



HDL

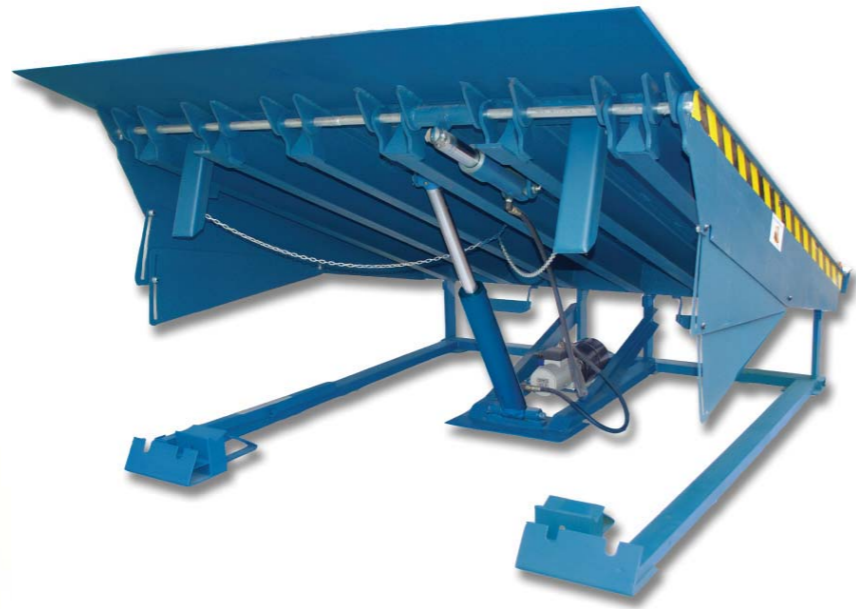
Hydraulic DockLevelers

Introduction of Hydraulic DockLeveler

Sucus's hydraulic docklevelers create a perfect, safe and user-oriented bridge between the work floor in the building and the floor of a truck. When loading or unloading, materials handling equipment can be manoeuvred in and out of the vehicle across an even surface, continuously and in perfect safety.

Hydraulic dockleveler to be complete package, including unitized motor and pump assembly, integral support strut and lip lock, full operating range toe guards, and two heavy-duty dock bumpers as standard. To meet EN1398 standards.

Hydraulic dockleveler is the most frequently and widely used dockleveler at present. It is characterized by stable performance, easy-to-use operation, low maintenance rate and simplicity for repairing.



Components and construction

The Hydraulic Dock Leveler is built up of the following components

1.Platform Assembly

Platform to be constructed of unitized, robotically welded high tensile steel safety tread deck plate. Exclusive "I" beam deck supports optimize twist resistance and stress distribution. Deck to be on 8-15Tons static capacities; on 5-10Tons dynamic capacities.

2.Lip Assembly

Lip to be 5/8"(16mm) thick, 153/4" (400mm)length. Self-cleaning lug-style lip hinge. All units to be tensile steel safety tread lip plate with chamfered leading edge. Lip rod to be a minimum of 1"-1.2"(25-30mm)solid steel on all capacities.

3.Open Subframe structure

All Sucus docklevelers are built with an open frame design to provide easy access to the pit floor for routine cleaning and scheduled maintenance.

4.Power Unit

Power unit is an electric hydraulic pump and valve assembly. Power unit is mounted to unit subframe (elevated off pit floor).

5.Electrical

Available in 380V/50Hz/0.75Kw or 220V/50Hz/1.1Kw. Built-in motor overload protection as standard.

6.Hydraulic

Main cylinder minimum 2-1/2"(63mm) inner diameter bore;lip cylinder 2"(50mm)inner diameter bore. All weather hydraulic fluid with viscosity of 15 cSt at 40°C(100°F). Totally enclosed non-ventilated hydraulic pump and motor assembly with single hose to cylinder for longer life and lower maintenance costs.

7.Control Panel

Heavy-duty, single push-button activation. Optional A.R.T.D. and interlocking with other dock equipment available for added safety.

8.Safety Legs

Automatic 60,000 lbs. (28tons) structural dock level support legs. Drop tested to the full rated capacity of the dock leveler.

9.Toe Guard Protection

Full operating range toe guards with two galvanized sliding guards (yellow OSHA required markings) provided on the sides of the dock leveler.

10.Integral Support Strut & Lip Lock

A permanently mounted support strut and lip lock are provided to support the lip and leveler during routine maintenance and pit cleaning.

11.Float Compensation

Allows for vertical carrier deflection when lip is in contact with truck bed.

12.Bumpers

Unit to include two heavy-duty dock bumpers model B300-250F, 10" x 12"(250mm x 300mm).

Option

1.OEM

We can produce according to your special requirement.

2.rubber bumper

All sizes of rubber style,layered style bumper and steel made bumper available.

3.industrial integrated control casing

Industrial integrated control casing work along with sucus sectional doors or rapid doors can achieve interlock

4.emergency stop system

Anytime,you can stop the operation by pushing the red stop button.

5.transition column plate design

Platform transition column column plate can use chamfer angle or assit lateral plate design to meet different carriage inside dimension..Standard specification for transition column plate is 400mm.We can also 450mm and 500mm's non-standard specification ones to meet high bearing requirement.

6.preplace foundation pit component

It's more efficient,economical and simpler than the traditional foundation pit pouring procedure and it completely eliminate inaccuracy.

7.installation mold

all installation mold available to meet different clients' needs.



Hydraulic System

Designed For Improved Safety

SUCUS HYDRAULIC DOCK LEVELERS MODEL 650 are equipped with a unique, safety stop solenoid valve, which can interrupt the flow of hydraulics to stop the dockleveler at any stage of operation and is effective even when power is disconnected. Sucus Hydraulic docklevelers also come standard with a patented hydraulic velocity fuse built into each cylinder, which restricts free-fall of a loaded ramp to three inches, should a truck pull away from the dock prematurely.

Sucus hydraulic cylinders are positioned at the front of the deck to provide more even distribution of the load weight, especially in freefall situation. Many other hydraulic systems place the hydraulic cylinder in the center of the deck, putting enormous strain on the front of the dockleveler. Additionally, the chrome-plated cylinder rods are protected under the deck structure, far away from the pit floor and safe from dirt, debris and potential damage.



