



Engineered for Safety

# Pentalift Hydraulic Conversion Kit

Pentalift Equipment Corporation is a leading manufacturer of loading dock equipment. The Pentalift Hydraulic Conversion Kit takes a structurally sound dock leveler and converts it to reliable, safe fully hydraulic operation. The conversion kit is an economical alternative to replacing an existing dock leveler. This upgrade costs considerably less than the cost of fully replacing the existing dock leveler with a new hydraulic dock leveler and dramatically reduces down time and repair costs on existing dock levelers.

## Before:



## After:



Use on almost any make or model of mechanical or power assisted dock leveler. Eliminates problems with mechanical activating mechanisms, including but not limited to: holdowns, lift spring mechanisms and lip activating mechanisms. This conversion is suited for dock levelers for which the structural portion of the Dock Leveler is in good condition.

The dock leveler is converted to fully hydraulic operation. Simple push button operation activates and controls the dock leveler. The reliability, safety and efficiency of the loading dock are dramatically increased. The converted dock leveler can be interlocked with other dock equipment such as vehicle restraints, overhead doors, dock lights.

## Features:

- **Safety:** Push button operation simplifies and assists operator control, thereby increasing safety. Dock leveler can be interlocked with vehicle restraint, overhead door and other equipment.
- **Reliability:** Elimination of mechanical components such as holdowns, reduces breakdowns and down time.
- **Maintenance & Operating Cost:** Costs are significantly lowered or eliminated through fully hydraulic conversion.
- **Reduced Noise Levels:** Smoother hydraulic operation reduces operating noise levels.
- **Fully Hydraulic Operation:** Both the deck and the lip movements are activated by hydraulic cylinders.
- **Push Button Operation:** NEMA 12, wall mounted push button facilitates simple and efficient operation of the dock leveler.
- **Warranty:** Conversion kit is covered by Pentalift's extensive warranty.

# Main Components of Pentalift Hydraulic Conversion Kit

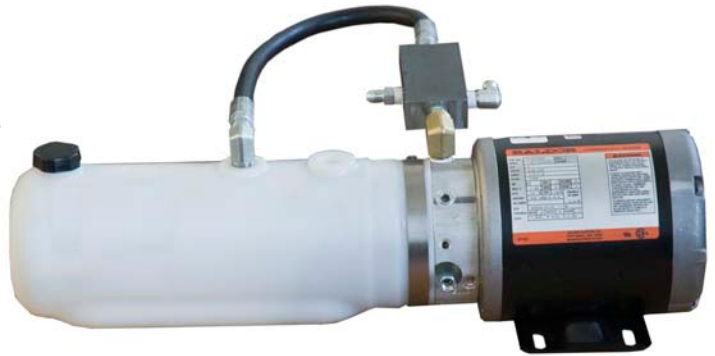
## Push Button Control



- Simple, reliable push button operation.
- NEMA 12 – wall mounted push button station, facilitates simple basic operation.
- Protects against falling dirt, circulating dust, lint, fibers, filings and against dripping and light splashing of liquids.
- Other NEMA rated enclosures are available.

## Electro-Hydraulic Power Unit

Incorporates internal filtration system and 1-1/2 HP totally enclosed non ventilated motor. Provides hydraulic flow and pressure to the Pentalogic Hydraulic Control Manifold. Simple and reliable even in the harshest applications. Hydraulic power units are available in all common single and three phase AC voltages.



## Pentalogic™ Hydraulic Control Manifold

Operating every hydraulic function with only two moving parts, the Pentalogic Hydraulic Control Manifold revolutionized dock leveler hydraulic control circuitry. Conventional hydraulic dock leveler control valve circuitry is comprised of several individual function valve assemblies. Their assemblies are constructed from many sub components, increasing the potential of hydraulic component failure and oil leaks. Utilizing only two moving components, the non-adjustable Pentalogic Hydraulic Control Manifold eliminates all concerns related to on-site adjustment, oil leaks or hydraulic component failure.



## Hydraulic Cylinders



Hydraulic cylinders are manufactured by Pentalift. Hydraulic cylinders are designed specifically for use in the harsh environments that dock levelers are subjected to. The Cylinders incorporate hardened chrome cylinder rams. High quality urethane hydraulic seals provide reliable leak proof operation. Cylinders incorporate high strength cylinder tubing.

Consult a Pentalift Sales Representative for additional information or equipment recommendations

Note: Some photos may reflect products with optional features. All Pentalift Equipment products are subject to design improvement through modification without notice.

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