

# 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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