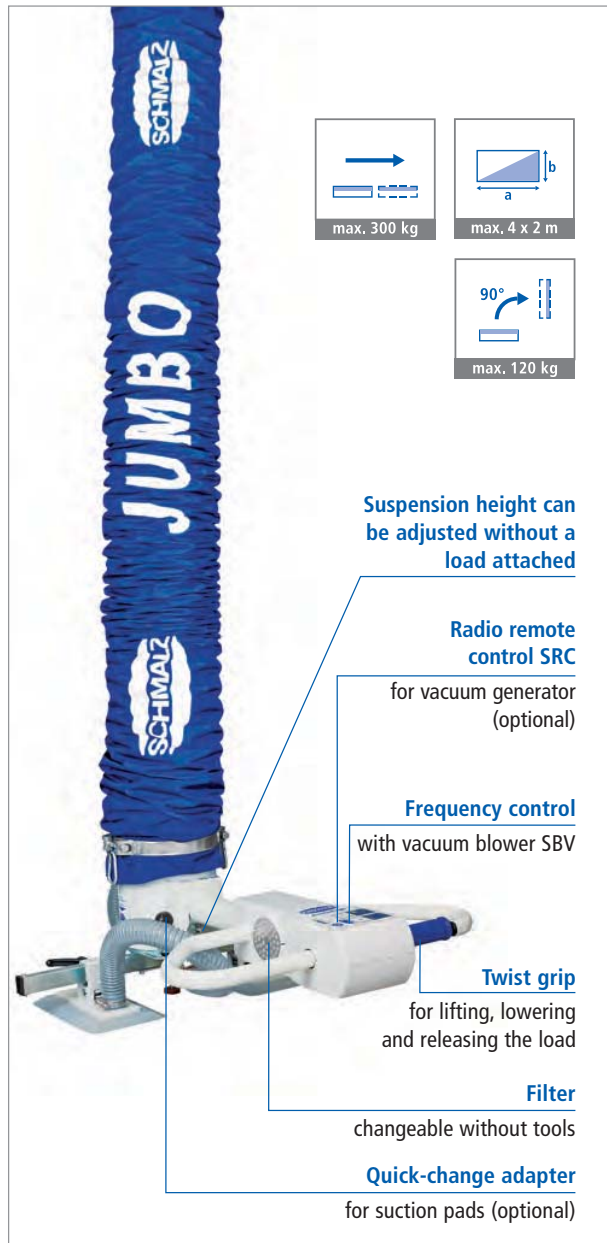


JumboErgo and JumboSprint

Lift Capacity up to 300 kg

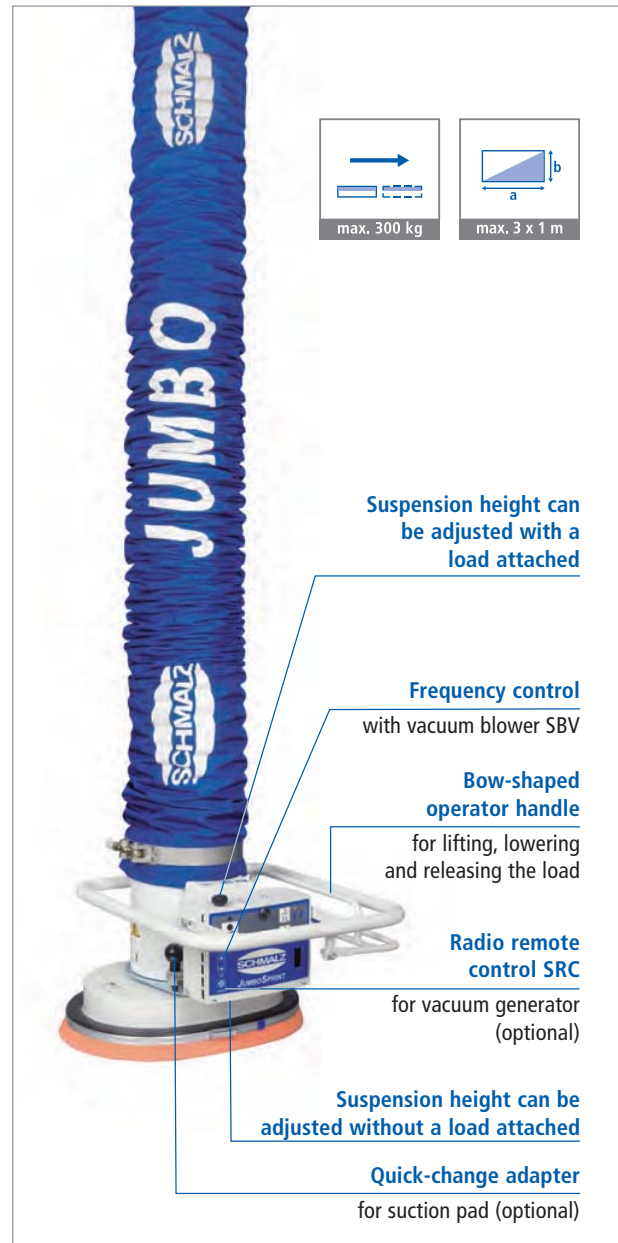
One modular system, two product types: The vacuum tube lifters JumboErgo and JumboSprint share a common technical basis but differ in terms of their operator handles.



JumboErgo

For workpieces of many different shapes and sizes

The twist grip on the JumboErgo is designed to operate like a motorcycle throttle. Large and heavy loads such as wooden boards, cardboard boxes and solar panels can be moved gently and precisely. The length of the operator handle can be varied, which allows the user to always maintain a safe distance from the load.



JumboSprint

For compact workpieces

The JumboSprint is equipped with a bow-shaped operator handle which extends all the way around the unit. This allows the user to optimally position it on compact goods such as bags or rubber bails. The load is raised by pulling up on the handle lever and lowered by pushing down.

Suction Pads

Versatility is key: Schmalz offers the right suction pads for virtually any application. With quick-change adapter the gripper can be changed quickly and easily.

Quick-change adapter
(optional)



Single suction pad

For compact goods such as cardboard boxes, barrels, buckets, jugs and cabinets.



Single suction pad, long

For pallets, narrow cardboard boxes, beams, square tubes and other elongated workpieces.



Round suction pad

For barrels, buckets or stone slabs with rough surfaces.



Sack gripper

For paper and plastic bags, raw rubber bails and shrink-wrapped packages.



Double suction pad

For cardboard boxes, crates or sheets. The suction pads can be continuously adjusted along the beam.



Double suction pad FM

For pallets, sections or cut pieces where the suction pad is not fully covered by the workpiece. The grippers can be continuously adjusted along the beam.



Quadruple suction pad

For large cardboard boxes, sheets and non-rigid pieces. The suction pads can be continuously adjusted lengthwise and crossways.



Multiple suction pad

For uneven workpieces such as foil trays or unstable cardboard boxes. The individual suction pads optimally compensate for any unevenness.



Mechanical grippers

Schmalz offers mechanical gripper solutions for workpieces that cannot be vacuum-gripped, such as bags or open transport boxes.



Vacuum Generators

Vacuum blowers SBM, SBL, SBV
Electric vacuum generators for workpieces weighing up to 300 kg. The frequency-controlled blower SBV is continuously variable, and its power can be adjusted to changing loads.



Vacuum ejector SEM

Compact, compressed air vacuum generator with high flow rate for workpieces weighing up to 85 kg.

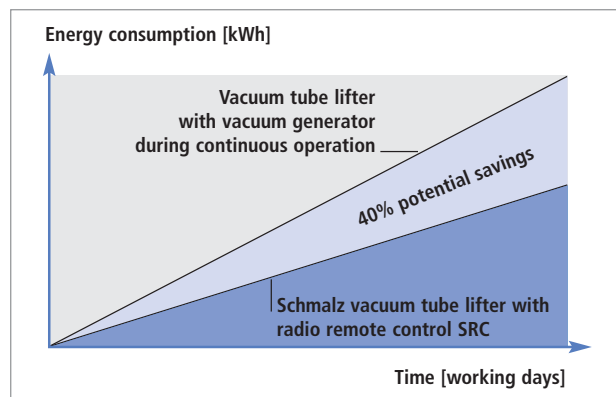


Accessories



Save up to 40% in energy with the push of a button

With the radio remote control SRC, you can directly switch off the vacuum generator on the operator handle when not in use and then back on again. The radio remote control is activated by a simple button push and needs no energy source due to an integrated solar cell.



Potential energy savings with radio remote control SRC



Instantly switch suction pad

The quick-change adapter SWA allows you to quickly and easily switch the suction pad on your tube lifter in order to adapt to changing workpieces.



Swivel workpieces by 90°

With the push of a button, the pneumatic swiveling unit PSE allows the user to swivel workpieces weighing up to 120 kg securely and in an ergonomic fashion.



Continuously rotate workpieces

With the rotation unit DE, vacuum-gripped workpieces weighing up to 200 kg can be continuously rotated and positioned precisely.

JumboErgo and JumboSprint

Lift Capacity up to 300 kg



Maximize stack heights

High stacking heights are no problem with the movable operator handle (only for JumboErgo). An optional locking mechanism allows it to be fixed at different angles.



Instantly release workpieces

The venting unit BEL allows non-porous workpieces to be released from the suction pad and set down.



Reduce the sound level

The silencer box SBB reduces the sound level of the vacuum generator to 65 dB(A) and protects it from outside dirt. It can be easily mounted on the optional blower mounting platform.



Protection against dirt

The dust filter STF keeps dirt particles away from the vacuum generator and is always recommended to protect the generator. An optional differential pressure monitor with a signal lamp indicates when the dirty filter has to be changed.



Reach into deep containers

The hose-cylinder extension SZV enables ergonomic loading and unloading of containers such as lattice boxes.



Protection against thermal overload

With the motor-protection switch MSS the vacuum generator can be switched on/off and protected against overcurrent. It can be integrated into the Schmalz crane column without the need for complicated wiring and can be optionally locked.



Spring balancer for long operator handles

The spring balancer FZG keeps the tube lifter JumboErgo balanced and is recommended if the operator handle is longer than 750 mm.



Protection against wear

The protective tube prevents mechanical damage to the lift tube and is easy to clean. The retaining net protects the suction pads and the lift tube when the tube lifter is not in use and allows for space-saving storage.

JumboErgo and JumboSprint

Technical Data



The vacuum tube lifters JumboErgo and JumboSprint can be configured specifically based on the requirements of each individual application due to their modular design. The technical data varies depending on the configuration and on the suction pad chosen.

Vacuum generator

- Blower with 155, 185 or 220 m³/h suction capacity
- Ejector with 132 m³/h suction capacity

Lifting unit

- Max. lifting stroke (Z) 1,700 mm or 2,100 mm
- Diameter (D) 120 mm up to 305 mm

Operator handle

Operator handle length (L)

- JumboErgo: 350 mm up to 1,000 mm
- JumboSprint: 155 mm up to 500 mm

Fig. shows JumboErgo

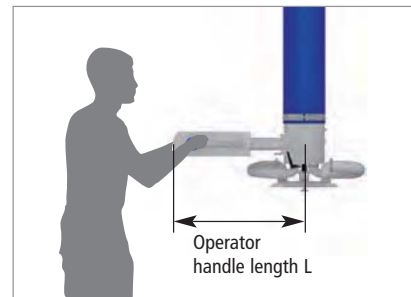
The following technical data are standard values.

Type	Workpiece format* [mm]		Operator handle length L [mm]	Max. lifting speed [m/min]	Max. lifting stroke Z [mm]	Height H** [mm]
	Minimum	Maximum				
JumboErgo	300 x 200	4,000 x 2,000	350 – 1,000	60	1,700	2,850
	300 x 200	4,000 x 2,000			2,100	3,400
JumboSprint	300 x 200	3,000 x 1,000	155 – 500	60	1,700	2,850
	300 x 200	3,000 x 1,000			2,100	3,400

A lift capacity of 140 kg and higher applies: lifting stroke Z +160 mm, height H +250 mm

*Depends on the suction pad chosen

**Suction pad not included (total height = H + height of the suction pad)



The operator handle for the JumboErgo is designed with safety in mind, allowing the operator to maintain a safe distance when oversized workpieces are being lifted.

Lift Capacities

Jumbo type	Max. lift capacity [kg]		Ø Lift tube D [mm]	Max. lift capacity							
	Horizontal	90° swivel		35 kg	45 kg	65 kg	85 kg	110 kg	140 kg	200 kg	300 kg
Ergo/Sprint 35	35	–	120	→							
Ergo/Sprint 45	45	30	140	→	→						
Ergo/Sprint 65	65	50	160	→	→	→					
Ergo/Sprint 85	85	70	178	→	→	→	→				
Ergo/Sprint 110	110	90	203	→	→	→	→	→			
Ergo/Sprint 140	140	120	230	→	→	→	→	→	→		
Ergo/Sprint 200	200	–	250	→	→	→	→	→	→	→	
Ergo/Sprint 300	300	–	305	→	→	→	→	→	→	→	→