

RHV Series Vertical Storing Hydraulic Dock Levelers

Engineered for safety, security, environmental control and the smoothest transition in the industry.

Maximum environmental control

Overhead door closes all the way to the pit floor, providing environmental control over temperature and humidity.

Smooth transition technology

- » Ensures smooth transition between loading dock and trailer with constant radius rear hinge, two-point crown control and optimized lip chamfer design features.
- » Reduces forklift operators exposure to whole body vibration which can lead to chronic back and neck injuries.
- » Minimizes product damage.

Platform construction

- » Structural design incorporates no more than 8" (203 mm) of beam spacing under the deck to accommodate 3-wheel and 4-wheel forklift traffic.



Constant radius rear hinge



Two-point crown control

- » Designed to flex up to 4" (102 mm) under its own weight to maintain a smooth transition for forklifts on out of balance trailers.
- » ANSI MH30.1 tested and certified.

360 Degree protection

- » Safe-T-Pit™ (patent pending) provides an additional layer of pedestrian protection that disables leveler operation when personnel movement is detected in the pit.
- » Constant-contact controls allow operator to extend lip or stop platform and lip at any time during leveler travel – keeping the operator in control at all times.
- » Leveler stores over-center, reducing pressure on the hydraulic system.
- » Acts as a barrier that protects against overhead door damage.

Full-range free-float

Mechanical counterbalance valve allows leveler to float when positioned in the trailer.

Easy pit clean-out

Vertical storing position and clean frame design allows for easy pit cleaning or full wash-down.

Environmentally friendly

Hydraulic fluid is biodegradable.



*Shown with optional Rite-Hite® VHLS Under-leveler Seal.

Specifications

Nominal dimensions

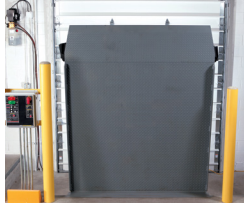
Widths	Lengths
6' (1829 mm)	5' (1524 mm)
6'6" (1980 mm)	6' (1829 mm)*
7' (2134 mm)	8' (2438 mm)

*Consult Rite-Hite® for Drive-Through Application lengths.

Operation

Fully hydraulic. The movement of the leveler ramp and lip is controlled electro-hydraulically from a NEMA 4X rated push-button station. Pushing a button on the control box shall lower and/or raise the unit.

Constant pressure is required for ramp movement; ramp shall not lower by gravity alone. The lip can be extended at any time during the cycle from the push-button station; end-loading and below-dock end-loading position is obtained without recycling the leveler.



Remote power-unit (optional).

Standard features

- » Capacity is to be determined by the Dock Leveler Investment Guarantee (DLIG). Consult your Rite-Hite Representative for details.
- » Exclusive Smooth Transition technology design.



Safe-T-Pit™ (patent pending)

- » Optimized lip chamfer increases smoothness from trailer to leveler by 20 percent versus traditional design.
- » Power-up/power-down electro-hydraulic system.
- » Constant-pressure push-button controls keep operator in control of platform at all times.
- » Infinite lip control allows operator to extend lip any time during leveler travel.
- » Non-adjustable hydraulic velocity fuse limits platform freefall.
- » Clean frame design.
- » Structural design incorporates toe deflectors into underside of the platform.
- » Integral maintenance strut is provided to support the leveler for added safety during maintenance.
- » Run-off guards (for continuous pits).
- » (2) 12" x 15" x 4" (305 mm x 381 mm x 102 mm) laminated dock bumpers.
- » 16" (406 mm) long lip is standard.
- » Entire unit receives a two-coat paint process, color is gray.
- » Biodegradable hydraulic fluid.
- » 12-month money-back satisfaction guarantee.
- » Five-year parts and one-year labor warranty. All warranties subject to standard limitations on liability.

Hydraulics

The leveler is powered by an integral 1-1/2 GPM electro-hydraulic power unit, with submerged hydraulic pump and direct-connected reservoir. The system is controlled by two (2) solenoid valves.

Electrical

The enclosed non-ventilated 1-Hp motor is 208/240V or 440/480V 3 phase. All electrical components, connections, wiring and control box are UL listed or recognized. *Please note: Unless specifically noted on quotation, all electrical, including hookup, is the responsibility of others.*

Leveler features

The available capacity options are:

C D F G

16" (406 mm) Lip (non-Safe-T-Lip®)

18" (457 mm) Lip (non-Safe-T-Lip)

20" (508 mm) Lip (non-Safe-T-Lip)

Side access brace

Spray metalized

Stainless steel hinge pins

Under-leveler seal: Yes No

Drive-thru application: Yes No

Pit style: T-Style Continuous

DLIG Warranty

Up to 10-year structural and hydraulic warranty, based on signed DLIG.

Special ramp surface

Remote power unit

Safe-T-Pit™ (patent pending)

Bumper brackets



Voltage:

Single Phase _____

3-Phase _____

Bumpers _____



Improve environmental control and security with Drive-Thru.



VHLS Under-leveler seal for sanitation.

Client Info

Customer Name: _____

General Contractor: _____

Quantity: _____

Date: _____



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