

Vertical VS Series

hydraulic vertical dock leveler

BLUE GIANT®

Increase security, safety, cleanliness and productivity while reducing energy loss and door damage.

Features

- The dock is stored in the vertical position behind the overhead door allowing for a complete energy efficient seal.
- Allows overhead door to close completely.
- Help improve facility; temperature control humidity control reduce door damage increased security improve cleanliness.
- **Blue Genius™ 24v Touch Controls**
- Constant pressure style down button ensures controlled lowering during operation.
- 1 HP motor.

Structural integrity

- One-piece hinge pin.
- Heavy-duty 6" x 4" wide flange structural I-beam deck support.
- Six rear vertical supports.
- Structural warranty based on application usage.

Hydraulic system

- Double-acting lip cylinder.
- Hydraulic fall safe.
- Automatic vertical compensation when in working range.

Operator controls

- Easy downward activation, "operator controls descent".
- Independent lip control.
- Maintain "up" pressure to store leveler prior to truck departure.

Maintenance features

- Maintenance stand, supports deck for safe underdeck inspections and maintenance.

Optional associated products

- Vehicle restraint.
- Exterior lights communications package.
- Wheel chocks.

▲ CAUTION
Move on
green only

▲ CAUTION
no avoM
ylno neerp



To meet OSHA and ANSI requirements and to minimize legal/insurance issues, the use of wheel chocks (at a minimum) is mandatory anytime loading equipment is used at the dock to load/unload vehicles. However, with the high overall cost of wheel chocks and their limited effectiveness, we recommend the OSHA accepted alternative to chocks, the mechanical means of securing trucks in position to the dock. Blue Giant recommends leading technology in their power activated vehicle restraints. Maximize your employee safety while providing your company a modern, safe loading dock area.

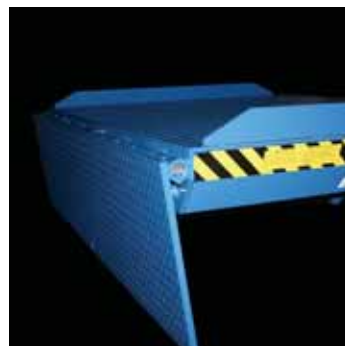
Blue Giant dock levelers are designed and built to withstand years of rugged use with minimal maintenance while still providing easy, dependable, and safe operation. They have been proven on thousands of loading docks around the world under the most demanding conditions.



Shown with barrier protection



Easy clean pit



3" high run-off guards



Blue Genius™ Controls

Vertical-VS Series Hydraulic Dock Leveler

Model VS-FH

Hydraulic vertical dock leveler shall be Model _____, unit nominal size to be _____ wide x _____ long, as manufactured by Blue Giant Equipment Corporation 85 Heart Lake Road South, Brampton, Ontario, Canada L6W 3K2.

Operation

Hydraulic operating system: Hydraulic operation for quiet, dependable, smooth cycling and safety. The vertical dock leveler ramp is controlled from a remote touch button station.

Activation functions to be as follows;

Release of down and up functions will stop the vertical dock leveler deck movement immediately.

Lip control function allows dock attendant to extend the lip from any position.

Includes means of lowering the dock ramp below dock level with lip retracted and behind dock bumpers. Unit shall come complete with a 1 HP motor.

Power unit is provided for remote mounted installation and comes with wall mounting bracket and 18' of hydraulic hose.

Touch Controls: NEMA4X control station CSA/UL

approved. Please specify electrical requirement:

Three Phase Single Phase

(Ranges of voltage, 115 - [110-130], 208-240v, 380-415v, 440-480v, 575-600v)

Automatic vertical compensation and vertical travel:

Working range of 12" above and 6" below dock level.

Automatic lateral compensation: Leveler shall have deck flex to compensate for non-level trailer beds. Rear hinge fixed and does not come up above floor level.

Rated capacity: All units rated in compliance with ANSI.

30,000lb 35,000lb 40,000lb 50,000 lb

Construction

- Manufacture in welding procedure compliant with A.W.S.D.1. 98 specifications.
- Deck and lip constructed out of high tensile steel.
- Checker deck tread plate.

MODEL	DECK WIDTH	DECK LENGTH w/16" LIP	PIT SPECIFICATIONS		
			WIDTH	LENGTH	DEPTH
VS605FH	72"	60"	continuous	45 1/2"	10 1/2"
VS606FH	72"	72"	continuous	57 1/2"	10 1/2"
VS608FH	72"	96"	continuous	81 1/2"	12"
VS705FH	83"	60"	continuous	45 1/2"	10 1/2"
VS706FH	83"	72"	continuous	57 1/2"	10 1/2"
VS708FH	83"	96"	continuous	81 1/2"	12"

For metric conversion to mm, multiply inches by 25.4.
For conversion to kg, divide lb by 2.2.

Standard accessories

- Rear frame supplied with vertical leveler for embedment into concrete.
- 16" long lip is provided as standard.
- Two laminated DB412 bumpers 14"W x 20"H x 4.5"D.

Safety devices

- Mechanical lock mechanism to lock dock in vertical position.
- 3" High run-off guards standard.
- Hydraulic fall safe (velocity fuse) to limit free fall.
- High visibility OSHA yellow maintenance strut integral to unit.
- Beveled lip.

Finish and color

Unit to be painted blue. High visibility OSHA safety striping on beveled toe guards.

Warranty

Standard one-year parts and labor and ten-year structural from date of shipment. Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at <http://www.BlueGiant.com> for full details on warranty information and product registration.

Optional accessories

- 18" Lip 20" Lip
- Raised bumper brackets
- Combo control box for future interlock operation of vertical leveler and vehicle restraint
- Release chain draft plug
- Hot dipped galvanizing; Deck Rear channel
- Stainless steel hinge pins; Lip hinge Rear hinge
- Arctic oil Biodegradable oil
- Door interlock photo sensor Indoor/outdoor traffic lights



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BLUE GIANT EQUIPMENT CORPORATION

BLUE GIANT offers a full line of Loading Dock Equipment including Dock Levelers, Vehicle Restraints, Dock Seals and Shelters and Material Handling Solutions. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact BLUE GIANT for latest information. Some features illustrated may be optional in certain market areas.