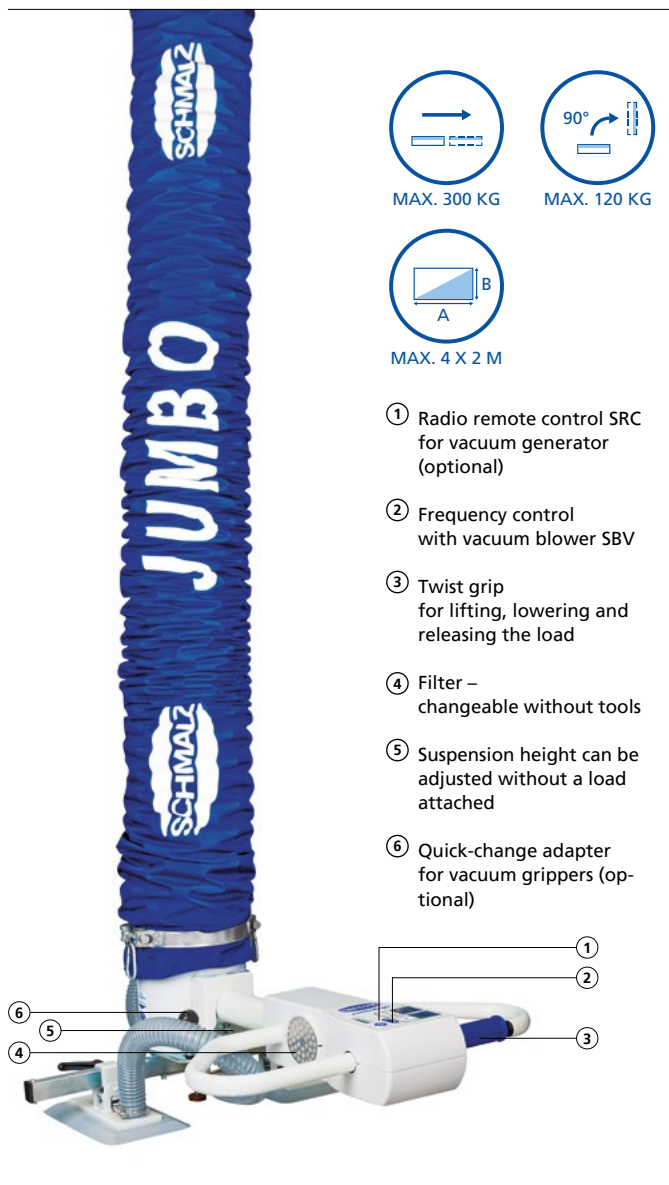


JumboErgo and JumboSprint

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.



Quick-change adapter
(optional)

VACUUM GRIPPERS

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



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



Single vacuum gripper, long
For pallets, narrow cardboard boxes, beams, square tubes and other elongated workpieces.



Round vacuum gripper
For barrels, buckets or stone slabs with rough surfaces.



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



Double vacuum gripper
For cardboard boxes, crates or sheets. The vacuum grippers can be continuously adjusted along the beam.



Vacuum area gripper FMP
For pallets, sections or cut pieces where the vacuum gripper is not fully covered by the workpiece. The grippers can be continuously adjusted along the beam.



Quadruple vacuum gripper
For large cardboard boxes, sheets and non-rigid pieces. The vacuum grippers can be continuously adjusted lengthwise and crossways.



Multiple vacuum gripper
For uneven workpieces such as foil trays or unstable cardboard boxes. The individual vacuum grippers optimally compensate for any unevenness.

MODULAR GRIPPER SYSTEM



Modular system for configuring custom grippers
In addition to a large number of pre-configured grippers, the modular gripper system adds additional configurations to the Jumbo product range. You can easily configure multiple vacuum grippers that are custom tailored to the respective application.

VACUUM GENERATORS



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



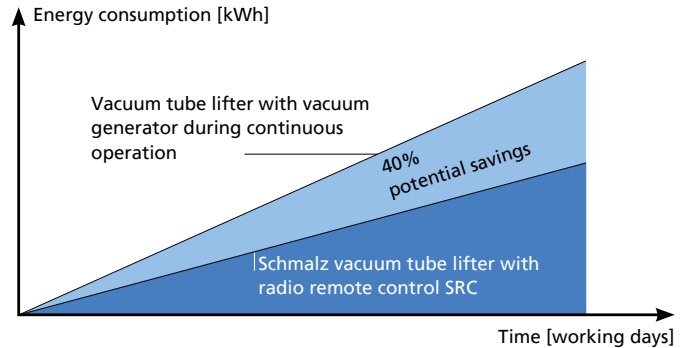
Ejector SEM
Compact, compressed air vacuum generator with high flow rate for workpieces weighing up to 85 kg.

JumboErgo and JumboSprint

ACCESSORIES

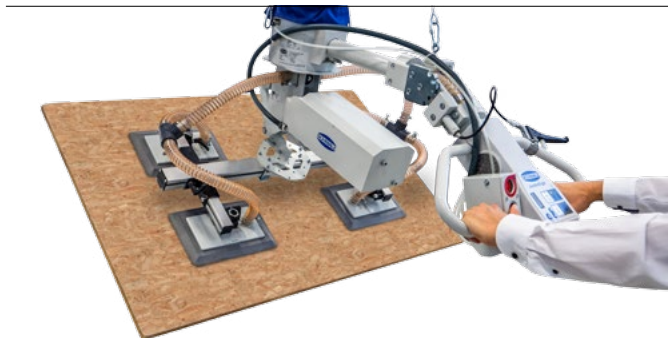


SRC



Potential energy savings with radio remote control SRC

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.



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, gripped workpieces weighing up to 200 kg can be continuously rotated and positioned precisely.



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 vacuum gripper and set down.

ACCESSORIES



Reduce the sound level

The silencer box SBB reduces the sound level of the vacuum generator 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.



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 vacuum grippers and the lift tube when the tube lifter is not in use and allows for space-saving storage.



Protection against thermal overload

Motor-protection switch MSS for switching on the vacuum and protection against overvoltage.

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 vacuum gripper 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

Vacuum gripper

Height around 80 mm up to 155 mm

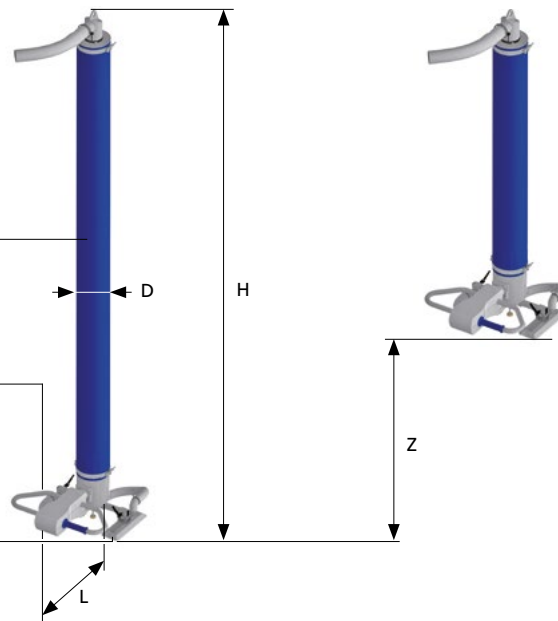
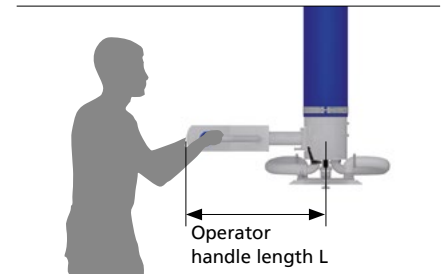


Fig. shows JumboErgo

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]
	Maximum	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				
JumboSprint	300 x 200	3,000 x 1,000	155 – 500	60	1,700	2,850
	300 x 200	3,000 x 1,000				



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

*Depends on the vacuum gripper chosen

**Vacuum gripper not included (total height = H + height of the vacuum gripper)

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	→	→	→	→	→	→	→	→	