



Non-Weight Sensitive VM Vacuum Lifting Systems

ANVER VM Vacuum-Hoist Lifting systems are fully integrated vacuum lifting systems designed for fast, safe, one person handling of small, compact objects.

The VM Vacuum Lifting System can handle most load surfaces of non- to semi-porous materials and is ideal for repetitive production line use, such as lifting and loading products into a box. A compressed air venturi provides the suction necessary for load holding; a rugged, electric chain hoist is used for load lifting. The chain hoist provides secure up/down movement, eliminating the possibility of load suspension failure during movement. This allows the load to hang exactly in position when set in place, with no drift.

- The VM Vacuum Hoist Lifting System is a compact, easy to use, integrated ergonomic lifting system for small load handling.
- Ideal for loading products into boxes where high air-flow is not required.

- The high vacuum level (24" Hg) makes it perfect for attaching to and lifting loads with limited surface areas.
- Load attach and release is instantaneous, as the vacuum pump and controls are located at the vacuum attachment head.
- A vacuum pad quick-disconnect feature is standard which allows fast pad attachment changeovers for greater system load handling versatility.
- Dual speed electric chain hoists with a compressed air venturi vacuum generator.
- The VM Vacuum Hoist Lifting System is ideal for lifting and handling non-porous or semi-porous heavy, dense loads weighing up to 550 lb (250 kg) that are within arm's reach of the operator.

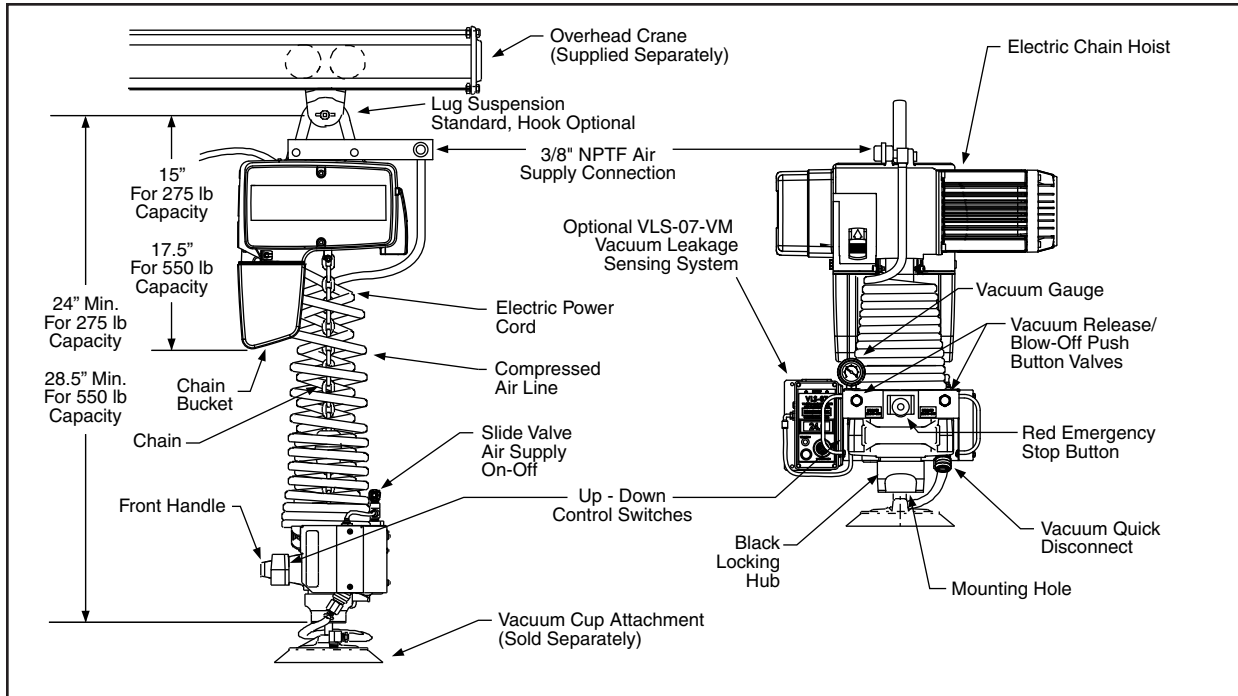
Features of the VM Vacuum Hoist Lifting System

- **Low Maintenance** Unlike other vacuum lifting systems, there are no large remote pumps, motors and vacuum supply hoses to install, festoon and maintain. An ANVER compressed air venturi vacuum generator produces the vacuum for attaching to the load.
- **Compact Design** The VM Vacuum Hoist Lifting System requires only 35 in. (889 mm) of headroom. The standard lift length is 9 ft. (2.74 m). Lower headrooms (27 in./ 686 mm) and longer lift lengths are available. Standard system lifting capacities range from 275 to 550 lb (125 to 250 kg).
- **Easy-to-use, Ergonomic Controls** The VM Vacuum Hoist Lifting System features ergonomic controls that are fully integrated and mounted on the control handle. Up and down movement is controlled by dual rocker type switches for either right or left hand thumb control. A separate push button vacuum release valve detaches the load. A vacuum gauge that indicates system vacuum level is mounted on the control for monitoring by the operator.
- **Continuous Attachment** Attachment to the load is continuous for maximum productivity. As is common with hoist based lifting units, the system is suitable for one or two lifts per minute. (For higher speed applications, an ANVER VT Vacuum Tube Lift System should be considered).
- **Dual or Variable Speed Chain Hoist** Dual hoist speeds provide maximum productivity in most lifting applications. The integrated chain hook suspension allows precise positioning of the load. Variable speed hoists are also available.
- **Overload and Power Loss Protection** A built-in slip-clutch in the first stage gear prevents hoist overload. A vacuum check valve holds the load in case of power loss.
- **Versatility** The system combines the features of a vacuum lifter with those of a hoist and can be used for either purpose. The switchover is easy and takes only a few seconds. A built-in slip clutch stops the lifter if the system is overloaded. The vacuum pad quick-disconnect feature is standard and allows for fast pad attachment changeovers for greater load handling versatility.
- **Wide Application** The VM Vacuum Hoist Lifting System is ideal for handling non- to semi-porous objects within arm's reach of the operator. A VM Vacuum Hoist system is well suited for repetitive production line material handling tasks such as loading product into boxes. Quick release couplings make it easy to change the vacuum lift head for greater versatility.

Ergonomic Vacuum Tube Lifters



Integrated Ergonomic Vacuum-Hoist Lifting System



Model Number Designation:

VM Series

Hoist Capacity

275 = 275 lb

550 = 550 lb

Lowest Speed

08 = 32 / 8 fpm

16 = 64 / 16 fpm

08 = 32 / 8 fpm

12 = 48 / 12 fpm

Voltage

230 = 230 volt

460 = 460 volt

575 = 575 volt

Generator

	Air Consumption SCFM	Vacuum Flow SCFM	Supply Pressure
09 = VR09	1.27	0.74	72.5 PSI
20 = JE20H	6.36	4.41	72.5 PSI
25 = JE25H	9.53	7.06	72.5 PSI
30 = JE30H	14.12	9.36	72.5 PSI

Can be configured so that both vacuum release blow-off push button valves must be depressed together to release load.

Air supply to be dry clean compressed air regulated to proper supply pressure.
Optional Vacuum Loss Sensor and Warning System (VLS-07-VM)