

ANVER's latest models of vacuum generators feature high capacity pumps, valves, filters and gauges for trouble-free operation in the most demanding production environments. Designed for use with a wide assortment of vacuum lifter assemblies and interchangeable pad attachments, these high quality Vac-Packs are ruggedly built, yet affordably priced for unmatched value. The VPF-57-AIR Series features a sturdy welded frame construction for heavy weight load lifting capability.



## Features

- **Air Powered Vacuum Generator**

No electric power required, operates using dry, clean compressed air for vacuum generation. The vacuum generator is a single stage unit with no moving parts or rubber gaskets to maintain or replace.

- **Takes Standard Dry, Clean Shop Air**

Input pressure to be regulated to 90 psi (72.5 psi on VPF-57/30-AIR). Provided with 1/4" NPT

- **Energy Air Saver Vacuum Generator**

The vacuum controlled valve shuts off the flow of compressed air to the pump when the pre-set level is reached, and consequently the consumption of compressed air is minimized. (Not available on VPF-57/-30-AIR)

- **Vacuum Leakage Sensing System**

The VLS is a battery powered units consisting of solid state circuitry with microprocessor, pressure sensor, LCD digital display in inches of Hg, and audible and visual warning signs (horn and red light). System is plumbed to the Vac-Pack and monitors vacuum level triggering the alarm in the event of a loss in vacuum level (10% loss for VLS / 20% loss for VLS-20).

- **Front Mounted Gauges**

Includes both an input air pressure and vacuum indicator gauges, front mounted for continuous monitoring by the operator. Also included is a filter view port to monitor filter for cleaning.

- **Ergonomic Adjustable Front Handlebar**

Easy to grasp, large loop handlebar enables the operator to easily and safely maneuver the attached load without touching the load itself. Handlebar can be adjusted for smaller loads.

- **Slide Control Valve with Push-Button Safety Lock**

The slide valve assembly allows vacuum attach and release and is mounted to the front handlebar for convenient access by the operator. The push-button safety lock is to keep the slide valve in the attach position while lifting a load to prevent accidental load release.

- **Vacuum Check Valve and Reservoir**

A check valve and a vacuum reservoir help to maintain vacuum if the supply of compressed air is interrupted, for safe handling of non-porous loads.

## Maintenance

- **Air Filter**

High capacity air filter provides protection against pump damage. It is mounted behind the front cover which has a view port for routine inspection.

## Options

- **Optional Moisture Trap (WT-PF)**

For damp applications: prevents moisture saturation of filter and possible damage to pump. Not for handling wet loads.

## General

- **Frame Construction**

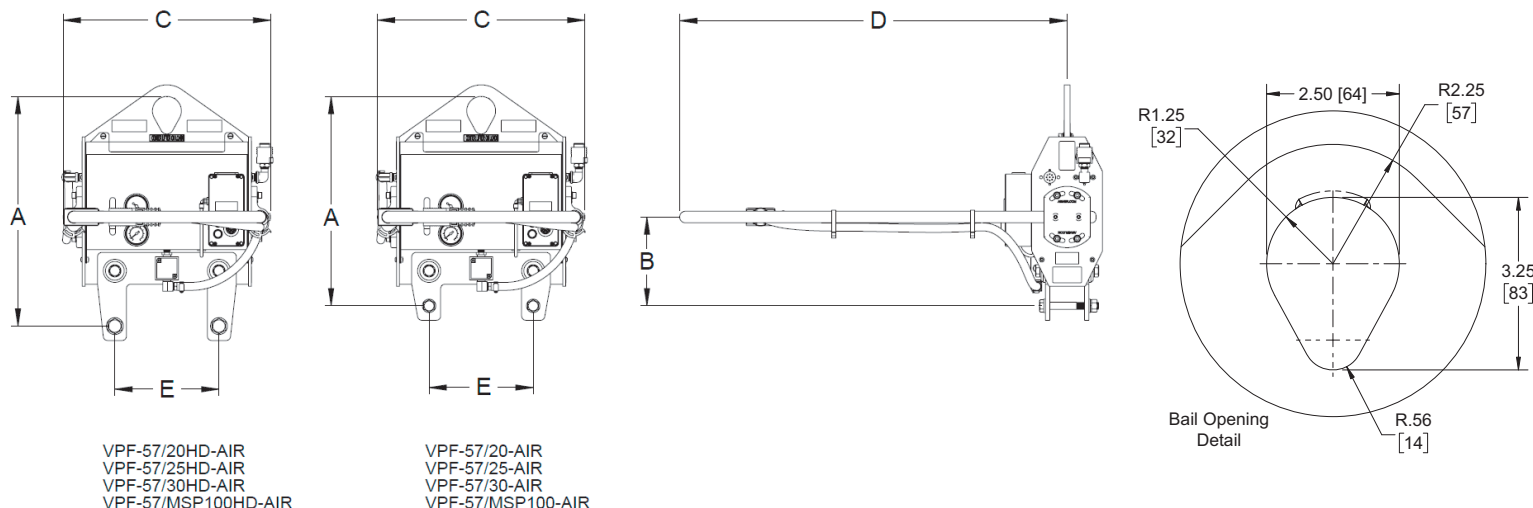
The VPF-57-AIR Series has a fully welded frame with a vacuum reservoir and a lifting bail and beam mounting hardware.

Standard for 3"x3" beam [9" hardware centers] with a structural lifting capacity rating up to 2,200 lbs (998 kg).

Heavy Duty for 3"x6" beam [9" hardware centers] with a structural lifting capacity rating up to 4,400 lbs (1,996 kg).

- **Versatility**

For larger load lifting capability or alternate power requirements, ANVER offers electric powered and self-powered mechanical vacuum generators, all with standard mounting designs for interchangeability.



Vac-Pack Model No.	VPF-57/20-AIR	VPF-57/25-AIR	VPF-57/30-AIR
Rated Load Capacity (3x3 Beams) [lbs (kg.)]	2200 (998)	2200 (998)	2200 (998)
Rated Load Capacity (3x6 Beams) [lbs (kg.)]	4400 (1996)	4400 (1996)	4400 (1996)
Unit Weight (3x3 Beams) [lbs (kg.)]	56 (25)	56 (25)	56 (25)
Unit Weight (3x6 Beams) [lbs (kg.)]	60 (27)	60 (27)	60 (27)
A Max. Headroom (3x3 Beams) [in. (mm)]	18 (457)	18 (457)	18 (457)
A Max. Headroom (3x6 Beams) [in. (mm)]	20 (508)	20 (508)	20 (508)
B Handlebar Height (3x3 Beams) [in. (mm)]	8 (203)	8 (203)	8 (203)
B Handlebar Height (3x6 Beams) [in. (mm)]	10 (254)	10 (254)	10 (254)
C Handlebar Width [in. (mm)]	18 (457)	18 (457)	18 (457)
D Handlebar Length [in. (mm)]	34 (864)	34 (864)	34 (864)
E Hardware Centers [in. (mm)]	9 (229)	9 (229)	9 (229)
Vacuum Flow [SCFM]	4.5	9.5	31.7
Air Consumption [SCFM]	6.1	14	13.4
Application	Smooth, Non-Porous	Rough, Semi-Porous	Rough, Semi-Porous
Energy Saver / Quiet Automatic Shut-Off	YES	YES	NO

\* Note: Optimum pressure is 90 psi. (72.5 psi on VPF-57/30-AIR) Air supply flow (CFM) may adversely affect required pressure (psi) to achieve optimum vacuum level. Vacuum level is 24" Hg at sea level. Due to Energy Saver Technology, air consumption is "0" on a non-porous material once the vacuum level is reached at peak value. Energy Saver not included with VPF-57/30-AIR.



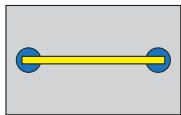
ANVER'S Standard Vacuum Lifters offer efficient material handling solutions by promoting functionality, safety, and ergonomic operations for a wide variety of applications and materials. Standard lifting frames are built to order from stock using modular components, so there are hundreds of possible combinations depending on the vacuum generator, beam, crossarms, and vacuum cups selected.

Basic features on ANVER's Standard Horizontal Vacuum Lifters include: vacuum leakage sensor and warning system; attach/release slide valve with safety lock; and locking hand knobs on the adjustable vacuum pad, slide assemblies, and crossarms (when applicable).

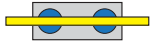
ANVER Vacuum Lifters comply fully with and meet the standards of US ANSI ASME Standard B30.20 for below-the-hook lifting devices, as well as complying with OSHA and most European requirements.

The L50M2-48, -61, and -86 two pad lifting frames are ideal for handling carbon steel and stainless steel sheets and plates with a capacity up to 500 lb (227 kg). The type of vacuum lifter – Mechanical, Air, or Electric – paired with the number of pads used will depend on your application needs. Foam pads are not available for mechanical vacuum generators.

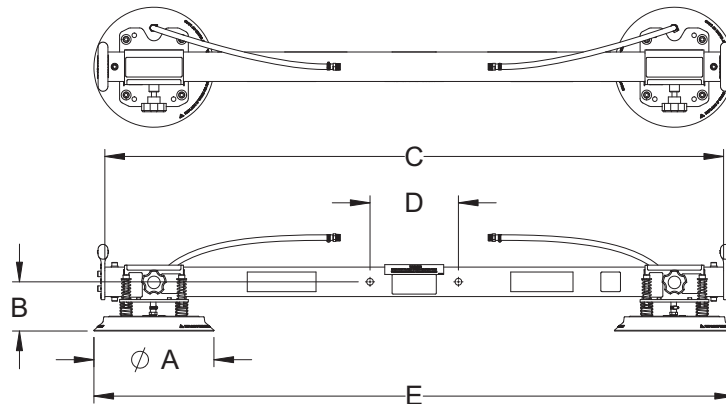
\*Lifting frame shown with vacuum generator and/or optional accessories, not included.



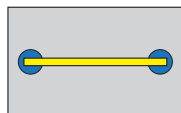
Vacuum pads in fully extended position to handle maximum plate size.



Vacuum pads moved inwards to handle shorter plate.



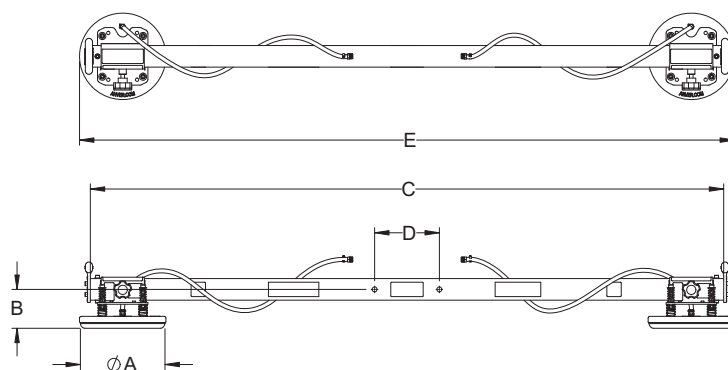
Lifting Frame Number	L50M2-48	L50M2-61	L50M2-86
Rated Load Capacity [lbs (kg)]	500 (227)	500 (227)	500 (227)
Unit Weight [lbs (kg)]	45 (20)	62 (28)	76 (34)
A Pad Diameter [in. (mm)]	9.25 (235)	9.25 (235)	9.25 (235)
B Lifting Frame Headroom [in. (mm)]	7.2 (183)	7.2 (183)	7.2 (183)
C Beam Length [in. (mm)]	50 (1270)	63 (1600)	88 (2235)
D Hardware Mounting Centers [in. (mm)]	9 (229)	9 (229)	9 (229)
E Pad Distances Maximum [in. (mm)]	49 (1245)	62 (1575)	87 (2210)
E Pad Distances Minimum [in. (mm)]	30 (762)	30 (762)	30 (762)
Maximum Sheet Size [ft (M)]	6 x 6 (1.8 x 1.8)	8 x 6 (2.4 x 1.8)	12 x 6 (3.7 x 1.8)
Seal Number	SSR-92	SSR-92	SSR-92



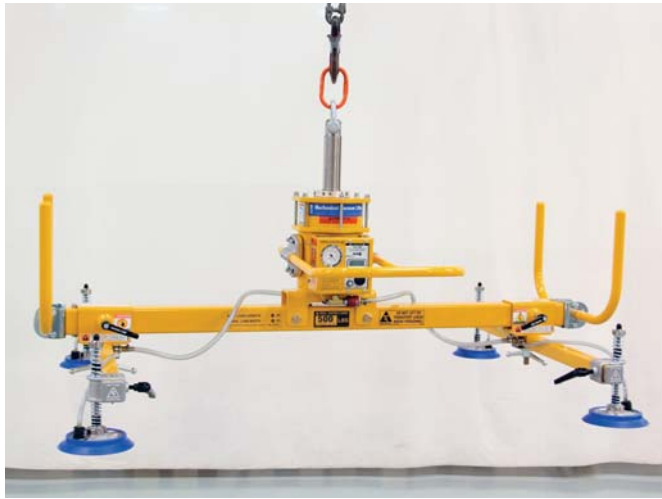
Vacuum pads in fully extended position to handle maximum plate size.



Vacuum pads moved inwards to handle shorter plate.



Lifting Frame Number	L50M2-48FP	L50M2-61FP	L50M2-86FP
Rated Load Capacity [lbs (kg)]	500 (227)	500 (227)	500 (227)
Unit Weight [lbs (kg)]	60 (27)	85 (39)	105 (48)
A Pad Diameter [in. (mm)]	12 (305)	12 (305)	12 (305)
B Lifting Frame Headroom [in. (mm)]	6 (152)	6 (152)	6 (152)
C Beam Length [in. (mm)]	50 (1270)	63 (1600)	88 (2235)
D Hardware Mounting Centers [in. (mm)]	9 (229)	9 (229)	9 (229)
E Pad Distances Maximum [in. (mm)]	53 (1346)	66 (1676)	91 (2311)
E Pad Distances Minimum [in. (mm)]	33 (838)	33 (838)	33 (838)
Maximum Sheet Size [ft (M)]	6 x 6 (1.8 x 1.8)	8 x 6 (2.4 x 1.8)	12 x 6 (3.7 x 1.8)
Seal Number	FR128	FR128	FR128



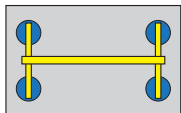
ANVER'S Standard Vacuum Lifters offer efficient material handling solutions by promoting functionality, safety, and ergonomic operations for a wide variety of applications and materials. Standard lifting frames are built to order from stock using modular components, so there are hundreds of possible combinations depending on the vacuum generator, beam, crossarms, and vacuum cups selected.

Basic features on ANVER's Standard Horizontal Vacuum Lifters include: vacuum leakage sensor and warning system; attach/release slide valve with safety lock; and locking hand knobs on the adjustable vacuum pad, slide assemblies, and crossarms (when applicable).

ANVER Vacuum Lifters comply fully with and meet the standards of US ANSI ASME Standard B30.20 for below-the-hook lifting devices, as well as complying with OSHA and most European requirements.

The L50M4-61-2/44 and -86-2/44 four-pad lifting frames are ideal for handling carbon steel and stainless steel sheets and plates with a capacity up to 500 lb (227 kg). The type of vacuum lifter – Mechanical, Air, or Electric – paired with the number of pads used will depend on your application needs. Foam pads are not available for mechanical vacuum generators.

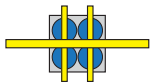
\*Lifting frame shown with vacuum generator and/or optional accessories, not included.



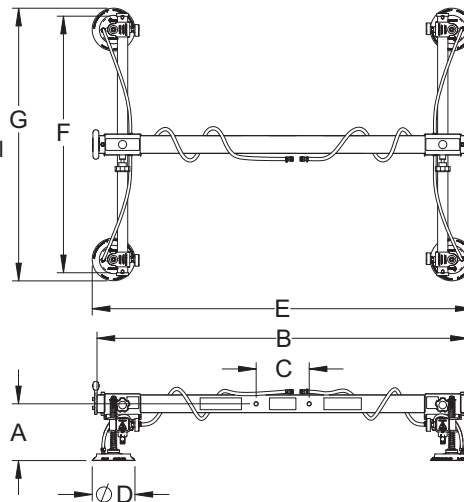
Crossarms and vacuum pads in maximum position to handle maximum plate size.



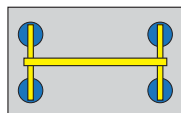
Crossarms can pivot to near parallel with spreader beam to handle narrow plates.



Vacuum pads and crossarms fully adjustable to handle short and narrow plates.



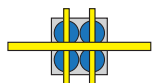
Lifting Frame Number	L50M4-61-2/44	L50M4-86-2/44
Rated Load Capacity [lbs (kg)]	500 (227)	500 (227)
Unit Weight [lbs (kg)]	90 (41)	105 (48)
A Lifting Frame Headroom [in. (mm)]	10 (254)	10 (254)
B Spreader Beam Length [in. (mm)]	63 (1600)	88 (2235)
C Hardware Mounting Centers [in. (mm)]	9 (229)	9 (229)
D Pad Diameter [in. (mm)]	7.00 (178)	7.00 (178)
E Pad Distances Maximum [in. (mm)]	64 (1626)	89 (2261)
E Pad Distances Minimum [in. (mm)]	30 (762)	30 (762)
F Crossarm Length [in. (mm)]	44 (1118)	44 (1118)
G Pad Distances Maximum [in. (mm)]	48 (1219)	48 (1219)
G Pad Distances Minimum [in. (mm)]	20 (508)	20 (508)
Maximum Sheet Size [ft (M)]	8 x 6 (2.4 x 1.8)	12 x 6 (3.7 x 1.8)
Seal Number	SSR-72	SSR-72



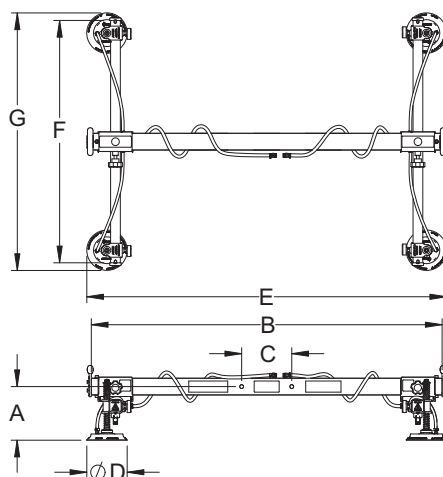
Crossarms and vacuum pads in maximum position to handle maximum plate size.



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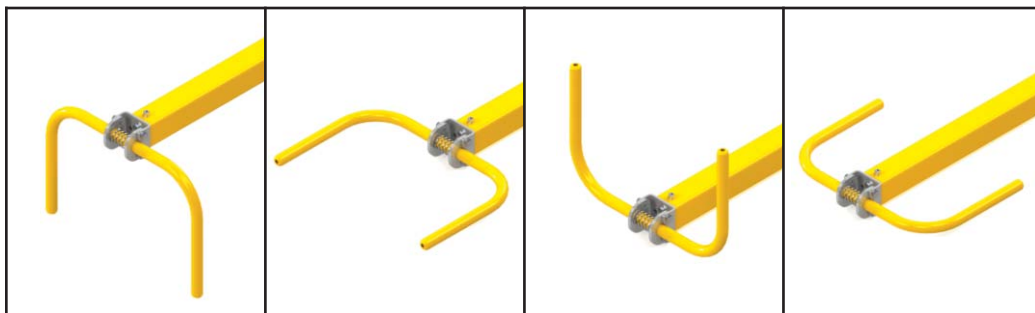


Lifting Frame Number	L50M4-61-2/44FP	L50M4-86-2/44FP
Rated Load Capacity [lbs (kg)]	500 (227)	500 (227)
Unit Weight [lbs (kg)]	100 (45)	115 (52)
A Lifting Frame Headroom [in. (mm)]	10 (254)	10 (254)
B Spreader Beam Length [in. (mm)]	63 (1600)	86 (2184)
C Hardware Mounting Centers [in. (mm)]	9 (229)	9 (229)
D Pad Diameter [in. (mm)]	8.25 (210)	8.25 (210)
E Pad Distances Maximum [in. (mm)]	65 (1651)	90 (2286)
E Pad Distances Minimum [in. (mm)]	31 (787)	31 (787)
F Crossarm Length [in. (mm)]	44 (1118)	44 (1118)
G Pad Distances Maximum [in. (mm)]	49 (1245)	49 (1245)
G Pad Distances Minimum [in. (mm)]	21 (533)	21 (533)
Maximum Sheet Size [ft (M)]	8 x 6 (2.4 x 1.8)	12 x 6 (3.7 x 1.8)
Seal Number	FR88	FR88



In the "Down" position, which is recommended when you store the vacuum lifter, the parking stands provide support for the lifter so that the vacuum's rubber seals will not touch the ground. This protects the seals from damage as well as helping to maintain their shape and prevent them from flattening out.

In a "Folded In, Out or Up" position, standard spring loaded parking stands provide a Grab Bar for positioning the lifter easily and precisely onto the load from the side of the lifter.



## Features

- Adjustable in Four Positions: Pull Sideways, Turn, Let Go and it Locks in Position
- Spring-Loaded Locking Mechanism Snaps into Position for One-sided, Quick Adjustments
- ANVER Spring-Loaded, Adjustable, Four Position Parking Stands keep the vacuum sealing rings clean and debris-free. PLUS, in their other positions, they can be used to locate the lifter precisely over the load. They feature rugged steel construction.

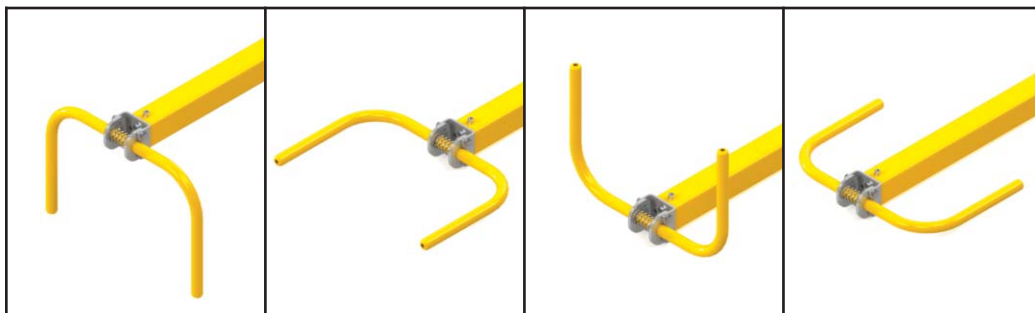
Part Number	For Use With	Mounting	Pair Weight lb (kg)
PS-150-3X3	3" sq beams up to 120" long with cap. up to 2200 lbs	Bolt on	16 (7)
PS-150-3X6	3x6" beams up to 190" long with cap. up to 3000 lbs	Bolt on	15 (6.8)
72000173	bolt on to generators up to 2200 lbs	Bolt on	22 (10)
72000174	bolt on to generators up to 4400 lbs	Bolt on	22 (10)
72000038	3x6" beams up to 190" long with cap. 2000 lbs to 4400 lbs	Bolt on	32 (15)
72000040	3x6" beams up to 231" long with cap. 2000 lbs to 4600 lbs	Adjustable slide mounted	59 (27)
72000041	5x7" beams up to 325" long with cap. 3000 lbs to 6000 lbs	Adjustable slide mounted	68 (31)
72000128	5x7" beams up to 250" long with cap. 4000 lbs to 9600 lbs	Bolt on	37 (17)

Parking Stands Assemblies are based on lifter configuration, pad suspension, and load type. Any variations of the criteria may result in a part number change at the discretion of Anver Corporation.



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