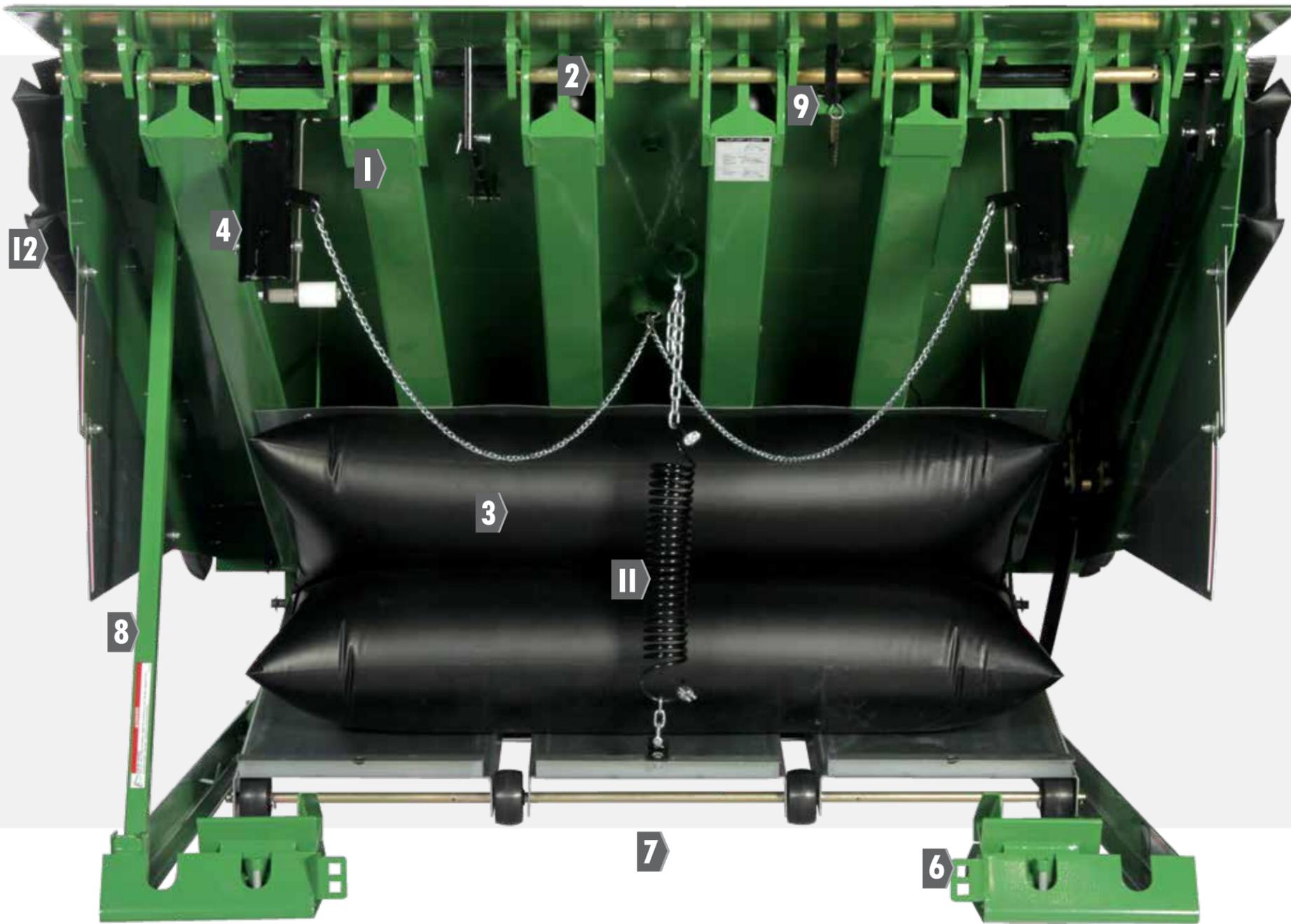


DOCK LEVELER  
AIR-POWERED



## aFX® DOCK LEVELER

It's the original Kelley air-powered dock leveler that revolutionized the industry. In addition to delivering a safe, powered performance at a cost comparable to mechanical dock levelers, the aFX features airDefense® — preventing stump-out and providing a measure of free fall protection. The aFX is also backed by the strongest warranty in the industry, with a rated lifetime lip hinge warranty, 10-year structural warranty and a 5-year parts and labor warranty on the lifting system, making it the preferred choice of warehousing operations worldwide.



## PRODUCT DETAILS

- 1. Unique Lambda Beam Design:** Provides better stress distribution, resulting in less wear and fatigue, longer life and less downtime for emergency maintenance.
- 2. Self-Cleaning, Lug-Type Hinge:** With heavy lugs welded directly to each beam and lip assembly, the Kelley lug-style hinge design is the strongest in the industry.
- 3. Durable, Reinforced Composite Lifting Bag:** Lifting bag with RF welded, reinforced polyvinyl chloride coated polyester fibers operates without loss of performance in temperatures from -65°F to +200°F, even if punctured. The airbag cannot be over-inflated (maximum motor pressure is 4 PSI), and has been tested for chemical immersion and rodent damage.
- 4. Deck Support Legs with airDefense®:** High efficiency 60,000 lbs. dock level support legs are drop tested to the full rated capacity of the dock leveler. Special airDefense rollers glide along a reinforced cam, preventing stump-out and providing fluid, free-float motion, along with a measure of free fall protection in the event of premature trailer separation.
- 5. Smooth, Reliable Gravity Lip™ Extension:** This simple mechanism uses deck weight and gravity to automatically extend the aFX Dock Leveler lip. No manual flip-lip, no hydraulic assist and no adjustments are required.
- 6. Exclusive SafeTFrame™:** Provides superior structural support and level interface with warehouse floor without the need to place shims.
- 7. Clean Pit Design:** All aFX Series 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 Support Strut:** Keeps ramp raised for routine maintenance and cleaning. Mounted to frame; lock out, tag out capable.
- 9. Integral Lip Lock:** Lip Lock keeps lip raised for routine maintenance and cleaning.
- 10. Full Operating Range Toe Guards with Galvanized Sliders:** For maximum safety and strength, toe guards are welded into place and have OSHA safety yellow markings per ANSI standards.
- 11. EZ-Clean™ Pit Kit:** The exclusive EZ Clean Pit Kit provides total pit access for routine cleaning and scheduled maintenance. Moreover, the aFX Series are the only levelers with an activation system intended for outside-the-pit service.
- 12. ENERGY GUARD®:** Provides a superior perimeter seal along the sides and rear of the dock leveler to block dirt, debris, pests and most importantly, energy loss by closing off the gaps between the dock leveler and the pit walls. (optional)

## STRONGEST WARRANTY IN THE INDUSTRY

aFX includes a standard 1-year parts and labor warranty, rated lifetime lip hinge warranty, 10-year structural\* warranty, & a limited 5-year parts and labor warranty on the lifting system (bag, motor, hoses, gaskets, fittings, and seals). *\*Based on engineering approval of written application information.*

# FEATURES

## KELLEY aFX® SERIES: MORE FEATURES THAN EVER

At Kelley, we saw the problems of conventional dock levelers and set out to create a superior alternative. The result: The aFX. It is innovative, cost effective, and is taming harsh, ever-changing loading dock environments. aFX dock levelers improve dock performance by offering simple, reliable operation and a proven, durable structural design that leads to lower operating costs, increased productivity and safety.



### SafeTFrame™

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 installation errors, as installers are often working under the leveler in a cramped environment and may not use the correct size shim or weld the shim properly. The result: the leveler can suffer structural fatigue, which may lead to expensive repair or replacement.

### DESIGN ADVANTAGES

- Greater structural strength & durability
- Reduce installation issues common with conventional dock levelers



- Ensures level transition from warehouse floor to dock leveler
- Rule out premature structural fatigue due to improperly shimmed/installed dock leveler



### CLEAN PIT DESIGN

All aFX Series Dock Levelers are built with an open frame, clean pit design to provide easy access to the pit floor. The exclusive EZ-Clean™ Pit Kit automatically raises the airbag pan to provide open access to the back of the pit for routine cleaning and scheduled maintenance. In addition, the aFX Series are the only dock levelers with an activation system designed for outside the pit service. (EZ-Clean™ Pit Kit standard on aFX and aFX-S)



### HORIZONTALLY MOUNTED FAN MOTOR ASSEMBLY

Located and protected safely under the airbag, the low pressure fan features a self-cleaning, filtered, UL approved, single speed motor. The fan motor runs on simple 120V, single-phase electricity, without hoses or clamps. Simple design to reduce service needs.



### PUSH-BUTTON ACTIVATION

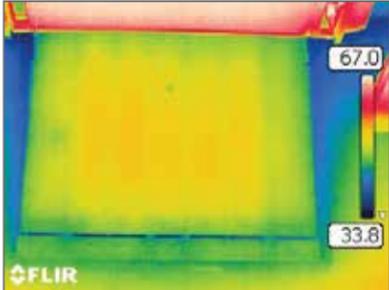
aFX Series dock levelers operate on 120V power, wall-mounted, single push-button NEMA 4X non-metallic control box.

## GUARD AGAINST ENERGY LOSS

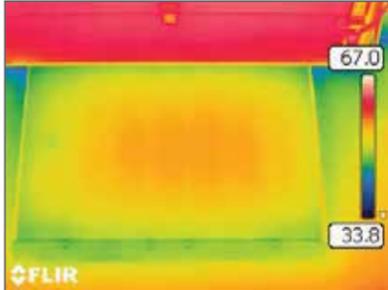
Energy Guard® prevents energy loss by providing a superior perimeter seal along the sides and rear of the leveler and blocks dirt, debris & insects from infiltrating the loading dock. The innovative design closes off the gaps between the dock leveler and concrete pit walls, preventing the mass flow of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

### 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



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



**AFTER:** ENERGY GUARD effectively seals off the perimeter gaps.



# AFX-S DOCK LEVELER

Kelley's premier aFX-S dock leveler provides the same proven performance, but incorporates a 5" high, full-width, **Kelley Safety Barrier Lip**, capable of stopping a 10,000 lb. load (4535.9 kg) at 4 mph (6.437 kph). Get full-time safety at dock level, as well as below-dock end-load situations and prevent accidental forklift runoff. What's more, the safety-minded aFX-S design features airDefense — to prevent stump-out and provide a measure of free fall protection.



# AFX-C DOCK LEVELER

The ideal economical solution for applications needing only the basic air-powered dock leveler performance benefits. It incorporates single push-button control with the standard, high-volume, low-pressure air activation system. The aFX-C comes with a 5-year activation system warranty.

- Lug style lip hinge & Lambda™ beam structure
- Patented SafeTFrame™ design
- Exclusive GRAVITY LIP™ automatic lip extension
- 120V single phase operation
- Open subframe design
- Nema 4X Non-Metallic Push-button Control Panel (non-interlock capable)

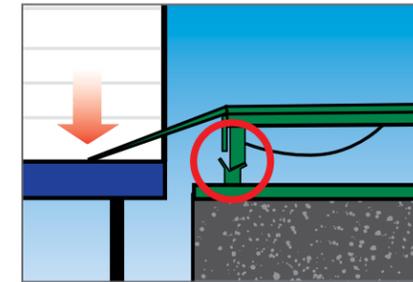


# THE PROBLEM OF STUMP-OUT



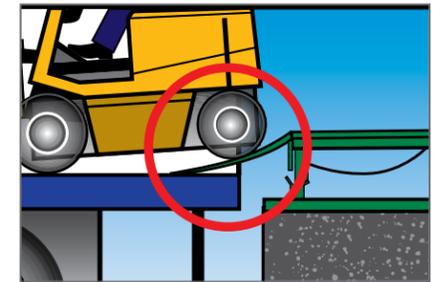
### WHAT IS STUMP-OUT?

Stump-out occurs when a dock leveler ramp stops near dock level but the lip continues to lower with the trailer.



### HOW DOES IT HAPPEN?

When a trailer floor is below dock level, the mechanical support legs stop the ramp near dock level. If the operator does not manually retract the legs with a pull-chain, the lip continues to lower with the trailer.



### WHAT IS THE RESULT?

The steep angle of the lip creates a potentially unsafe condition when backing out of the trailer. Damage can occur to the fork truck, dock leveler or load with lost productivity due to potential dock leveler damage and repetitive repositioning.

### WHAT ARE CURRENT SOLUTIONS?

To temporarily eliminate stump-out, mechanical legs must be manually retracted with pull-chain. Stump-out can continue if legs are not repeatedly retracted throughout loading.

Hydraulic dock levelers can eliminate stump-out altogether, but this is an expensive solution

and hydraulic systems present a number of new drawbacks.



### AND THE PROBLEM CONTINUES...

Stump-out has become more prevalent with the rapid increase of air ride suspension trailers in the market today. These trailers can move as much as 8" every time the lift truck enters the trailer. **IT'S TIME FOR THE AFX® SOLUTION**

### STAMP OUT STUMP OUT

With airDEFENSE®, our proprietary leg design and free fall protection system. Special airDefense rollers glide along a reinforced cam, preventing stump-out and providing fluid, free-float motion, along with a measure of free fall protection in the event of premature trailer separation. Kelley airDefense means there's no need to install hydraulic dock levelers to obtain stump-out-free operation.

# KELLEY AFX DOCK LEVELERS SAVE MONEY:

## MECHANICAL DOCK LEVELER COSTS

**Estimated 5-Year Maintenance Cost:.....\$900.00**

- Lubrication of over 20 points every 90 days. Adjust activation springs and lip extension as necessary.
- Time Required: 45-60 minutes per unit every 90 days

*(Based on 3 hours per year @ \$60/hr.)*

**Estimated 5 Year Replacement Parts Cost: .....\$953.00**

*(includes 1.5 hours labor per service call (4 total) @ \$60/hr.)*

**Total 5-Year Cost of Ownership: ..... \$1,853.00**

*(Costs shown based on average historical product repair and service data by region)*

## KELLEY AFX DOCK LEVELER COSTS

**Estimated 5-Year Maintenance Cost:.....\$200.00**

- Light oil on four areas every 90 days. No adjustments necessary.
- Time Required: 10 min. per unit every 90 days

*(Based on 40 minutes per year @ \$60/hr.)*

**Estimated 5 Year Replacement Parts Cost: .....\$90.00**

*(includes 1.5 hours labor per service call (4 total) @ \$60/hr.)*

**Total 5-Year Cost of Ownership: ..... \$290.00**

*(Costs shown based on average historical product repair and service data by region)*

# INTEGRATE YOUR KELLEY EQUIPMENT FOR SAFER, MORE EFFICIENT AND PRODUCTIVE DOCKS.

Streamline your loading dock equipment with the simple push of a button by adding the Kelley Digital Master Control Panel with HMI. As workloads increase, busy loading docks only get more complicated, making automating your dock equipment necessary in order to meet the demands. 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.



## DON'T JUST OBSERVE IT, LIVE THE EXPERIENCE.

Kelley 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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