

Vertical Dock Leveller



The Compact and Versatile

Vertical Dock Leveller by Safetech

Installation

The Perfect Fit, Shelf or Pit

Safetech's Vertical Dock Leveller can be safely installed either on a shelf or in a pit.

Both installations provide the same energy efficiencies and ease of maintenance. So with either choice, the energy saving alone means a positive return on your investment in a short time for a long time.



Shelf Installation

The Safetech Vertical Dock Levellers are installed along the edge of a continuous shelf that runs the full length of the loading dock.

- Provides continuous access.
- Easiest application to clean and maintain.
- Simplifies architectural design and construction.
- Custom stanchions and protective bollards available for controls.

Pit Installation

In pit-style installations, each Tieman Vertical Dock Leveller is mounted at the back of a rectangular pit behind the insulated doors, leaving the pit floor accessible for quick and easy access for routine inspection, housekeeping and maintenance.

- Allows extra space between levellers for product staging and storage.
- Maintains a clean, uncluttered workplace.



Warehouse Environment

When Climate Control is Key

A growing number of companies are operating climate-controlled facilities.

Safetech Vertical Dock Levellers directly contribute to environmental efficiency, security and cleanliness allowing you to take control of your warehouse.

- **Control the Environment**

When installed with insulated doors, dock seals or inflatable shelters, energy management programs cannot be compromised by air infiltration through the leveller or the hinged bottom pad.

- **Control Safety**

Leveller stops instantly if lower or raise button is released.

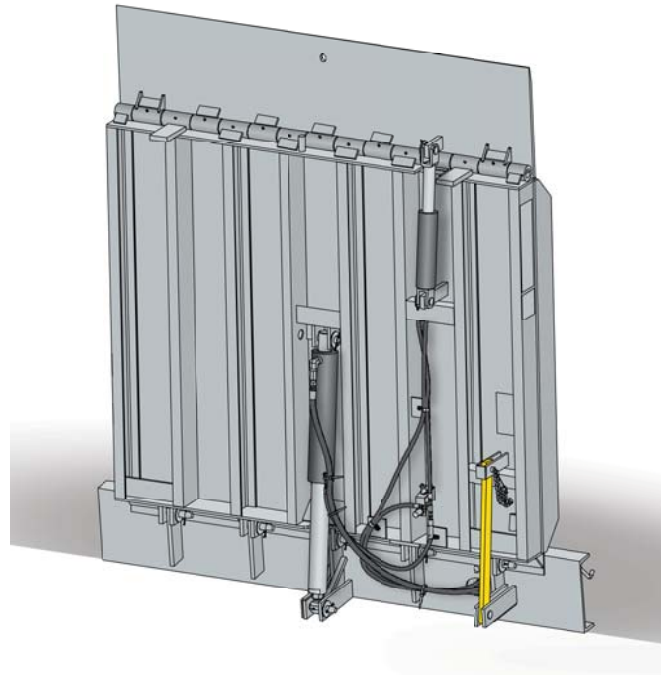
Maintenance / Safety strut located within easy reach without having to stand under the leveller.

- **Control Cleanliness**

Allow quick, unobstructed access to the pit or shelf for easy cleaning from inside the building.

- **Control Security**

Leveller is stored vertically, providing a tight seal around the doorway, eliminating potential entry and pilferage



Points of Difference

- No fixing to pit floor all fixing is to vertical face, no shimming required.
- Much easier to clean, pit floor is totally clear of any obstructions.
- The leveller comes complete with a remote mounted hydraulic power pack. The pump, motor and solenoid valves are mounted inside the building, protected from the elements, forklift damage, chemical wash downs, shocks and vibration.
- Dual acting load lip, this enable end unloading.
- No Electrics in pits, this eliminates impact and wash damage.
- Power-in / power-out lip cylinder provides superior operational control throughout the complete raising and lowering operation compared to conventional "gravity fall system".
- Maintenance / Safety strut located within easy reach without having to stand under the leveller.
- Standard bottom pad which restricts air infiltration when the leveller is operational. The pad fold and does not compress increasing life and reducing maintenance.

Specifications

Operation	Raise and lower buttons lip in and out buttons emergency stop button (Mushroom type).
Deck Width	2135mm width nominal between platform guides.
Deck Length	VSL 6700: 1800mm length nominal. VSL 8700: 2100mm length nominal.
Lip Length	510mm nominal.
Nominal Overall Travel Up	150mm.
Nominal Travel Down	150mm.
Side to Side Cross Tilt	100mm maximum.
Capacity	18,181kg.
Type of Installation	Pit or Shelf.
Pit Details	Refer to Pit Drawings.
Dock Bumpers	Four (4) 100mm thick solid rubber.
Kerb Angles	Rear and front cast in galvanized angle (supplied by Safetech installed by others).
Finish	Rust inhibitor primer followed by grey enamel paint finish.
Run Off Gaurds	100mm high.
Power Pack Location	Remote mounted Power Unit, Valves & Solenoids with mounting brackets – 7300mm Hydraulic Hoses.
Controls	Via master control unit with raise, lower, lip in, lip out, mushroom style stop, amber & green illuminated operation indicator lights. PLC Programmable Controller.
Power Requirements	415 Volt (3 phase) Isolating switch on wall by others.
Loading Lip	<ul style="list-style-type: none"> • 510mm long x 16mm thick safety checker plate steel. • 50,000 PS, yield steel safety plate with beveled leading edge.
Decking	<ul style="list-style-type: none"> • Thickness 6mm safety checker plate steel. • Deck supported by channel beams. • Structure beams fully welded to front header. • Rear frame minimum 22,000kg rated capacity & shell have three (3) 25mm diameter hinge pins.
Cylinders	<ul style="list-style-type: none"> • Main cylinder minimum 90mm Diameter bore lip cylinder to be minimum 65mm diameter bore. • All weather hydraulic fluid with viscosity of 15cst at 40 degrees.

More Information



DOCK PRODUCTS BROCHURE

For more information about our full range of Dock Products, including popular items such as:

- Shelters
- Seals
- Wheel and Trailer Restraints
- Pit Box's
- Control Panels

Plus much more.. Contact your local sales representative for a copy.

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