



# Material Handling Solutions



## Carriage Support and Access Options

In most material lift installations, there is no reason to ever go under a raised platform. The most common reason for access below a raised platform is to remove debris and clean beneath the carriage. Removing debris from the pit below the carriage is best accomplished using a long-handled broom to avoid entering under the raised platform. This process requires the lower level gate interlock to be either mechanically overridden or the interlock status switch to be bypassed with a jumper in the control panel. The employer is responsible to establish a written maintenance procedure including the OSHA requirements for lockout/tagout (LOTO) of the Vertical Reciprocating Conveyor (VRC), and to properly train maintenance employees on the procedures.



PFlow Industries, Inc. recommends two separate means of securing the carriage before accessing the area beneath a raised platform. The same requirements for a written procedure and LOTO by the employer still apply.

**Maintenance Mode** Through use of a key switch mounted on a control panel, this automated option secures the carriage at the upper level through a set of DeckLocks and then overrides the lower level interlock. Access is allowed to authorized maintenance personnel through the level 1 gate. Contact PFlow Industries, Inc. for more information.

**Maintenance Pins** Manually engaged maintenance pins provide one-way assurance that the VRC carriage is properly secured at the upper level. *As an option*, limit switches are available to provide proofing of the position of the maintenance pins. A maintenance light illuminates on the control panel door.

**Maintenance Chains** This method is intended as a secondary means of carriage support. The carriage is supported at the upper level with a set of D Rings mounted to the carriage, and a set of maintenance chains.

**Note:** Pricing varies depending on the configuration of the original material handling equipment as purchased and modifications required.

## Dedication

PFlow’s Product Support Department is dedicated to keeping your operation running smoothly. It’s just one of the many reasons why PFlow Industries, Inc. remains a leader in the vertical lift industry that we created.



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