

Self-suction Vacuum Lifters for horizontal transport of smooth, non porous loads



U01-E



U02-E



U02-6



U075-E



U125-4L



U250-4Q



U400-6

VACU-LIFT offers you a wide variety of standard systems for the gentle transport of your loads, also for sensitive products. A tried and tested technique with outstanding durability.

- > energy independent
- > automatic mode
- > plug & play, immediately ready for operation
- > standard and individual solutions

> lifting capacities of up to 4,000 kg

Easy Solutions For Heavy Loads.

VACU LIFT
Vacuum Transport Systems

Self-suction Vacuum Lifters for horizontal transport of smooth, non porous loads

More than 40 years ... more than 20,000 devices worldwide

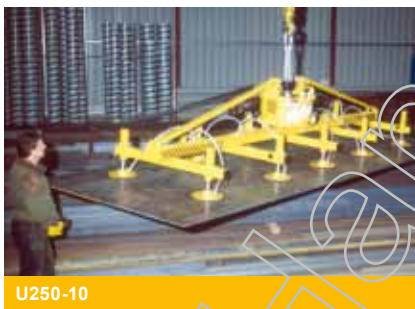
For more than 40 years VACU-LIFT has developed, produced and sold vacuum transport systems. As the inventor of independent vacuum lifters, we have gained an internationally acknowledged reputation.

More than 20,000 devices are in use around the world and we can proudly claim to be one of the leading manufacturers of vacuum transport systems worldwide. In the coming years we will improve and strengthen our position with our technical knowledge and selective investments in R&D, which will also ensure your success in the future.

VACU-LIFT is a guarantor for sophisticated systems with long-life durability and convenience in use and functionality.

Further advantages

- > low maintenance and easy to service
- > increased safety with optical-acoustical safety unit accordingly DIN EN 13155
- > simply controlled for e.g. by crane control
- > for indoor and outdoor use
- > made in Germany



Service

One part of our services is the prompt delivery of all relevant components.

Furthermore, our team of experienced customer engineers and service technicians are also at your disposal.

Easy Solutions For Heavy Loads.

Basic unit

Each specific type series has the same basic unit. The customised devices are equipped with different beams, suction pads and with high quality sealing rings, which are exchangeable.

If required oil or heat resistant sealing rings are also available.

As an option for the transport of smaller loads it is possible to switch off individual suction pads of a multipad device.

The design configurations shown are our standard range, however, we also offer customised devices for loads up to 4,000 kg. Please contact us with your requirements.

Type series U01

Single pad device type U01-E



Lifting capacity	75 kg
Minimum load	5 kg
Dead weight	6,7 kg
Sealing ring	U100-3
Suction pads Quantity/Size	1 / ø 210 mm
Maximum size of the load*	1000 x 1000 x 2 mm
Minimum size of the load	ø 220 mm
Dimensions	ø 210 mm, 440 mm (h)

Type series U02

Single pad device type U02-E

Multi pad device type U02-2

Multi pad device type U02-4

Multi pad device type U02-6



Lifting capacity	270 kg	300 kg	300 kg	270 kg
Minimum load	10 kg	5 kg	5 kg	5 kg
Dead weight	25 kg	67 kg	75 kg	86 kg
Suction pad type	U255	U255	U125	U100
Suction pads Quantity/Size	1 / ø 350 mm	2 / ø 350 mm	4 / ø 250 mm	6 / ø 210 mm
Maximum size of the load*	2000 x 1000 x 2 mm	3000 x 1500 x 2 mm	3000 x 1500 x 2 mm	3000 x 1500 x 1 mm
Minimum size of the load	350 x 350 mm	710 x 350 mm	510 x 250 mm	670 x 430 mm
Dimensions (l x w x h)	ø 350 mm, 615 mm (h)	1850 x 350 x 815 mm	2250 x 250 x 880 mm	2210 x 1000 x 930 mm
Height compensation	-	-	50 mm	50 mm
Beams	-	-	subcarriers slidable	outer cross beams slidable
Suction pads	-	slidable	slidable, outer switchable	slidable

Type series U075	Single pad device type U075-E	Multi pad device type U075-2	Multi pad device type U075-3	Multi pad device type U075-6
------------------	-------------------------------	------------------------------	------------------------------	------------------------------



Lifting capacity	640 kg	750 kg	750 kg	650 kg
Minimum load	35 kg	20 kg	20 kg	20 kg
Dead weight	78 kg	141 kg	151 kg	175 kg
Suction pad type	U500	U450	U255	U125
Suction pads Quantity/Size	1 / ø 480 mm	2 / ø 415 mm	3 / ø 350 mm	6 / ø 250 mm
Maximum size of the load*	2000 x 1000 x 2 mm	3000 x 1500 x 2 mm	3000 x 1500 x 2 mm	3000 x 1500 x 1 mm
Minimum size of the load	480 x 480 mm	840 x 415 mm	1070 x 350 mm	250 x 510 mm
Dimensions (l x w x h)	ø 480 mm, 850 mm (h)	1915 x 415 x 1070 mm	2350 x 350 x 1180 mm	2250 x 1000 x 1210 mm
Height compensation	-	-	50 mm	50 mm
Beams	-	-	-	outer cross beams slidable
Suction pads	-	slidable	outer slidable	slidable, outer pairs switchable

Type series U125	Single pad device type U125-E	Multi pad device type U125-2	Multi pad device type U125-4L	Multi pad device type U125-6
------------------	-------------------------------	------------------------------	-------------------------------	------------------------------



Lifting capacity	1100 kg	1250 kg	1250 kg	1250 kg
Minimum load	35 kg	25 kg	25 kg	25 kg
Dead weight	135 kg	285 kg	355 kg	350 kg
Suction pad type	U1000	U1000	U450	U255
Suction pads Quantity/Size	1 / ø 625 mm	2 / ø 625 mm	4 / ø 415 mm	6 / ø 350 mm
Maximum size of the load*	2000 x 2000 x 2 mm	3000 x 1500 x 2 mm	6000 x 2000 x 2 mm	3000 x 1500 x 1 mm
Minimum size of the load	625 x 625 mm	1250 x 625 mm	840 x 415 mm	350 x 710 mm
Dimensions (l x w x h)	ø 625 mm, 950 mm (h)	2125 x 625 x 1220 mm	4415 x 415 x 1320 mm	1900 x 1000 x 1300 mm
Height compensation	-	-	70 mm	50 mm
Beams	-	-	subcarriers slidable	outer cross beams slidable
Suction pads	-	slidable	slidable, outer switchable	slidable, outer pairs switchable

* It is important that there is no bending of the load during transportation. The above maximum load sizes refer to steel sheet thickness of 1 or 2 mm. A different thickness or material may alter the specifications.

Type series U250

Multi pad device
type U250-4Q

Multi pad device
type U250-2

Multi pad device
type U250-4L

Multi pad device
type U250-10



Lifting capacity	2300 kg	2100 kg	2200 kg	2200 kg
Minimum load	70 kg	70 kg	70 kg	70 kg
Dead weight	450 kg	465 kg	770 kg	725 kg
Suction pad type	U500	U1000	U1000	U255
Suction pads Quantity/Size	4 / ø 480 mm	2 / ø 625 mm	4 / ø 625 mm	10 / ø 350 mm
Maximum size of the load*	3000 x 2000 x 2 mm	3500 x 2000 x 2 mm	6000 x 2000 x 2 mm	6000 x 2500 x 2 mm
Minimum size of the load	1500 x 480 mm	1260 x 625 mm	1260 x 625 mm	1070 x 710 mm
Dimensions (l x w x h)	1000 x 1000 x 1540 mm	2350 x 625 x 1530 mm	4925 x 625 x 1730 mm	4750 x 1650 x 1575 mm
Height compensation	-	-	90 mm	70 mm
Beams	-	-	subcarriers slidable	outer 4 cross beams slidable
Suction pads	2 diagonal switchable	slidable	slidable, outer switchable	slidable, outer pairs switchable

Type series U400

Multi pad device
type U400-4Q

Multi pad device
type U400-5

Multi pad device
type U400-6

Multi pad device
type U400-10



Lifting capacity	4000 kg	4000 kg	4000 kg	4000 kg
Minimum load	120 kg	90 kg	90 kg	100 kg
Dead weight	400 kg	870 kg	1000 kg	1250 kg
Suction pad type	U1000	U1000	U1000	U500
Suction pads Quantity/Size	4 / ø 625 mm	5 / ø 625 mm	6 / ø 625 mm	10 / ø 480 mm
Maximum size of the load*	3000 x 2000 x 2 mm	6000 x 2000 x 2 mm	10000 x 2000 x 2 mm	6200 x 2500 x 2 mm
Minimum size of the load	2000 x 650 mm	3165 x 625 mm	2530 x 625 mm	1460 x 970 mm
Dimensions (l x w x h)	1400 x 1400 x 1690 mm	4800 x 625 x 1800 mm	8300 x 625 x 1800 mm	4800 x 1650 x 1990 mm
Height compensation	-	50 mm	50 mm	50 mm
Beams	-	-	-	outer 4 cross beams slidable
Suction pads	2 diagonal switchable	4 outer switchable	slidable, outer switchable	slidable, outer pairs switchable

Accessories



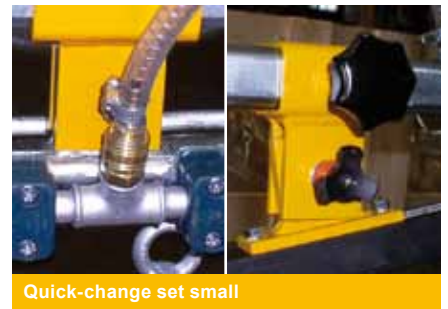
Small resting trestles



Foldable beam



Weld-on hooks



Quick-change set small

We will always have and take time for our customers.

We hope this brochure has provided you with a first impression and an interesting overview about the VACU-LIFT standard powered systems for the gentle transport of your loads, also for sensitive products.

If you would like to learn more about our products give us a call.

Easy Solutions For Heavy Loads.

VACU-LIFT
Maschinenbau GmbH

D-48282 Emsdetten
Kuhlmannstraße 12

Tel. +49(0)25 72-93 73-0
Fax +49(0)25 72-93 73-73

www.vaculift.de
info@vaculift.de

VACU LIFT
Vacuum Transport Systems