

D SERIES

HYDRAULIC LIFT



MATERIAL HANDLING SOLUTIONS

www.pflow.com
P (414) 352 9000
F (414) 352 9002
6720 N. Teutonia Ave.
Milwaukee, WI 53209

Transports materials between two levels. Innovative design ensures highly-stable loading and unloading operations.



- Lifts loads up to 3,000 lbs. Carriage sizes up to 6' x 6'.
- Vertical rise to 15'. Standard vertical travel is 17 FPM.
- Indoor or outdoor use.
- Lifetime structural warranty.
- ASME B20.1 compliant.

GENERAL

Principal components of the D Series are guide columns, carriage and hydraulic actuating mechanism.

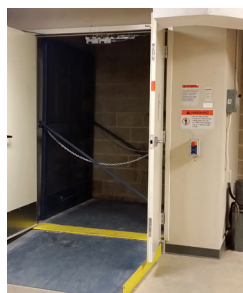
STRUCTURE

Guide columns are 6" wide flange. Carriage is fabricated of heavy-duty structural members with steel deck plate. Other deck surfaces available. Carriage is cantilever design and can be loaded from any of three operating sides, depending on application.

- Guided Dual-Pak design is direct action, with no cables, chains, sheaves, sprockets or bearings that can break.
- Highly-stable loading and unloading operations maintained by pressure switch that prevents carriage from drifting or sinking.
- Ultra-high molecular weight, polyethylene cylinder guide improves cylinder life by preventing cylinders from twisting.
- Check valves hold carriage in place in event of power loss.
- Velocity fuses prevent uncontrolled carriage descent in the event of a hose rupture.
- Field wiring costs greatly reduced by optional quick-connect cabling for push-button stations and gate interlocks.
- DeckLock Safety System available for added security at critical upper levels.
- Optional hot-dipped galvanized or epoxy finish available for outdoor or wash-down environments.
- Explosion-proof components available for classified environments.

OPERATION

Carriage is lifted and lowered by two direct-acting hydraulic cylinders. Cylinders are actuated by a remote mounted hydraulic pump. Transmission of the lifting force is direct from the base of guide columns to the carriage, using a Dual-Pak ram.



D SERIES

HYDRAULIC LIFT



MATERIAL HANDLING SOLUTIONS

www.pflow.com
P (414) 352 9000
F (414) 352 9002
6720 N. Teutonia Ave.
Milwaukee, WI 53209

ELECTRICAL

Standard power requirements are 208/230/460VAC, 3-phase (single-phase available). Control voltage is 24VAC. Push-button stations are NEMA 12 rated. Pump mounted, pre-wired control panel is NEMA 12 rated. Push-button stations provided at each level include call/send operators and mushroom head emergency stop. Quick connect pre-wiring is optional.

SAFETY FEATURES

Upward travel of carriage limited by mechanical stops that ensure positive leveling with upper deck. Positive mechanical stops prevent overtravel. Pressure builds to "lock" carriage into position at upper level. NO RIDER signs posted at each point of operation. DeckLock Safety System available for added security at critical upper levels.

CARRIAGE SIDE GUARDS

Carriage is equipped with safety rails on non-operating sides, and a safety chain, drop bars or gates on operating ends. Optional expanded metal or sheet metal carriage side guards are available.

SAFETY ENCLOSURES / GATES

Safety codes (ASME B20.1) require interlocked gates with enclosures on all sides of the lift. Enclosures must be a minimum of 8' high and reject a ball 2" in diameter.

