FIRST. AND BUILT TO LAST.

Integrate Your Kelley Equipment For Safer, More Efficient, More Productive Docks.

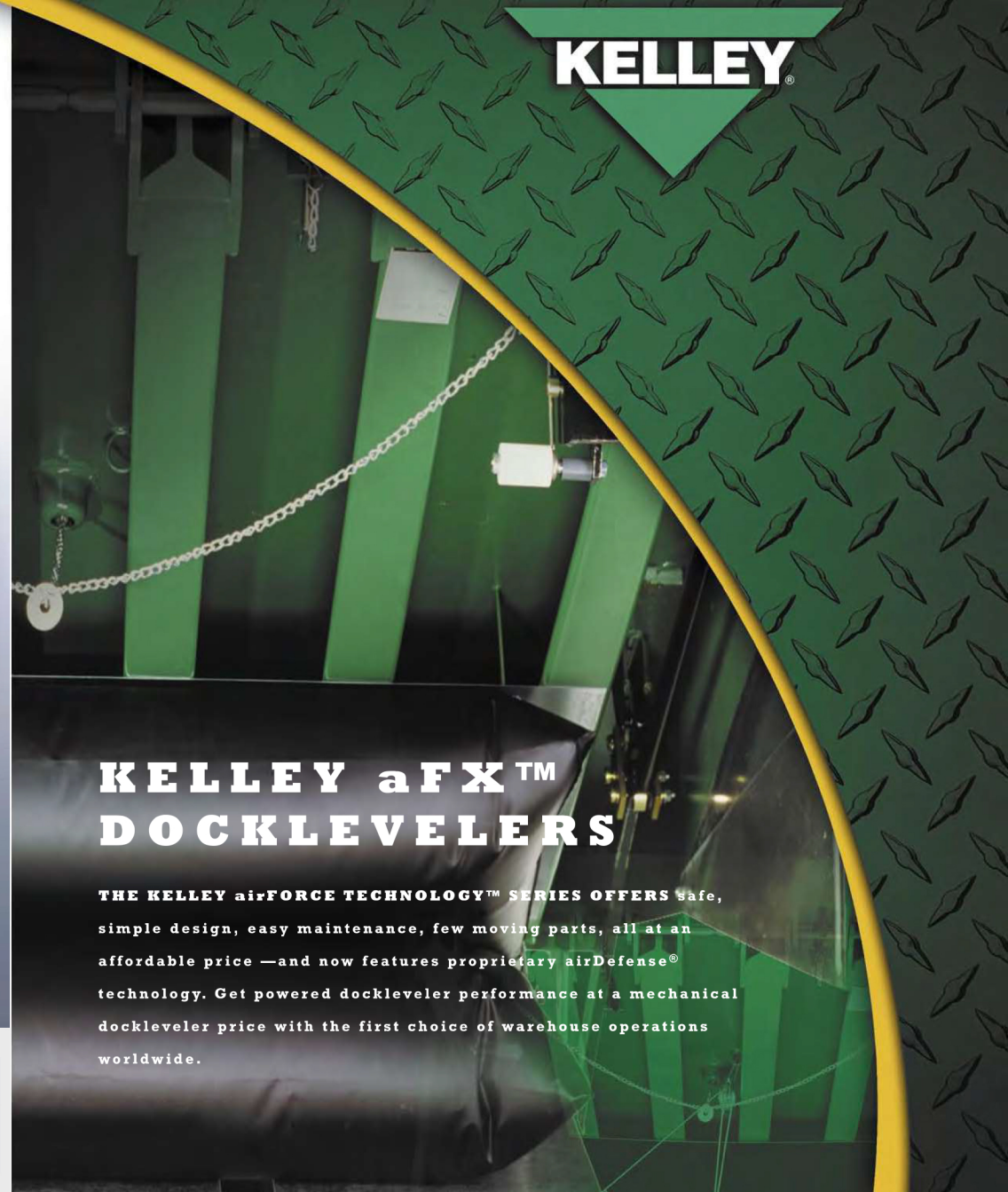
THE KELLEY aFX SERIES

can be integrated with other dock equipment, including trailer restraints, dock doors, inflatable seals or shelters, dock lights and security systems — improving productivity, security and environmental control. Kelley's Master Panel dramatically increases safety and operational efficiency by integrating and interlocking equipment controls, ensuring that equipment is always used in proper sequence.

LOADING DOCK SAFETY: Realities & Responsibilities

GLOBALLY, COMPANIES ARE OPTING for a safe, power-activated dockleveler like the aFX to reduce unnecessary expenses. However, while the aFX Dockleveler is a great start, it's only one link in the safety chain. A tested-tough trailer restraint like the non-impact Kelley STAR® is another crucial element for a fully protected dock.

KELLEY®



KELLEY aFX™ DOCKLEVELERS

THE KELLEY airFORCE TECHNOLOGY™ SERIES OFFERS safe, simple design, easy maintenance, few moving parts, all at an affordable price —and now features proprietary airDefense® technology. Get powered dockleveler performance at a mechanical dockleveler price with the first choice of warehouse operations worldwide.

AceDoors
Commercial Door Solution Specialists

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CONVENTIONAL DOCKLEVELERS:
More Problems Than Benefits

Mechanical Docklevelers

STUMP-OUT
During loading and unloading, the mechanical legs can interfere with the free float of the dockleveler (particularly with air ride trailers), meaning potential damage to the dockleveler, load or fork truck.

SPRING ADJUSTMENTS
Extension springs require regular adjustment, increasing your loading dock costs. Improper adjustment can make the dockleveler difficult to walk down.

HOLD-DOWN
Ratchet and pawl hold-down devices are simple, but constant tension eventually causes working parts to wear. Hold-down repairs can cost over $500.

FLIP-LIP EXTENSION
Added springs, cams, cables and linkage are used to extend the lip. Wear and tear, and the need for repetitive adjustment, can increase your maintenance costs.

PULL-CHAIN ACTIVATION
Dock workers must bend over and pull a release chain each time the dockleveler is operated.

Hydraulic Docklevelers

HIGHER INITIAL PRICE
Hydraulic activation systems are more expensive to manufacture (and to buy) than other systems. Also, three-phase electricity used to operate a hydraulic dockleveler is usually more expensive to install.

HYDRAULIC FLUID LEAKS
Hoses, fittings and hydraulic components will wear with time, which is why leaks are common in most hydraulic systems.

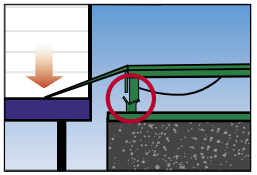
EXPENSIVE REPAIR AND SERVICE COSTS
Replacement costs for hydraulic motors, cylinders and pumps are high. A motor pump assembly costs around $1,200, plus labor; a hydraulic cylinder costs about $400, plus labor. Cheaper hydraulic systems use lower-quality components, resulting in less life and higher repair costs.

AFFECTED BY WEATHER
Cold temperatures thicken hydraulic fluids, reducing productivity.

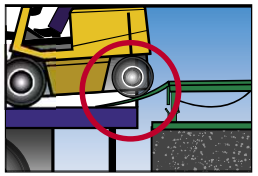
The Problem of Stump-Out

What is stump-out?
When a dockleveler ramp stops near dock level but the lip continues to lower with the trailer.

How does it happen?
When a trailer lowers 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, dockleveler or load with lost productivity due to potential dockleveler damage and repetitive repositioning.



What are current solutions?

To temporarily eliminate stump-out, mechanical legs must be manually retracted with a pull-chain. Stump-out can continue if legs are not repeatedly retracted throughout loading. Hydraulic docklevelers can eliminate stump-out altogether, but this is an expensive solution with multiple hydraulic system drawbacks.

And the problem grows...

Stump-out has become more prevalent with the rapid increase of air ride suspension trailers in the market today; in fact, 62% of new trailers are equipped with air suspensions. These trailers can deflect as much as 8" every time the lift truck enters the trailer.

IT'S TIME FOR THE aFX™ SOLUTION...

KELLEY aFX:
The Proven Solution

AT KELLEY, WE SAW THE PROBLEMS OF CONVENTIONAL DOCKLEVELERS and set out to create a superior alternative. The result: The aFX. Innovative. Cost-effective. Taming harsh, ever-changing loading dock environments. aFX Docklevelers improve dock performance by offering simple, reliable operation and a proven, durable structural design — leading to lower operating costs, plus greater productivity and safety.

aFX™

AIR SUPERIORITY. ONLY FROM KELLEY.

SINCE ITS INTRODUCTION IN 1995, aFX technology has established an impressive performance record that the competition can't match*:

Units Installed:	100,000+
Estimated Number of Facilities:	10,000+
Estimated Unit-Days of Operation Since Introduction:	30.8+ million
Estimated Dockleveler Cycles:	252+ million
Fan/motor warranty:	0.007 of units installed
Airbag warranty:	0.004 of units installed

**(Data as of 12/04. Warranty rate for mechanical and hydraulic docklevelers up to 1.2%.)*

aFX™ DOCKLEVELER TECHNOLOGY:
Established Reliability

AIRBAG LIFTING TECHNOLOGY was developed in the '40s, before hydraulics, as the safety industry commercialized it to raise and stabilize derailed train cars, overturned tractor-trailers — even collapsed bridges. It took Kelley's innovation to bring this same dependable, economical lifting technology to docklevelers, eventually making **the aFX Dockleveler the most popular model on the market!**

The Kelley airForce Technology™: Air Superiority

NOW, KELLEY'S PATENTED aFX DOCKLEVELER takes you to the next level of performance. While still delivering all the air-powered pluses we introduced to the industry — simple, durable, clean-running operation, lubrication and adjustment-free activation, plus minimal moving parts — our **airDefense®** now eliminates stump-out, and offers a measure of free-fall protection. Our airForce Technology (aFX) means there's no need to install hydraulic docklevelers to obtain stump-out-free operation. And means doing business with Kelley is smart business.

aFX™ Dockleveler

IT'S THE ORIGINAL KELLEY AIR-POWERED DOCKLEVELER that revolutionized the industry. In addition to delivering safe, powered performance at a cost comparable to mechanical docklevelers, the aFX features airDefense® — eliminating stump-out and providing a measure of free-fall protection. The aFX is also backed by the strongest warranty in the industry, with a lifetime lip hinge assembly warranty, 10-year structural* warranty, and a 5-year parts and labor warranty on the lifting system. All of which makes it the preferred choice of warehousing operations worldwide.

Unique Lambda Beam Design
Provides better stress distribution, resulting in less wear and fatigue, longer life and less downtime for emergency maintenance.

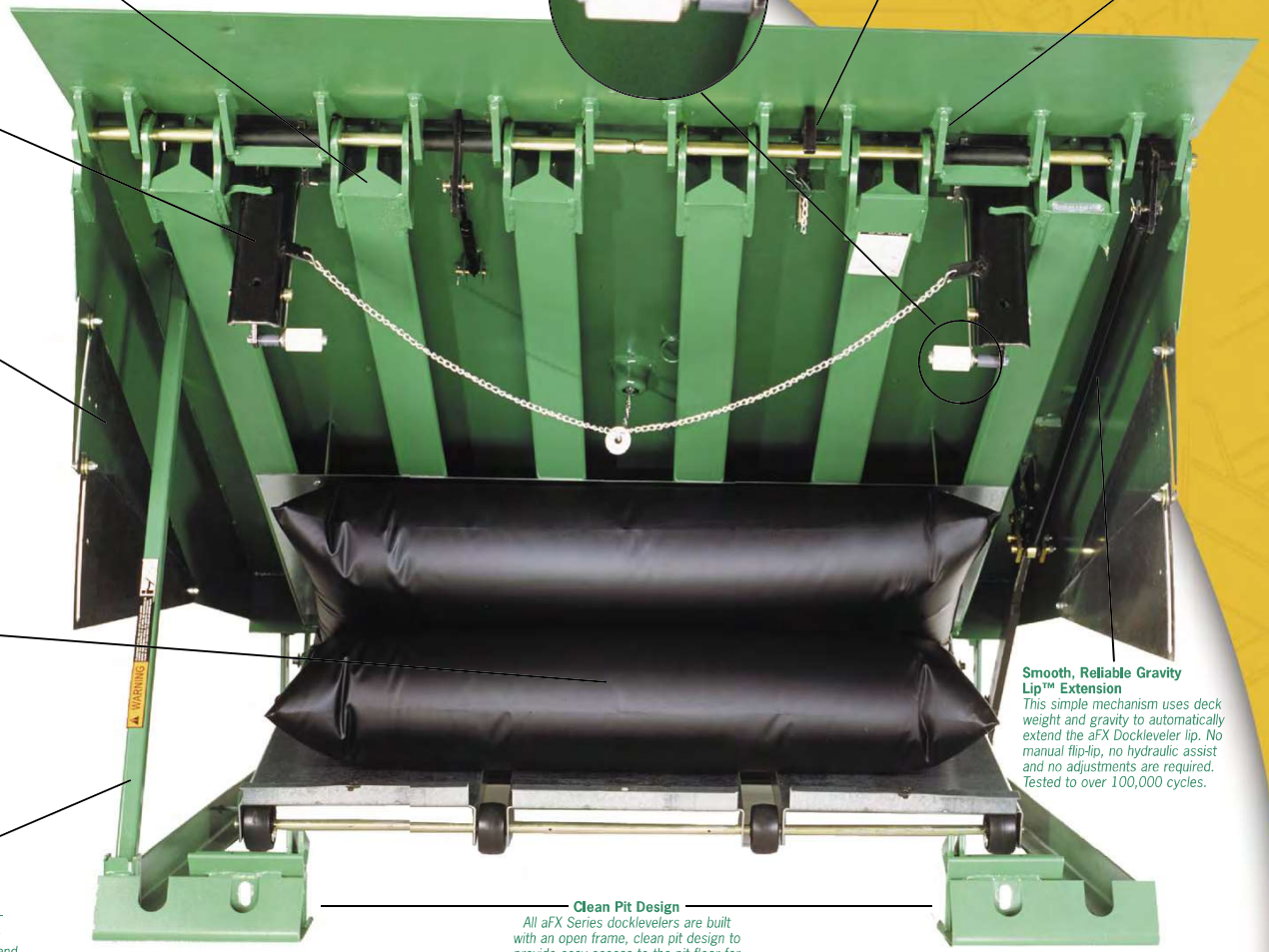
Exclusive airDefense
Special airDefense sensor rollers glide along a reinforced cam, purging stump-out and providing fluid, free-float motion along with a measure of free-fall protection in the event of premature trailer separation.

Integral Lip Lock
Lip Lock keeps lip raised for routine maintenance and cleaning.

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.

Deck Support Legs
High-efficiency 60,000 lb. structural dock level support legs. Drop-tested to the full rated capacity of the dockleveler.

Structural, 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.*



Durable, Reinforced Composite Lifting Bag
Lifting bag with RF welded, reinforced polyvinylchloride-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.

Smooth, Reliable Gravity Lip™ Extension
This simple mechanism uses deck weight and gravity to automatically extend the aFX Dockleveler lip. No manual flip-lip, no hydraulic assist and no adjustments are required. Tested to over 100,000 cycles.

Integral Support Strut
Keeps ramp raised for routine maintenance and cleaning.

Strongest Warranty in the Industry
aFX includes a standard 1-year parts and labor warranty, lifetime lip hinge assembly warranty, 10-year structural warranty, & a limited 5-year parts and labor warranty on the lifting system (bag, motor, hoses, gaskets, fittings, and seals).*

Clean Pit Design
All aFX Series docklevelers are built with an open frame, clean pit design to provide easy access to the pit floor for cleaning and scheduled maintenance.

* Based on engineering approval of written application information.

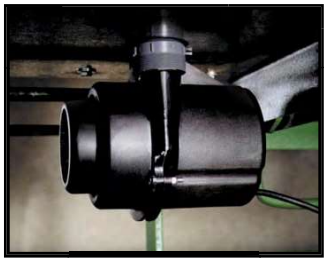
STAMP OUT STUMP-OUT:

WITH airDefense®, our proprietary leg design and free-fall protection system. Special airDefense sensor rollers glide along a reinforced cam, purging stump-out and providing fluid, free-float motion, along with a measure of free-fall protection in the event of premature trailer separation.

More aFX™ features than ever:

Clean Pit Kit
The patented Clean Pit Kit provides 100% full access for maximum cleaning and maintenance effectiveness. In addition, the aFX Series are the only docklevelers with an activation system designed for outside-the-pit service.

Push-Button Activation
aFX Series Docklevelers operate on 115V power and a wall-mounted, single push-button NEMA 4x non-metallic control box.



Horizontally Mounted Fan Motor Assembly
Located and protected safely under the airbag structure, the low-pressure fan features a self-cleaning, filtered, UL-approved, single-speed motor. The fan motor runs on simple 115V, single-phase electricity. No hoses. No clamps. Simple design to reduce service needs.

aFX-S Dockleveler

KELLEY'S PREMIER aFX-S DOCKLEVELER PROVIDES the same proven performance, but incorporates a 5" high, full-width, constant structural steel barrier, capable of stopping a 10,000 lb. load at 4 mph. Get 100% 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 features **airDefense** — to eliminate stump-out and provide a measure of free-fall protection.

aFX-C Dockleveler

THE aFX-C IS AN IDEAL ECONOMICAL SOLUTION for applications needing only the basic air-powered dockleveler performance benefits. It incorporates single push-button control with the standard, Gravity-Lip™, high-volume, low-pressure air activation system and standard 60,000 lbs. structural dock level support legs.