

RHV SERIES

VERTICAL STORING HYDRAULIC DOCK LEVELERS

Better environmental control

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

Smooth transition

Smooth transition between loading dock and trailer, reducing jolts to forklift operators and minimizing product damage.

Constant-pressure controls

Allow operator to extend lip or stop platform and lip any time during leveler travel – keeping the operator in control at all times.

Overhead door protection

Creates a barrier that can help protect against overhead door damage.

Easy pit clean-out

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

Full-range free-float

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

Tilt-back control

Leveler stores over-center, reducing the pressure on the hydraulic system.

Environmentally friendly

Hydraulic fluid is biodegradable.



ENGINEERED FOR SAFETY, SECURITY,
ENVIRONMENTAL CONTROL AND THE SMOOTHEST
TRANSITION IN THE INDUSTRY.

Shown with optional Frommelt Under-leveler Seal.



Smooth rear transition



Two-point crown control

RITE-HITE®



Rite-Hite's Drive-Thru Application helps maintain your facility's interior climate and provides better security.



Frommelt's® VHLS Under-leveler Seal helps control energy loss and prevents dust and debris from entering the pit (optional).



Remote power unit (optional).

Nominal dimensions

Width	Length
6' (1830 mm)	5' (1350 mm)
6'6" (1980 mm)	6' (1830 mm)*
7' (2110 mm)	8' (2440 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 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.

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. The electrical system is controlled by a NEMA 12 push-button station. 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.

Standard features

- ▶ Capacity is to be determined by the Dock Leveler Investment Guarantee (DLIG). Consult your Rite-Hite® Representative for details. Standard RHV capacities: C, D, F and G.
- ▶ 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" laminated dock bumpers.
- ▶ 16" (406 mm) long lip is standard.
- ▶ Entire unit has one-coat gray enamel paint.
- ▶ 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.

Optional features

- ▶ Up to 20-year warranty, based on the Dock Leveler Investment Guarantee (DLIG). Contact your Rite-Hite Representative for details.
- ▶ 18" (460 mm) or 20" (500 mm) lip.
- ▶ Special ramp surface.
- ▶ Remote power unit.
- ▶ NEMA 4 control box.
- ▶ Single-phase power.
- ▶ Overhead door interconnect.
- ▶ Reduced lip crown.
- ▶ Bumper brackets.
- ▶ Rite-Hite Dok-Lok® Vehicle Restraints.
- ▶ Optional Frommelt VHLS Under-leveler Seal provides a tight seal against the pit floor when leveler is in use to help control energy loss as well as prevent dust and debris from entering pit.



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