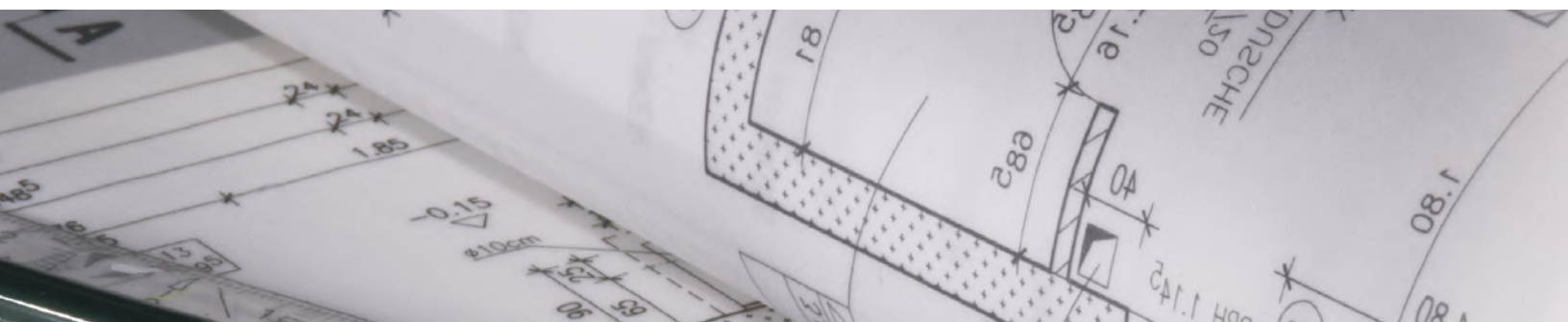




Pentalift Vertical Storing Hydraulic Dock Leveler

Safety, cleanliness, security, convenience and energy savings all in one design



Engineered for Safety

Pentalift vertical storing hydraulic dock leveler features and benefits

High strength, 55,000 psi yield checker plate deck and lip assemblies. Leveler incorporates structural "C" beams or "I" beams for deck supports.

Full width, self-cleaning, heavy wall 70,000 psi yield hinge tube. Gussets on lip and headboard hinge maximize support.

Safer power up and power down operation. Pentalift designs and manufactures it's own double acting cylinder. The deck assembly leans slightly backward with lip extended in stored position.

Hydraulic lip cylinder is designed and built by Pentalift to accurately and reliably control the operation of the lip.

Forklift run-off guards along top sides of deck.

Lockable maintenance strut.

Cylinder supply hose is rated for high pressure. It incorporates dual layer steel braiding for reinforcement, abrasion and break resistance. Hose routing and cylinder connection are protected between the cylinder and the dock leveler.

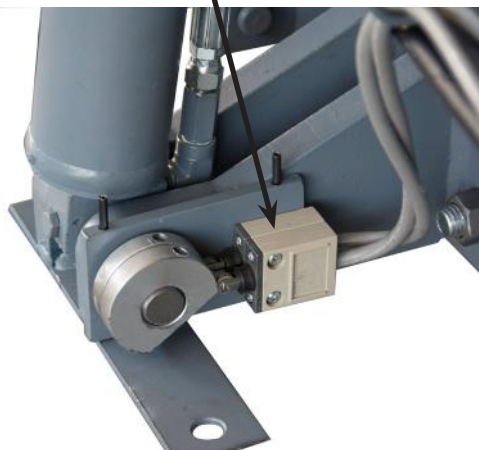
Bolt on cylinder and tilt stop base plate assembly facilitates initial set up at the factory and facilitates fast and easy on site installation set up.

Tilt stop assembly has threaded adjustment on the end for easy and precise setting and adjustment of the vertically "parked" position for the vertical storing dock leveler.

Model HDV6.5635 shown. Quantity and sizes of components and features will vary depending on the model and capacity selected.



Limit switch adjustment is easy to access and simple through the use of cams. A cover (not shown below) protects the switches and cams from debris. The cover lifts off for easy access to the switches and cams.

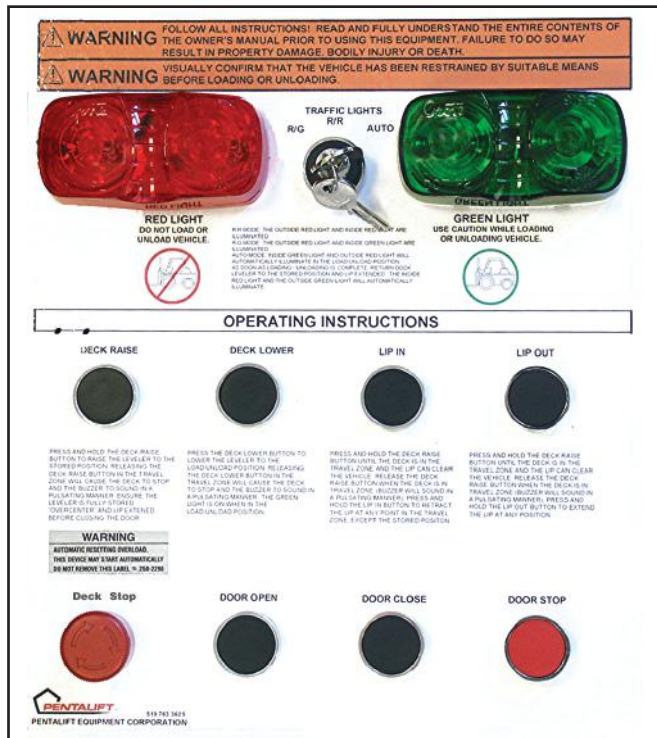


Dock leveler stores vertically for additional benefits

- Stops forklifts from falling off loading dock
- Eliminates door damage
- Stored inside the building for better environment control
- Safe, easy clean pit design
- Safer over center storage design



Safety and performance features:



Pentalift designs and assembles their own control panels to accommodate the interlocking of loading dock equipment such as a vehicle restraint system, overhead door, inflatable dock seal / truck shelter, and other loading dock equipment into one common panel.

- NEMA 12 interior push button control station
- Deck lower, deck raise, deck stop and independent lip control buttons
- Red and green operation LED indicator lights
- Separate lip in/out operation
- Master interlock control panels are available for proper use and sequencing of equipment for simplified operation and increased safety
- Can be installed on optional control stanchions away from the pit to allow for easier cleaning and wash down

Hydraulic power system

The hydraulic power unit controls the entire operating sequence of the vertical storing dock leveler. The hydraulic cylinders are manufactured and tested at the factory to ensure that quality standards are met.

- 1 ½ Hp TENV power unit
- Remote mounted away from pit area
- Double acting lift cylinder with independent cylinder to control the lip operation
- Non adjustable valve block controls entire hydraulic operation sequence
- Supplied in different voltages to meet application



Folding Curtain Seal for Vertical Storing Dock Leveler



The optional folding curtain seal results in energy savings by reducing the exchange of air between the inside and outside of the facility. The image to the left shows the curtain when the vertical storing dock leveler is in the raised position. The image to the right shows the curtain seal when the vertical storing dock leveler is lowered into position for use. The seal is weighted on the bottom. The fold allows the seal to continue to function as the dock leveler raises and lowers to meet with the trailer bed. Air exchange between outside air and interior air is minimized.

Installation style

There are two main installation styles for vertical storing dock levelers.



Continuous pit / ledge construction

Continuous pit/ledge construction improves dock area cleaning and maintenance and simplifies building design and construction.



Individual pit construction

Individual pit construction allows the space between levelers to be used for storage while still allowing the overhead door to close and seal at the pit floor.

Individual Product Catalogs are available and can also be found on our website.
Pentalift also manufactures a complete line of Lift Tables for your in plant material handling needs.

Note: Some photos may reflect products with optional features. All Pentalift Equipment Corporation products are subject to design improvement through modification without notice.

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