

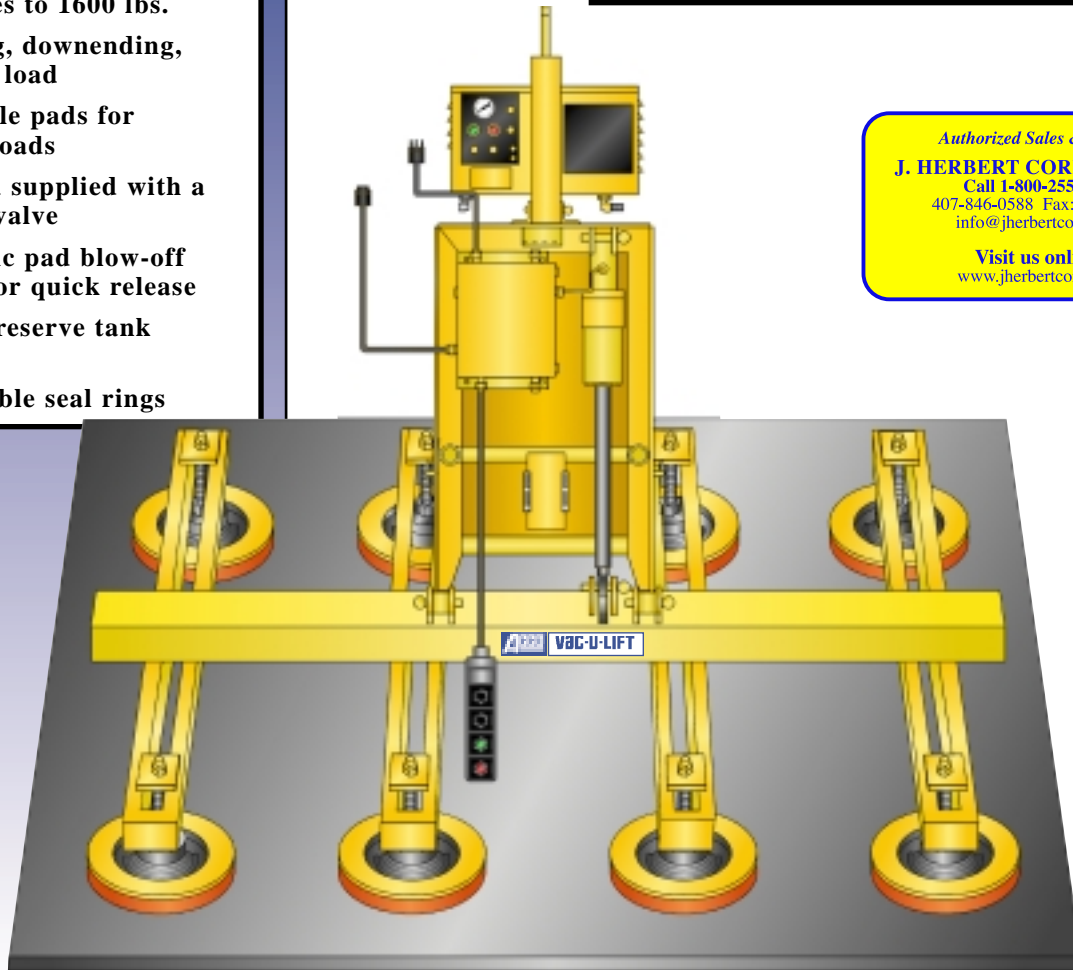
VAC-U-LIFT®

1600 Series

STANDARD VACUUM LIFTER

- Capacities to 1600 lbs.
- Uprighting, downending, tilting of load
- Adjustable pads for varying loads
- Each pad supplied with a shut-off valve
- Automatic pad blow-off feature for quick release
- Vacuum reserve tank standard
- Replaceable seal rings

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The Intermittant-Duty Linear Actuator or Continuous-Duty Hydraulic 90° Uprender Vacuum Lifter for Loads up to 1600 lbs.

The 1600 Series 90° Uprender Vacuum Lifter combines the standard 3200U Series Vacuum Lifter with a linear actuator or hydraulic 90° upender attachment for the efficient intermittent or continuous duty lifting and positioning of a large variety of non-porous loads weighing up to 1600 lbs. The unit can handle a wide range of ferrous and non-ferrous sheet or plate material minimizing damage to delicate polished or burnished surfaces, and without deformation to thin, preformed, or machined sections.

Simple push-button controls let the operator quickly attach, lift, and upend (through a 90° arc) any sheet or plate material.

Back-breaking effort and extra, time consuming labor normally required to lift and position a wide range of material into storage racks, inspection and assembly jigs, installation and welding fixtures, and machine processes can be eliminated.

The self-contained Uprender has a simple faspin connection and power cord connectors to the standard 3200U Series Power Pac. Load beams, cross arms, and pads are easy to attach, remove, or adjust to accommodate changes in material size or shape.

Vacuum pad selection is the same as for the 3200 Series Standard Lifter. However, the pad capacities must be de-rated 50% to provide adequate capacity when the load is in the vertical, upended position.

In case of an inadvertent power interruption, a reserve vacuum tank takes over which can

hold the load up to 30 minutes under normal conditions with non-porous materials.

Time to attach lifter to loads is between 3 and 10 seconds, depending on number and type of pads.

Extremely-low Maintenance Requirements

The modular design of the 1600 Series 90° Uprender Vacuum Lifter, plus readily-available standard, interchangeable components, means simple, low-cost maintenance. The air filter is easily accessible for cleaning, and change-over between operation is fast, simple, and requires no special tools.

* *Product specifications on reverse side*

1600 Series

STANDARD VACUUM LIFTER

Specifications

3200U Power Pac

Equipped with 3 ft pigtail power cord with twist lock connector for a variety of AC power sources; 10 ft four-button push button station; 1/3 hp, 1800 rpm integral electric motor; 4-1/2 cfm, oil-less, rotary vane vacuum pump; 4-way vacuum control valve; air line filter; vacuum gauge; vacuum switch; reserve valve; uses load beam as a reserve tank for positive holding in case of power failure; red/green vacuum level visual indicator lights; on-off power switch and other related controls and accessories. Releasing the vacuum and allowing removal of the pads from the load is accomplished by forcing air to the vacuum pads.

- Weight: 115 lbs.
- 1000 watt power draw
- Power sources available:
 - 115 volt, single-phase, 60 hertz, 6.1 F.L.A.
 - Transformer for 230/460/575 volt AC

1600 Series Continuous-Duty

Hydraulic 90° Upender Attachment

This complete unitized attachment assembly can be easily attached or removed from the standard 3200U Series Power Pac with a fas-pin connection and quick disconnect power and pendant plugs.

The Upender assembly is equipped with a reservoir with a 10" X 2" bore hydraulic cylinder, reservoir, .20 gpm pump and motor, power cord with connector for 115 volt, single-phase, 60 hertz; connector cords for 3200U Series power and control pendant; pivot pin connections for load beam and cylinder arm.

- Weight: 230 lbs.

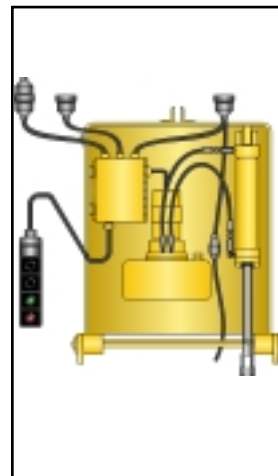
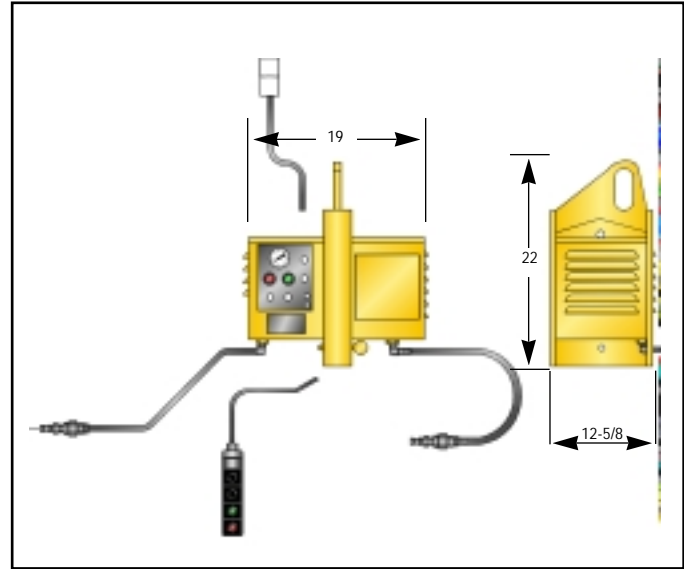
1600 Series Intermittant-Duty

Linear Actuator 90° Upender Attachment

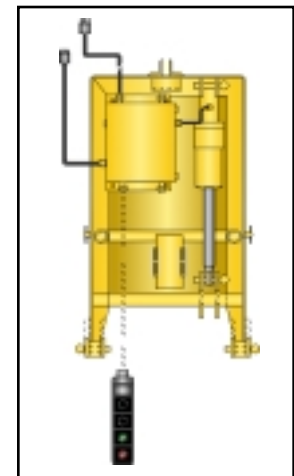
This complete unitized attachment assembly can be easily attached or removed from the standard 3200U Series Power Pac with a fas-pin connection and quick disconnect power and pendant plugs.

The Upender assembly is equipped with a linear actuator, power cord with connector for 115 volt, single-phase, 60 hertz; connector cords for 3200U Series power and control pendant; pivot pin connections for load beam and cylinder arm.

- Weight: 180 lbs.



Hydraulic 90°
Upender Attachment



Linear Actuator 90°
Upender Attachment

Load Beam

All load beams are standard structural formed steel, all-welded construction with pivot pin connection and secondary pivot pin connection for cylinder arm attachment to Upender assembly. Cross arms or pads can be adjusted along the beam length to match load requirements. A vacuum reserve tank is incorporated into the beam for positive holding in case of power failure.

- Standard beam lengths are 4', 6', 8', and 10'.

Cross Arms

All cross arms are standard structural formed steel construction and attach to load beam with an integral bracket. They provide full pad adjustment along cross arms and can be locked in position to match load requirements. The offset position of the bracket on the cross arm

provides the proper leverage to balance the entire Upender Lifter and load in both the vertical and horizontal positions. An even number of cross arms should be used to insure proper balance.

- Standard cross arm lengths are 3', 4', 5', and 6'.

Pads

For further information on pads, refer to: Vac-U-Lift Standard Vacuum Pad Selection Guide.

Optional Accessories

For further information on optional accessories, refer to: Vac-U-Lift Accessories Page.

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