

A woman with long brown hair, wearing a black polo shirt with a Palamatic logo, is smiling and operating a sack lifter. She is holding a blue-handled control lever. The sack lifter has a blue, pleated, vertical cylinder and a metal base. A large white sack with the 'for farmers' logo is being lifted by the device.

Product Solutions Sack Lifters

PRODUCT CATALOGUE

For over 20 years, Palamatic Ltd has significantly contributed in reducing unsafe manual handling tasks, minimising employee injuries, protecting products from transit damage, and improving the allocation of labour resources within the warehouse and factory environment. Our lifting solutions can do the same for you.

This catalogue offers you instant access to our internationally recognised and successful Custom ranges of vacuum tube lifting systems, targeted at meeting the requirements of today's Drum and Panel handling. Through years of continuous development, each tube lifter option, listed within this catalogue, has been designed to satisfy a range of both commonplace and more specialist material handling needs.

With the advantage of having all Standard Solution products available for off-the-shelf despatch and a dedicated team of products specialists ready to engineer Custom Solutions to meet your requirements, we are able to offer you and/or your client a world class lifting system with a quick turnaround and a service which is second to none.

AU = AUTOMOTIVE

C = CARTONS/BOXES

D = DRUMS

E = ELECTRICAL & WHITE GOODS

F = FOOD

GM = GENERAL MANUFACTURING

K = KEGS

P = PACKAGING

PA = PALLETS

PR = PRINTING

R = REELS

REF = REFRACTORY

RU = RUBBER

S = SACKS

W = WOODWORKING

M = MANIPULATORS

PL= PNEULIFTS

PIL = PILLAR LIFT

G = GANTRIES

MO = MOBILE

VG = VACUUM GRIP

SVG = SIDE VACUUM GRIP

PG = PNEUMATIC GRIP

MG = MECHANICAL GRIP

SACKLITE-VG-

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SACK LIFTING SOLUTIONS

AccuTech



For over 20 years, Palamatic Ltd has significantly contributed in reducing unsafe manual handling tasks, minimising employee injuries, protecting products from transit damage, and improving the allocation of labour resources within the warehouse and factory environment. Our lifting solutions can do the same for you.

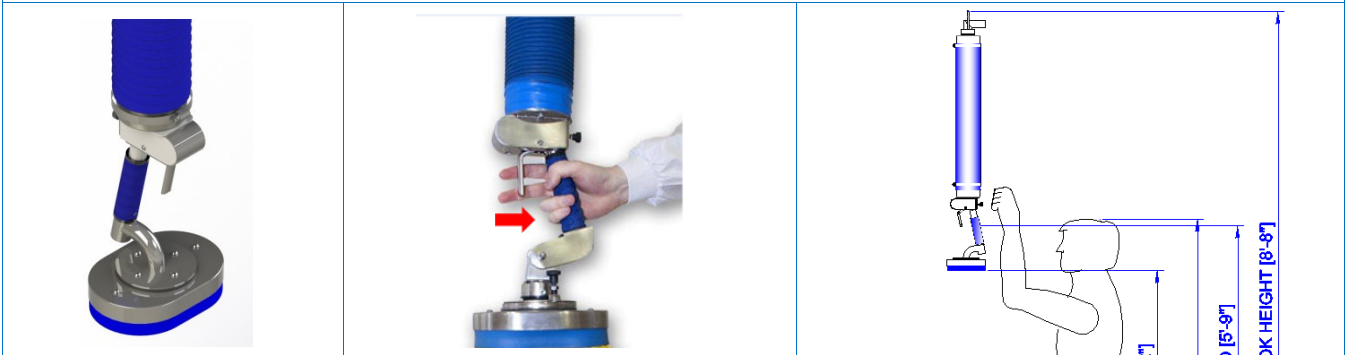
This section of our catalogue offers you instant access to our internationally recognised and successful **Standard** and **Custom** ranges of vacuum tube lifting systems, targeted at meeting the requirements of today's **Sack** and **Bag** handling

Through years of continuous development, each tube lifter option, listed within this catalogue, has been designed to satisfy a range of both commonplace and more specialist material handling needs.

With the advantage of having all **Standard Solution** products available for off-the-shelf despatch and a dedicated team of products specialists ready to engineer **Custom Solutions** to meet your requirements, we are able to offer you and/or your client a world class lifting system with a quick turnaround and a service which is second to none.

10 - 20KG LIGHT DUTY PLASTIC SACKS AND BAGS

General Pricebook Solution: Light duty solution for de-palletising processes from pallet stack, production to feed hopper or sack tip station

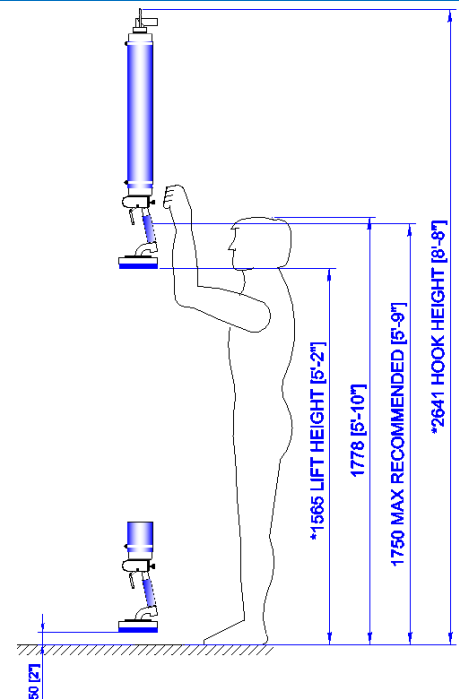


Specification features:

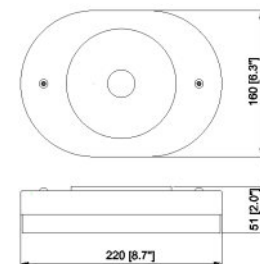
- **LITE™** sack lifting unit aimed at handling well packed 2 or 3 ply **plastic sacks** weighing up to 20kg.
- The lift tube offers a **1700mm stroke** to cover most general handling operations.
- The LITE-HAND™ control design incorporates a **single handed** operation which is light and easy to operate.
- A factory set integral **assisted release device** is incorporated within the control valve unit for quick and easy release of any load.
- The 220mm x 160mm suction pad is constructed from **304 Stainless Steel** as standard and consists of a **silicone seal** to mould to the uneven surface of the bag.


Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum LITE-HAND™ trigger height that Palamatic recommend is **1750mm**.



THE **LIFT HEIGHT & HOOK HEIGHT** DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED



	Specification	
	EVG840-3-50	ELECTRICAL VACUUM GENERATOR
	SLTA1001700-STD	Ø100mm SINGLE VACUUM LIFT TUBE WITH 1700mm STROKE
	LITE-TRIGGER	VACUUM CONTROL HOUSING WITH TRIGGER VALVE - 304 S/STEEL
	LITE-FIXED	PALAMATIC LITE VACUUM CONTROL HEAD ADAPTOR - FIXED
	LITE-220x160V-STD	SMALL OVAL SACK FOOT ASSEMBLY (220mm x 160mm) c/w BLUE SILICONE VERTICAL SEAL
SACKLITE-10KG		Up to 10kg
SACKLITE-20KG		Up to 20kg

25KG (PAPER) TO 50KG (PLASTIC) SACKS AND BAGS

General Pricebook Solution : Medium duty solution for de-palletising processes from pallet stack, production to feed hopper or sack tip station

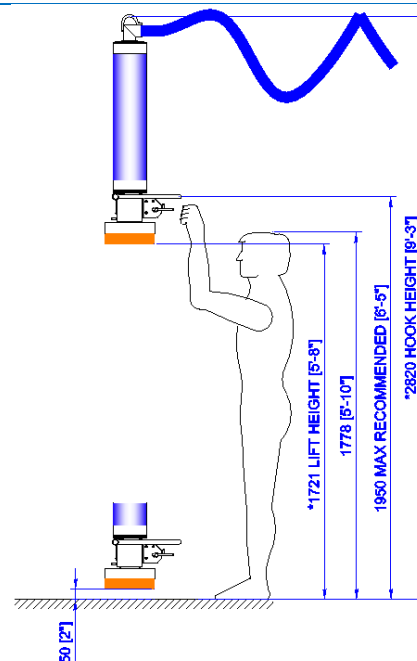


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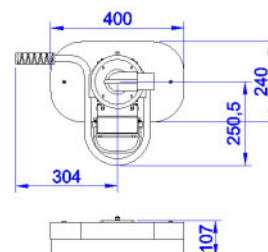
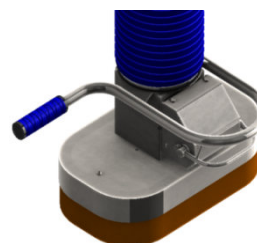
- Aimed at applications handling well packed 2 or 3 ply **paper bags** and **plastic sacks** weighing up to 25kg (see upgrade options for heavier loads).
- The lift tube offers a **1700mm stroke** which covers most general handling operations.
- The handle is ergonomic in design offering the operator the **most natural control** for the lifting operation. Extended and flexible handle option are available (see upgrade options) for high stack/reach applications
- 4 control valve options are available with this assembly, however the **plate type stayput lever valve** (SLINE-CV3) is included here.
- The 400mm x 240mm Suction foot is constructed from **304 Stainless Steel** as standard and consists of a hard **natural rubber inner seal** and a softer **orange outer sponge seal** which together mould effectively to the uneven surface of the bag.

Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.



THE LIFT HEIGHT & HOOK HEIGHT DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED



Specification

VPDD62050/60	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA160-1700-MS	LIFT TUBE ASSEMBLY WITH A 1700mm STROKE
SLINE-CC-STD	CONTROL HEAD ASSEMBLY
SLINE-CH-STD	COMPACT CONTROL HANDLE ASSEMBLY
SLINE-CV3	PLATE TYPE STAYPUT CONTROL VALVE ASSEMBLY
SLINE-400X240DV-STD	SACK SUCTION FOOT ASSEMBLY
SACKLIFT-25KG	50kg max non porous
SACKLIFT-35KG	65kg max non-porous

Additional Options:

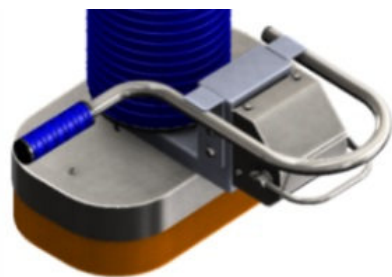
SLINE-LOMO

Assisted release device, mounted on the control handle.



25KG (PAPER) TO 50KG (PLASTIC) SACKS AND BAGS

General Pricebook Solution: Medium duty solution where low headroom, combined with lift height is an issue

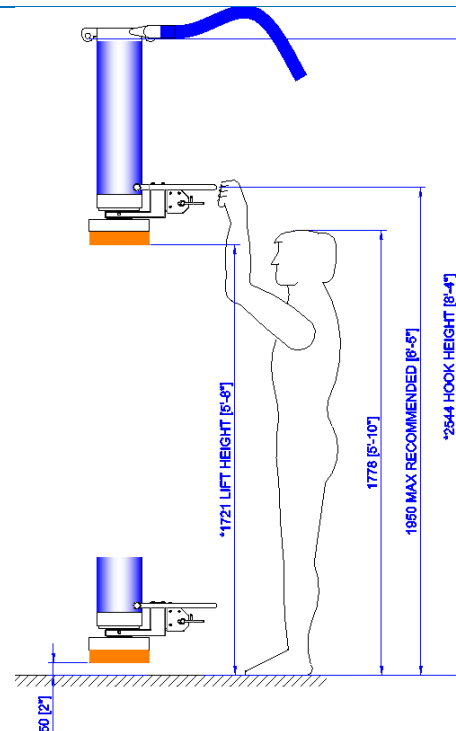


Specification Features:

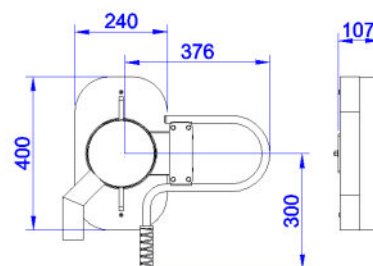
- Aimed at applications with well packed 2 or 3 ply **paper bags** and **plastic sacks** weighing up to 25kg (see upgrade options for heavier loads).
- This unit is utilised where **headroom height** combined with **lift height** requirements are an issue.
- A special **low headroom lift tube** assembly enables vacuum lifting in areas where traditionally it hasn't been possible.
- The handle is ergonomic in design offering the operator the most **natural control** for the lifting operation. A flexible handle option is available (see upgrade options) for those high stack/reach applications.
- 4 control valve options are available with this assembly, however the **plate type stayput lever valve** (SLINE-CV3) is recommended for ease of release.
- The Suction foot is constructed from **304 Stainless Steel** as standard and consists of a hard **natural rubber inner seal** and a softer **orange outer sponge seal** which together mould effectively to the uneven surface of the bag.
- Due to the design of the low headroom top can, the gantry support requires **2 x Suspension hangers** to support the lifter.

Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.



THE LIFT HEIGHT & HOOK HEIGHT DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED

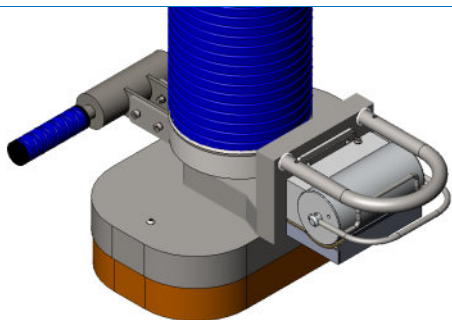


Specification

VPDD62050/60	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA180-1700-MS	SINGLE LIFT TUBE ASSEMBLY WITH 1700mm LIFT STROKE
SLINE-LH-STD	LOW HEADROOM CONTROL HEAD ASSEMBLY
SLINE-LHCH-STD	LOW HEADROOM COMPACT CONTROL HANDLE ASSEMBLY
SLINE-CV3	PLATE TYPE STAYPUT LEVER VALVE ASSEMBLY
SLINE-400X240DV-STD	SACK SUCTION FOOT ASSEMBLY
SACKLIFT-25KG-LH	65kg max non-porous
SACKLIFT-35KG-LH	65kg max non-porous

25KG (PAPER) TO 50KG (PLASTIC) SACKS AND BAGS

General Pricebook Solution: Medium duty solution where low headroom, combined with lift height is an issue

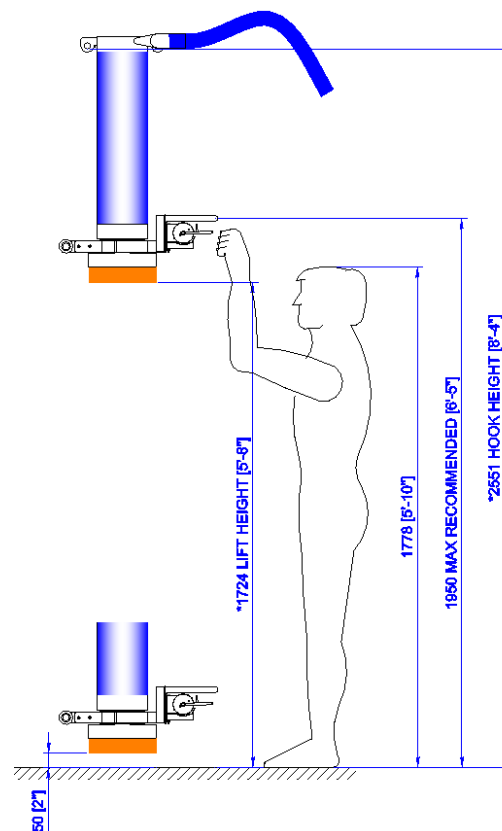


Specification Features:

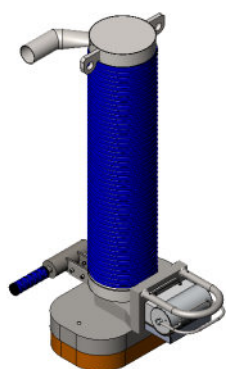
- Aimed at applications with well packed 2 or 3 ply **paper bags** and **plastic sacks** weighing up to 25kg (see upgrade options for heavier loads).
- This unit is utilised where **headroom height** combined with **lift height** requirements are an issue.
- A special **low headroom lift tube** assembly enables vacuum lifting in areas where traditionally it hasn't been possible.
- The handle is ergonomic in design offering the operator the most **natural control** for the lifting operation. A flexible handle option is available (see upgrade options) for those high stack/reach applications.
- 4 control valve options are available with this assembly, however the **plate type stayput lever valve** (SLINE-CV3) is recommended for ease of release.
- The Suction foot is constructed from **304 Stainless Steel** as standard and consists of a hard **natural rubber inner seal** and a softer **orange outer sponge seal** which together mould effectively to the uneven surface of the bag.
- Due to the design of the low headroom top can, the gantry support requires **2 x Suspension hangers** to support the lifter.

Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.



THE LIFT HEIGHT & HOOK HEIGHT DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED



Specification

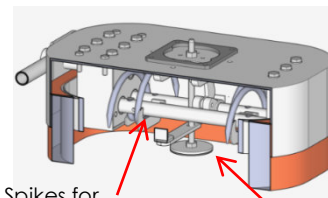
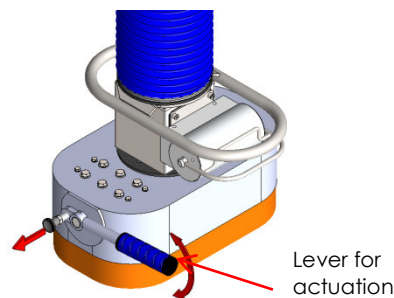
VPDD62050/60	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA180-1700-MS	SINGLE LIFT TUBE ASSEMBLY WITH A 1700mm LIFT STROKE
PLLH-SPL-STD	PL LOW HEADROOM CONTROL HEAD ASSEMBLY
SLINE-400X240DV-STD	SACK SUCTION FOOT ASSEMBLY
SACKLIFT-25KG-LH	50kg max non-porous
SACKLIFT-50KG-LH	65kg max non-porous

35 TO 75KG BURLAP/HESSIAN/JUTE/POLYWOVEN, PAPER AND PLASTIC

General Pricebook Solution: For general de-palletising processes from pallet stack to feed hopper where both vacuum and mechanical spike grip might be required

The operator deploys the spikes by pulling on a lever set to one side of the suction head. This seals off vacuum and allows the spikes to grip into the bag material. The lifting operation continues via the vacuum control lever.

When lifting paper / plastic bags, the spikes are manually retracted and the rubber seals are then allowed to function as a standard vacuum bag lifter.

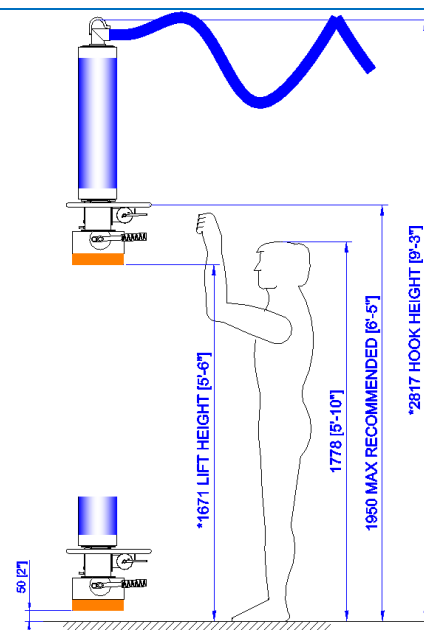


Specification Features:

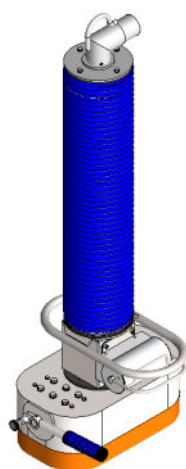
- Unique to Palamatic, this unit is aimed at applications for handling bags made of **woven materials** such as burlap (jute/hessian) and polywoven without inner liners, as well as most 2 or 3 ply paper bags and plastic sacks weighing up to 75kg, typically containing raw food ingredients such as coffee beans and spices etc.
- The lift tube offers a **1700mm stroke** which covers most pallet stacking operations.
- An **oval handle** design allows the operator all round handling of the sacks/bags.
- A combination foot comprising of a hard **natural rubber inner seal** and a softer **orange outer sponge seal** for vacuum lifting and **4 hardened spikes** which can be activated using a lever, for spike gripping

Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.
- The unit **MUST ALWAYS** be stored with the spikes **RETRACTED**.



THE LIFT HEIGHT & HOOK HEIGHT DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED



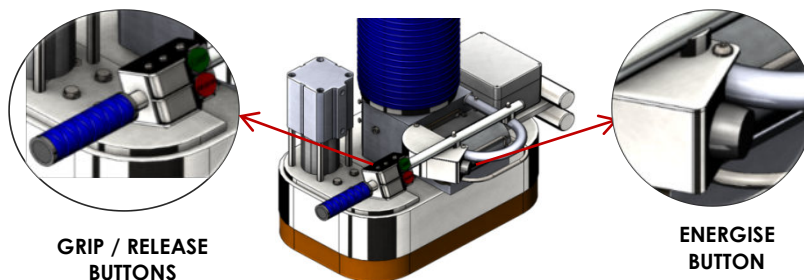
Specification

VPDD62050/60	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA200-1700-MS	LIFT TUBE ASSEMBLY WITH A 1700mm LIFT STROKE
SLINE-CC-STD	CONTROL HEAD ASSEMBLY
SLINE-OVAL-STD	OVAL CONTROL HANDLE ASSEMBLY
SLINE-CV1	QUADRANT TYPE STAYPUT CONTROL VALVE ASSEMBLY
SLINE-400X240SG-MS	COMBINATION SUCTION FOOT WITH DOUBLE SUCTION SEALS & MECHANICAL SPIKE GRIPPER
SPIKEGRIP-35KG	35kg max non porous
SPIKEGRIP-50KG	50kg max non-porous
SPIKEGRIP-75KG	75kg max non-porous

35 TO 75KG BURLAP/HESSIAN/JUTE/POLYWOVEN, PAPER AND PLASTIC

Custom Solution: For general de-palletising processes from pallet stack to feed hopper where both vacuum and "pneumatic" spike grip might be required

The operator activates the spikes by simultaneously pressing the **grip** and **energise** buttons. This seals off vacuum and allows the spikes to grip into the bag material. To retract the spikes the operator simultaneously presses the **release** and **energise** buttons. The spikes are retracted and the rubber seals are then allowed to function as a standard vacuum bag lifter.

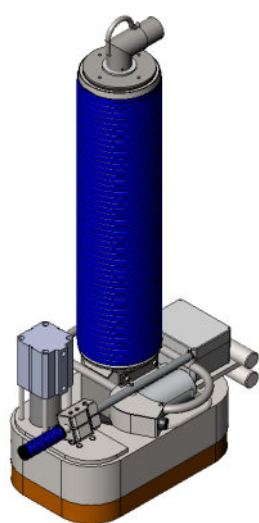
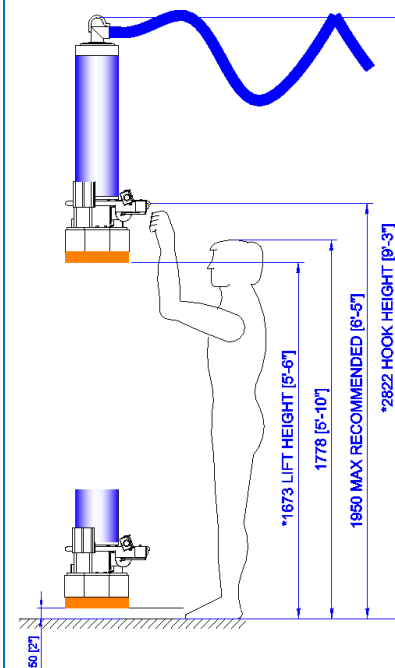


Specification Features:

- Unique to Palamatic, this unit is aimed at applications for handling bags made of **woven materials** such as burlap (jute/hessian) and polywoven without inner liners, as well as most 2 or 3 ply paper bags and plastic sacks weighing up to 75kg, typically containing raw food ingredients such as coffee beans and spices etc.
- The lift tube offers a **1700mm stroke** which covers most pallet stacking operations.
- The **control handle** consists of push button controls for pneumatic activation of the spikes. For safety purposes the spike grip activation is a 2 handed operation and requires that both the **GRIP** or **RELEASE** buttons are pressed simultaneously with the **ENERGISE** button. Releasing either button will cause the pneumatic operation to stop.
- The suction pad is 400mm x 240mm x 150mm deep and comprises of a hard **natural rubber inner seal** and a softer **orange outer sponge seal** which together, mould effectively to the uneven surface of the bag.

Recommendations

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.
- The unit **MUST ALWAYS** be stored with the spikes **RETRACTED**

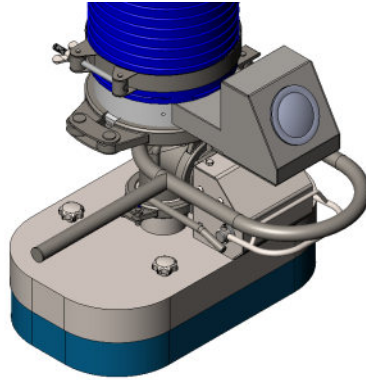


Specification

VPDD62050	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA200-1700-MS	LIFT TUBE ASSEMBLY WITH 1700mm STROKE
SLINE-CC-STD	CONTROL HEAD ASSEMBLY
SLINE-OVAL-STD	OVAL CONTROL HANDLE ASSEMBLY
SLINE-CV1	QUADRANT TYPE STAYPUT CONTROL VALVE ASSEMBLY
SLINE-400X240PNEUSG-MS	PNEUMATIC SPIKE GRIPPER, PNEUMATICALLY ACTUATED WITH PUSH BUTTON CONTROLS – MILD STEEL
PPK	PNEUMATIC PIPE KIT
FILTER	FILTER REGULATOR SET
SPIKEGRIP-PNEU-35KG	35kg max non porous
SPIKEGRIP-PNEU-50KG	50kg max non porous

25KG (PAPER) TO 50KG (PLASTIC) HYGIENIC SACK AND BAG LIFTING SOLUTION

Custom Solution: For general bag de-palletizing processes in hygienic environments

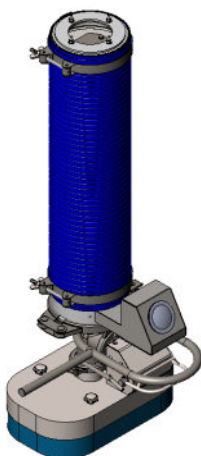
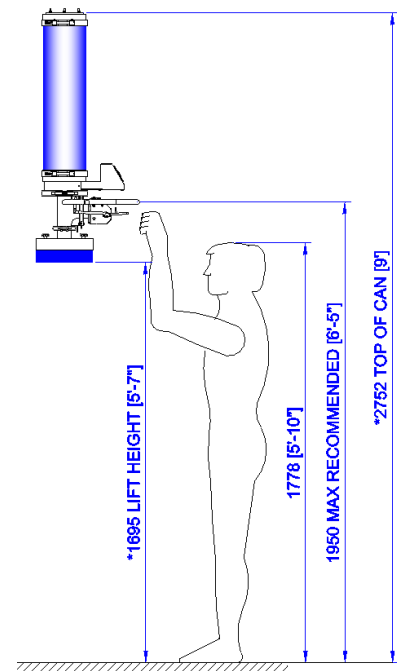


Specification Features:

- **High specification** stainless steel **304 cGMP** vacuum tube lifting system unique in design to Palamatic.
- Ideal for handling a variety of 2 or 3 ply **paper bags** and plastic sacks up to 25kg (see upgrade options for heavier loads).
- Incorporates an internal filtration system meaning no downstream contamination of the internal lift tube, vacuum transfer hose and exhaust of the vacuum pump.
- The lifter is supplied with a "wipe down" lift tube cover.
- The unit is of a light weight and hand demountable for easy cleaning.
- The suction pad is 400mm x 240mm x 110mm comprised of double vertical FDA approved silicone suction seals.
- When suspended from a Palamatic stainless steel articulated jib crane, this unit is ideally suited to de-palletizing and palletizing in food and dairy process environments.

Recommendations:

- The sack lifter should be installed so that the suction foot is at least **50mm** from the floor level when at full stroke
- The maximum control handle height that Palamatic recommend is **1950mm**.



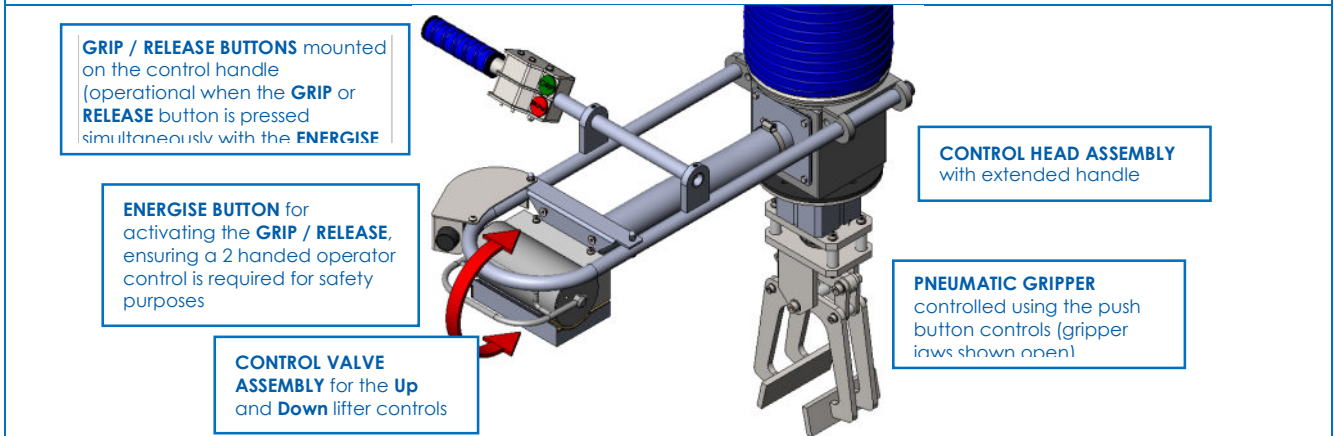
Specification

PPV-VPASS-3.3-415-50	VACUUM PUMP ASSEMBLY c/w FRAME, VRV & FILTER
PPV-HSLTA180-1700-SS	HYGIENIC LIFT TUBE ASSEMBLY INCORPORATING TRI-CLOVER CLAMP CONNECTION – 304 S/STEEL
LTC180	LIFT TUBE COVER
PPV-VCH-STD	HYGIENIC CONTROL HEAD ASSEMBLY c/w TRI-CLOVER CLAMP CONNECTION - 304 S/STEEL
SLINE-CV3	PLATE TYPE STAYPUT CONTROL VALVE ASSEMBLY – 304 S/STEEL
H7203-SS-BLUSIL	SACK SUCTION FOOT ASSEMBLY WITH DOUBLE SUCTION SEALS – BLUE SILICONE FDA APPROVED

SACKLIFT-25KG-HYG

25 - 50KG PAPER OR PLASTIC BAG GRIPPER

Custom Solution: For gripping bags via a tied knot, to be lifted out of barrels / buckets etc.

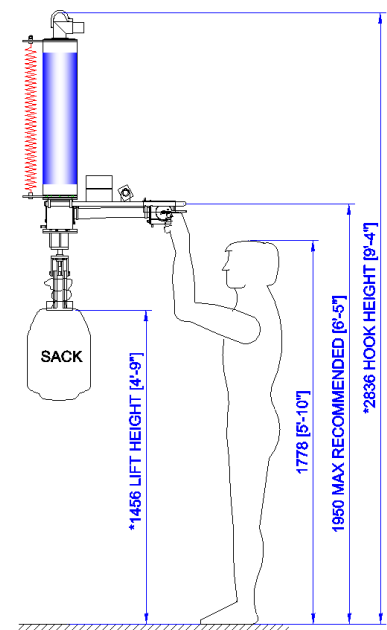


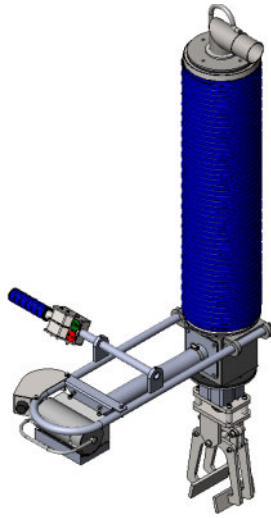
Specification:

- This engineered tooling design is aimed at applications for **gripping** either vertically standing bags or plastic liners out of barrels or buckets etc., gripping around the knot.
- Raising and lowering of the pay-load is **conventionally** operated using the control lever.
- The operator opens and closes the **gripping jaws** via a push-button controls fitted locally to the vacuum control valve.
- A safety **"energise"** button is included to ensure that the grip/release operation is activated with 2 handed operated controls
- Safety features in-built on all Palamatic pneumatic gripping tools means that the load **cannot be released in the air**, only when it is landed in the required position will the operator be able to activate the release button.
- The **'side handle'** allows the operator to approach the lift across the bags long edge, using the side handle as a guide for ease of use.
- The gripping jaws are generally manufactured from carbon steel, with a bright zinc plated finish.

Recommendations:

- The maximum control handle height that Palamatic recommend is **1950mm**



	Specification	
	VPDD62050/60	VACUUM PUMP ASSEMBLY
	VRV-VPAS-MS	VACUUM RELIEF VALVE
	CF200-P	CARTRIDGE FILTER
	SLTA180-1700-MS	LIFT TUBE ASSEMBLY
	SLINE-CC-STD	CONTROL HEAD ASSEMBLY
	SLINE-EX550-STD	COMPACT CONTROL HANDLE ASSEMBLY
	SLINE-CV1	QUADRANT TYPE STAYPUT CONTROL VALVE ASSEMBLY
	PALAGRIP	PNEUMATIC GRIPPER WITH PUSH BUTTON CONTROLS FOR GRIP & RELEASE & ENERGISE SAFETY BUTTON FEATURE
	FILTERREGSET	FILTER REGULATOR SET
	PPK-EXT	EXTERNAL PNEUMATIC PIPE KIT
PALAGRIP-25KG PALAGRIP-50KG		

25 - 60KG PAPER OR PLASTIC BAG KNOT HOOK

Custom Solution: For gripping bags via a tied knot, to be lifted out of barrels / buckets etc.

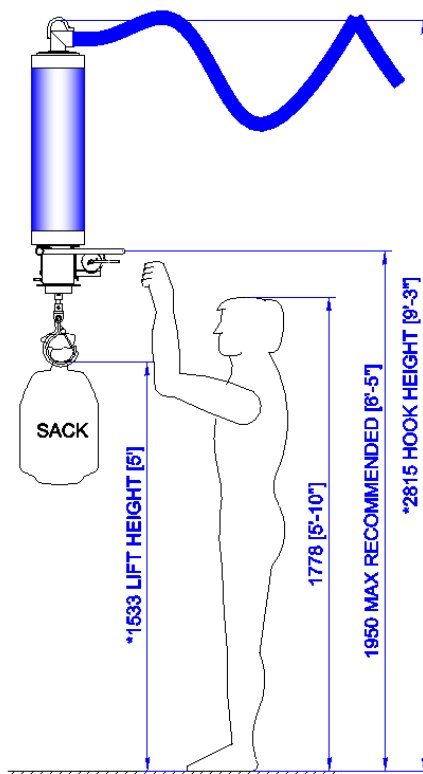


Specification Features:

- This simple mechanical tooling design is aimed at applications for **lifting plastic liners out of barrels**, gripping around the **knot**. This is a low cost solution for such applications.
- The operator must physically **locate the hook** below the bags knot in order to secure the load safely. Raising and lowering of the payload is conventionally operated using the control lever.
- 4 control valve options are available with this assembly, however the **quadrant type stayput lever valve** (SLINE-CV1) is recommended for ease of release.
- The '**side handle**' design allows the operator to approach the lift across the bags long edge, using the side handle as a guide for ease of use.
- The **hook** is generally manufactured from carbon steel, with a bright zinc plated finish.

Recommendations:

- The maximum control handle height that Palamatic recommend is **1950mm**



THE LIFT HEIGHT & HOOK HEIGHT DIMENSIONS ARE BASED ON THE MAXIMUM RECOMMENDED CONTROL HANDLE HEIGHT



Specification

VPDD62050/60	VACUUM PUMP ASSEMBLY
VRV-VPAS-MS	VACUUM RELIEF VALVE
CF200-P	CARTRIDGE FILTER
SLTA180-1700-MS	LIFT TUBE ASSEMBLY
SLINE-CC-STD	CONTROL HEAD ASSEMBLY
SLINE-CH-STD	COMPACT CONTROL HANDLE ASSEMBLY
SLINE-CV1	QUADRANT TYPE STAYPUT CONTROL VALVE ASSEMBLY
KNOTHOOK	MECHANICAL HOOK ASSEMBLY WITH INTEGRAL UNLOADED VENT VALVE
SACKHOOK-25KG	25kg max
SACKHOOK-50KG	50kg max

Palamatic

Handling solutions designed for you

AccuTech

Palamatic manufactures lifting and handling solutions for all general industries including Woodworking, Chemicals, Food, Packaging, Refractory, White Goods, Printing and Logistics.

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