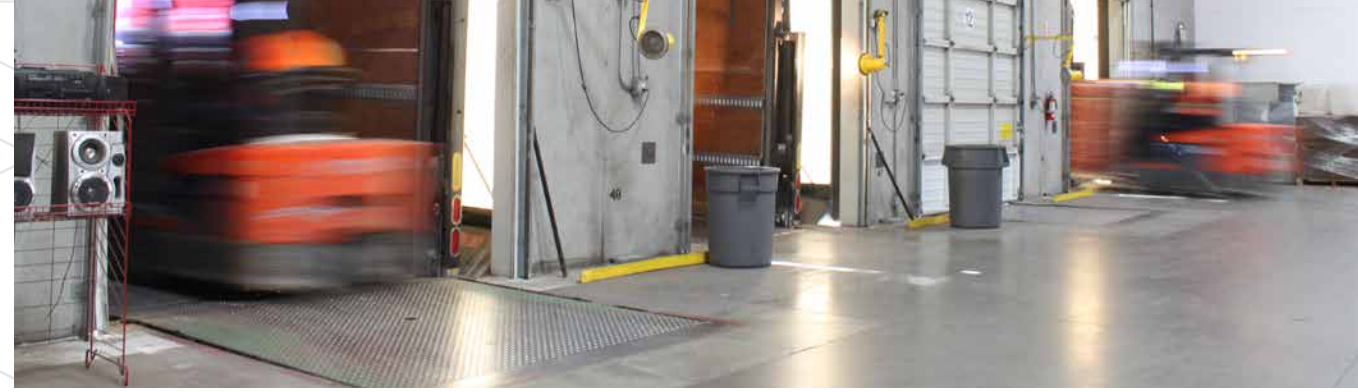


HYDRAULIC DOCK LEVELER

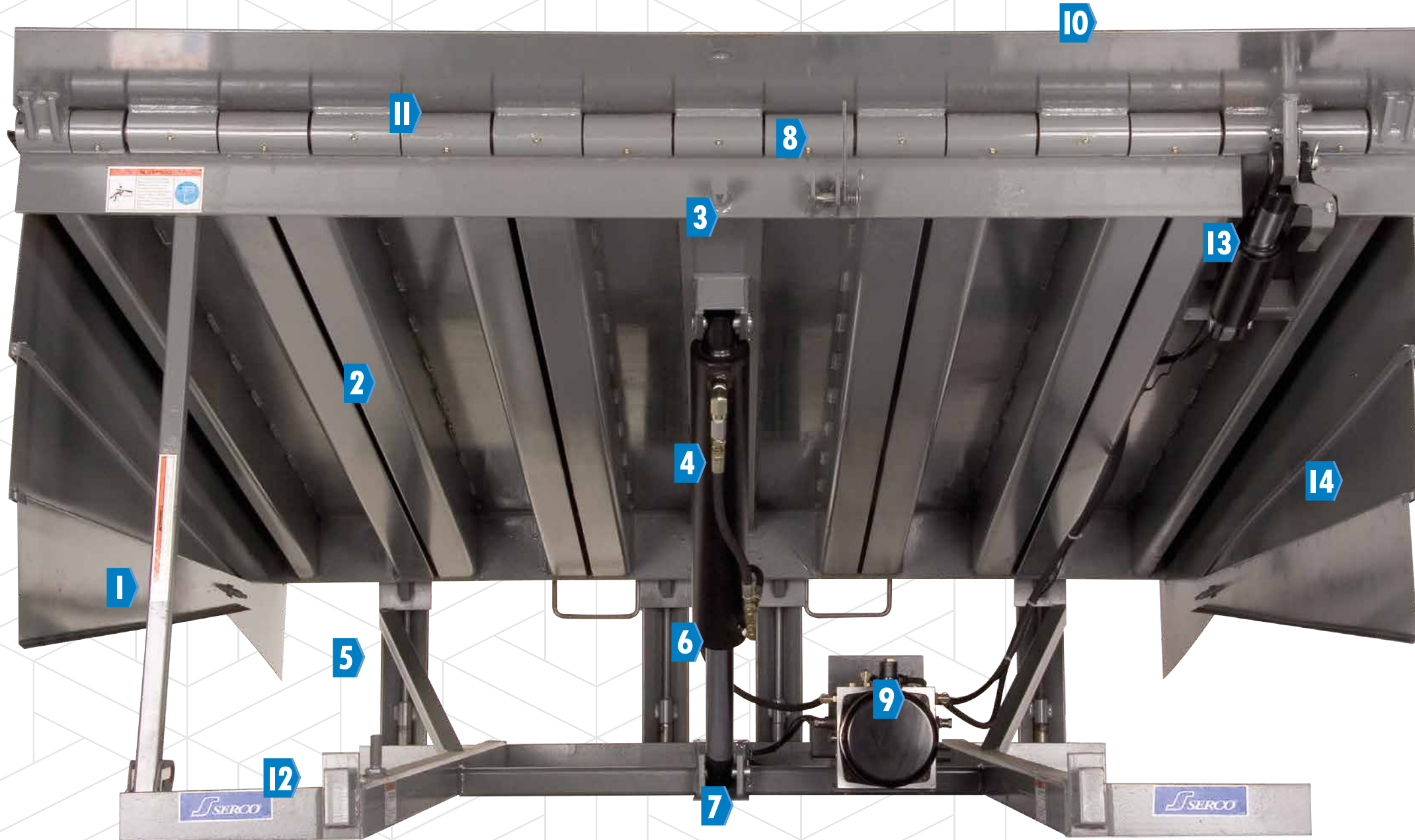


Serco Hydraulic Dock Levelers are designed to handle the fast pace of busy loading docks. With unique design features and state-of-the-art hydraulics, these dock levelers are built to last.



THE SERCO HYDRAULIC LEVELERS MEET DOCK CHALLENGES DAY-IN AND DAY-OUT

Serco Dock Levelers — HL Series, HFC Series, HD Series and the VERSA Series—are designed to handle the fast pace of busy loading docks. Advanced hydraulic technology and standard features like regenerative hydraulics, HYDRA MAX® Control Lip System and unique open-frame designs keep productivity high and maintenance costs low. Serco Hydraulic Dock Levelers meets the demand of the busy loading dock and delivers safety, convenience and reliability. The patented SafeTFrame provides exceptional structural support. Available in capacity ratings from 30,000 to 80,000 pounds.



PRODUCT DETAILS

- 1. Integral Support Strut:** Keeps ramp raised for routine maintenance and cleaning. Mounted to frame; lock out, tag out capable.
- 2. Patented Split-box Beam Design:** Provide added strength and ability to conform to out-of-level conditions resulting in less wear and fatigue.
- 3. Structural Center Deck Support:** Center beam support to reinforce leveler for 3-wheel forklift truck traffic.
- 4. Regenerative Hydraulics:** Mounted at front of ramp for maximum strength and efficiency. It is equipped with non-adjustable safety velocity fuse.
- 5. Exclusive SafeTFrame™:** Provides superior structural support and level interface with warehouse floor.
- 6. Inverted Hydraulic Cylinder:** Eliminate damage due to debris and dust.
- 7. CLEAN FRAME® Pit Design:** All hydraulic dock levelers are built with an open frame, clean pit design to provide easy access to the pit floor for cleaning and scheduled maintenance.
- 8. Integral Lip Support Latch:** Support the lip during maintenance cleaning.
- 9. Hydraulic Power Pack:** Can also be remote-mounted on the wall or on custom stanchions located between the docks
- 10. Reinforced Lip:** Made with high tensile steel safety tread plate with beveled leading edge.
- 11. Grease Fittings:** opens under pressure to allow lubricant to pass through the lip hinge tubes.
- 12. Nite-Lock:** Permanent “Nite-Lock” to prevent unauthorized entry beneath locked overhead door.
- 13. Patented HYDRA MAX®:** Powered in and powered out lip activation for easier lip placement and reduced maintenance.
- 14. Full Range Telescoping Toe Guards:** For maximum safety and strength, toe guards are welded into place and have OSHA safety yellow markings per ANSI standards.

STANDARD FEATURES

- Exclusive SafeTFrame® design provides superior structural support and durability
- HYDRA MAX provides powered in and powered out lip activation for easier lip placement and reduced maintenance
- Regenerative hydraulics system reduces maintenance and boosts productivity
- Below dock end loading capability
- Hydraulic velocity fuse prevents the leveler from free-fall anywhere in its working range
- Split-box beam design adds strength and ability to conform to out-of-level conditions (40K and higher capacity models only)
- Open-frame design for easy pit cleanout
- Full operating range toe guards for safety



SUPERIOR HYDRAULICS

Serco hydraulic dock levelers utilize a totally enclosed, non-ventilated, regenerative hydraulic system. Old systems expose the cylinder to air, moisture and oxidation, but Serco's regenerative system bathes the entire cylinder in oil in the stored position, eliminating rust in the cylinder and wear on the seals.

Many other hydraulic systems place the hydraulic cylinder in the center of the deck, putting enormous strain on the front of the dock leveler. Serco hydraulic cylinders are positioned at the front of the deck to provide even distribution of the load weight, especially in a free-fall situation. Additionally, the chrome-plated cylinder rods are protected under the deck structure, well above the pit floor and away from dirt, debris and potential damage.

DESIGNED FOR IMPROVED SAFETY

Serco hydraulic dock levelers come standard with a 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. A stop button with unique safety stop solenoid valve comes equipped on Serco hydraulic dock levelers, which can interrupt the flow of hydraulics to stop the dock leveler at any stage of operation.

HYDRA MAX® CONTROL LIP SYSTEM

HYDRA MAX improves dock safety, reduces maintenance and increases the working life of the leveler by combining the benefits of a gravity-fall lip and power-in lip control using a double-acting cylinder that ensures the leveler completes its proper functions in all operating cycles.

SAFE T FRAME

A SAFER, STRONGER DOCK LEVELER

For decades all dock levelers installed in a concrete pit have required an installer to place and weld steel shim under the rear frame in order to level the device and provide long-term support. This conventional process can lead to install errors as installers are often working under the dock leveler in a cramped environment and may not use the correct size shim and/or weld the shim properly. The result... the dock leveler can suffer structural fatigue which may lead to expensive repair or replacement.

DESIGN ADVANTAGES:

- Greater structural strength & durability
- Eliminates installation issues common with conventional dock levelers
- Ensures level transition from warehouse floor to dock leveler
- Eliminates premature structural fatigue due to improperly shimmed/installed dock leveler



FULL RANGE CONTROLS OPTIONS



PUSH BUTTON CONTROL

Serco hydraulic dock leveler functions are controlled through a standard NEMA 4X control panel. The operator pushes the button to raise the ramp. When the button is released, the dock leveler descends into position.

SERCO DIGITAL MASTER CONTROL PANEL WITH HMI

Managing your loading dock operation as an integrated system is key to ongoing dock safety. The digital master control panel requires dock workers to operate equipment through a guided sequence, minimizing operator error, training time for seasonal staff and turnover rates.

Optimize the performance of your loading dock by staying on top of your equipment with regularly scheduled data assessments that actively log usage rates, troubleshoot, and review dock performance.

SERCO HYDRAULIC DOCK LEVELERS

HL SERIES

The Serco HL Series hydraulic dock leveler makes hydraulic operation simple with a variety of features to create a safe and efficient working environment for your loading dock. Standard features on our hydraulic dock levelers include single push-button activation, patented HYDRA MAX power-in/power-out lip control, integral maintenance strut and more.



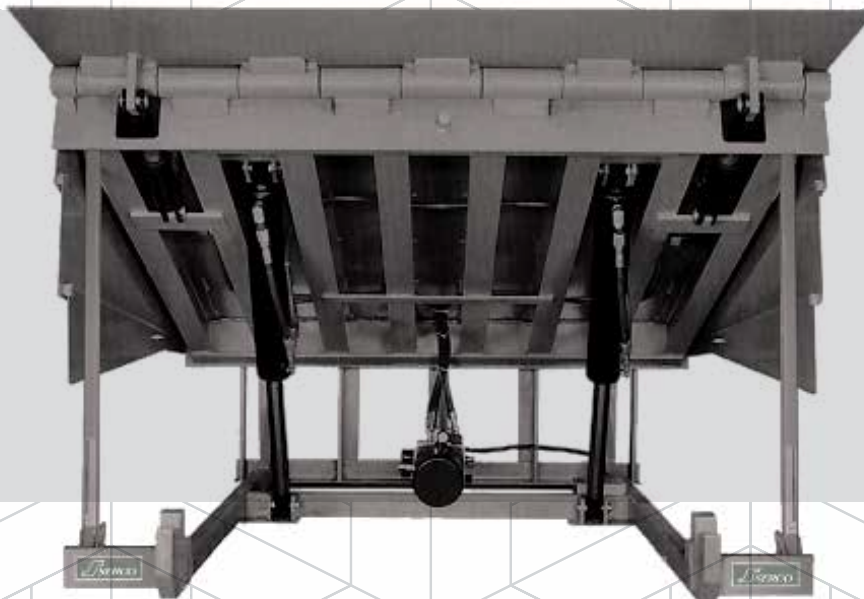
HFC SERIES

This full-featured pit-style leveler is the most automated dock leveler on the market. The Serco HFC Series hydraulic dock leveler includes standard features like the exclusive SafeTFrame® design and patented HYDRA MAX power-in/power-out lip control, along with auto return-to-dock functionality and quick cycle lip extend. An interlock capable push-button control panel and mushroom-style stop button improves safety and in full control.

HD SERIES

Have a heavy load? The Serco HD Series Heavy Capacity hydraulic dock leveler is specifically designed to support the movement of large volume or heavy materials in even the most demanding environments, making it ideal for the paper, steel and auto industries.

The HD Series hydraulic dock leveler is available with two main and lip hydraulic cylinders, five-position rear hinge with steel bushings and velocity fuse safety system.



VERSADOCK™ SERIES

The patented Serco Versa Series hydraulic dock leveler is flexible enough to handle conventional loads as well as below-dock end loads into high-cube (low-boy) trailers at a single dock position. The Versa series hydraulic dock leveler is 9 feet wide — large enough



to accommodate truck beds that exceed the 12" reach of conventional levelers and which makes forklift maneuvering possible for extra-wide loads. This dock leveler incorporates the proven features of conventional Serco hydraulic dock levelers, along with the addition of hydraulically positioned steel-faced vertical bumpers.

STANDARD FEATURES:

	HL	HFC	HD	VERSA
Standard 16" (406 mm) lip	■	■		
Standard 18" (457 mm) lip			■	■
Automatic Retracting 60,000 lbs. (27,215 kg) Structural Support Legs	■	■		
Weatherseal				■
Integral Maintenance Strut & Lip Support Latch	■	■		
Dual Integral Maintenance Strut & Lip Support Latch			■	■
Safety Barrier Lip Option		■	■	■
Heavy-duty Dock Bumpers	■	■	■	
Integral Steel Faced Bumpers				■
Grease Fittings			■	■
Full 9' Wide Below-dock Access				■
NEMA 4X Push-button Control Panel (Non-Interlock Capable)	■	■	■	
Steel NEMA 12 Push-button Control Panel (Interlock Capable)				■
Independent Hydraulic Lip Control (Quick Cycle)				■
Powered In and Out Lip Extension Control			■	■
Mushroom-style Stop Button		■		■
Single Phase or Three Phase Power	■	■		

DOCK GUARD™ BARRIER LIP

The Serco DOCK GUARD Barrier Lip is designed to prevent accidental roll-off. In a stored position, the leveler lip extends above the deck providing a full-time solid steel barrier. In the extended position, the lip remains flush to the leveler deck. The DOCK GUARD Barrier Lip leveler's hinge is stronger than competitive models and requires no additional maintenance.

FEATURES

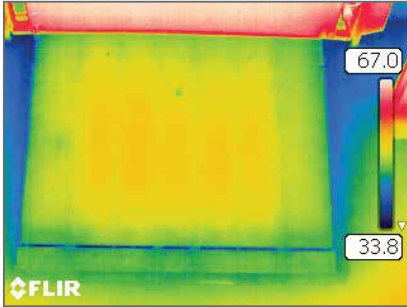
- 400% stronger lip than conventional levelers
- 700% stronger than most competitive models
- Can withstand impact from a 10,000-lb. forklift at 4 mph
- Solid construction is stronger than slotted lip designs and eliminates extra maintenance
- Full-time safety at and below dock level



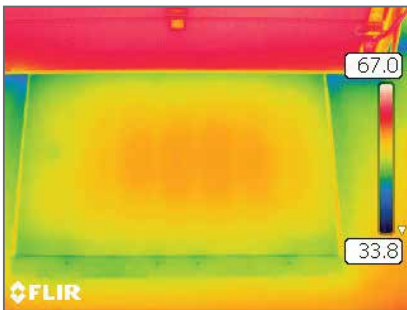
Many features are available as options on these models

GUARD AGAINST ENERGY LOSS

Energy Guard® prevents energy loss by providing a superior perimeter seal along the sides and rear of the leveler and blocks dirt, debris & insects from infiltrating the loading dock. The innovative design closes off the gaps between the dock leveler and concrete pit walls, preventing the mass flow of air into and out of the facility and minimizing energy loss. Energy Guard is a factory installed option available on all dock levelers.



BEFORE: Hot or cold air can easily transfer through perimeter gaps.



BEFORE: Hot or cold air can easily transfer through perimeter gaps.

DESIGN ADVANTAGES

- Seal assemblies rotate rather than scrape the pit wall to reduce wear and increase effective life
- Expanded sealing range creates an effective perimeter seal up to 9" above dock level
- Rear hinge seal assembly's durable 2-ply material flexes during operation to block air flow at the rear
- Design leaves access to the pit clear for cleaning and dock leveler inspections
- Factory Installed – No field installation or pit mounted hardware
- Design avoids risk of fabric being cut, torn or damaged by trailers or debris resulting in expensive replacement
- Unrestricted access to pit for cleaning and dock leveler inspection. No curtains or fabric blocking access to the dock leveler and pit



DON'T JUST OBSERVE IT, LIVE THE EXPERIENCE.

Serco® leads the industry in specialty dock levelers, safety products and programmable control systems, offering a comprehensive portfolio of loading dock and warehouse solutions. We are delighted to invite you to our 6,000 square foot showroom, known as the Academy in Carrollton, Texas. The Academy gives you a very special opportunity to get to know our products in person. Gain hands on experience and enjoy one-on-one interaction with our engineering and manufacturing team in this state-of-the-art facility.



CAN'T MAKE THE TRIP TO DALLAS?

Let our Mobile Academy come to you. Our 53' completely enclosed and temperature-controlled trailer features over 25 full-sized, fully-functional dock equipment demo units. Call 1-877-778-DOCK (3625) to schedule an appointment and we'll drive our solutions straight to your door.



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