



## SERIES M

### MECHANICAL LIFTS

### OVERALL

- Carriage is lifted and lowered by two heavy-duty roller chains and gear reducer assembly.
- Electric brake motor drives the gear reducer assembly to raise platform.
- Motor and gear reducer assemblies are mounted above the guide columns.

### STRUCTURE

- Columns are made from 6" wide flange structural steel for maximum strength.
- Columns ship in multiple pieces and are custom designed for each project.
- All PFlow VRC's come standard with a lifetime structural warranty.

### SAFETY

- Elevator approved interlocks are supplied for each gate or door.
- Limit switches protect against under or over travel and to sense chain conditions.
- Overload protection is provided by a current-sensing relay.
- Fail-safe brake engages motor upon loss of power.
- Safety cams with hardened teeth engage column to prevent carriage free fall.
- VRC conforms to ASME B20.1 Safety Standard for Conveyors.

### CARRIAGE

- Carriage sizes up to 10' x 12'.
- Carriage is constructed of heavy tube and channel with 3/16" deck plate.
- Heavy-duty expanded metal is supplied 84" high on carriage sides (optional).
- Open end of carriage is protected by snap chain, drop bar or gate (optional).

### ENCLOSURES

- Heavy-duty expanded metal safety enclosures are supplied as standard.
- Safety enclosures are designed to 8'-0" overall height and around VRC perimeter.

### ELECTRICAL

- UL labeled NEMA 12 rated main control panel supplied as standard.
- NEMA 12 push button stations enable full call/send control from any level.
- Push button stations are self-maintained and include a red mushroom E-stop.
- Main control panel includes diagnostic lights on panel door to assist in troubleshooting. Limit switches are provided to position the carriage at each level.
- Control voltage is 110 VAC.

### CAPACITY

- Lifts up to 8,000 lbs loads. Vertical rise to 200'.

### ENGINEERING

- PFlow engineers review each VRC design for proper application.

### CUSTOMIZED OPTIONS

- PFlow lifts are customized to your application. specifications and are designed to fit your exact needs. Contact your Regional Manager to discuss any custom options available.

### CODE APPROVAL GUARANTEE

- PFlow Industries has 16,000 vertical lifts installed worldwide and no PFlow unit has ever been shut down for lack of elevator code compliance.
- We guarantee that should your PFlow VRC be cited for lack of elevator code compliance - PFlow will help you solve the conflict or repurchase the equipment at your full purchase price.