt, blast media, sand, stone, water, slurry and other flowable bulk materials utilizing either four, five or six inch diameter hose or multiple smaller diameter hoses. Modular in design, VecLoaders can be easily matched to a broad assortment of customer specified cyclone separators, filter-receivers, collections systems, classifiers, self-dumping hoppers and intermediate collection devices. Specifications subject to change without notice so that improvements are made as quickly as possible.

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Equipment · Parts · Rentals · Service · Solutions