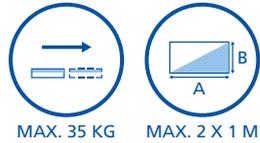


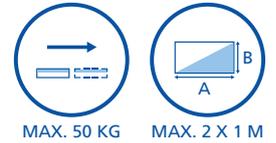
# JumboFlex

Lift Capacity up to 50 kg



- ① Lifting unit with protective tube
- ② Suspension height can be adjusted without a load attached
- ③ Filter, changeable without tools
- ④ One-finger control for lifting, lowering and releasing the load
- ⑤ Ergonomic control handle with non-slip elements
- ⑥ Continuous rotation, can be locked in 90° increments
- ⑦ Quick-change adapter for fast, tool-free gripper change
- ⑧ Vacuum grippers, adapted to the workpiece
- ⑨ 90° slewing mechanism (manual) for picking up loads from the side
- ⑩ Radio remote control SRC for vacuum generator (optional)

JumboFlex 35



- ① Lifting unit with protective tube
- ② Radio remote control SRC for vacuum generator (optional)
- ③ Suspension height can be adjusted without a load attached
- ④ Ergonomic control handle with non-slip elements
- ⑤ Continuous rotation, can be locked in 90° increments
- ⑥ Quick-change adapter for fast, tool-free gripper change
- ⑦ Vacuum grippers, adapted to the workpiece
- ⑧ 90° slewing mechanism (manual) for picking up loads from the side
- ⑨ One-finger or two-finger control for lifting, lowering and releasing the load

JumboFlex 50

The vacuum tube lifter JumboFlex allows you to move lighter goods up to 50 kg ergonomically and with high cycle rates. The control handle fits comfortably in the hand and allows the operator to work for a long period of time without fatigue. With the simple one-finger control, lifting, lowering and releasing the load is extremely

intuitive. The JumboFlex's wide range of features allows it to tackle virtually any task. It comes standard with a quick-change system for replacing the vacuum grippers. Workpieces which are gripped from the vertical side automatically swing back into the horizontal position where they can be continuously rotated.

Quick-change adapter  
as standard



## VACUUM GRIPPERS

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



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



**Round vacuum gripper with skirt**  
For optimal sealing on plastic bags and shrink-wrapped packages.



**Double vacuum gripper**  
For stapled, glued, strapped or open cardboard boxes as well as small wooden boards.



**Quadruple vacuum gripper**  
For large cardboard boxes, wooden boards and other flat workpieces.



**Multiple vacuum gripper**  
Universal gripping of various cardboard box sizes and qualities with a minimum occupancy rate of 75 %.



**2-in-1 gripper**  
Combination of a vacuum gripper and a suspension hook for baggage pieces such as suitcases or bags.



**Suspension hook**  
For mechanical suspension of buckets, jugs and other workpieces with a point from which to hang.



**Box gripper**  
For transport and storage boxes from all commercial manufacturers.



**Mandrel gripper**  
Pneumatic mandrel expansion gripper for picking up wheel rims and other components with central bores.

## VACUUM GENERATORS



**Pump EVE**  
Electric vacuum generator with short evacuation times and low power consumption.



**Ejector SBPL**  
Basic ejector with maximum suction rate and low compressed air consumption (up to JumboFlex 35).

# JumboFlex

## ADDITIONAL FEATURES



**JumboFlex Safety+**  
Two-hand release for extra safety. Adjustable, reduced lowering speed, e.g. for sensitive components or for disabled users.



**JumboFlex Easy-Release**  
Reduced residual vacuum for easy release. The load is released using an additional release lever and only when fully lowered, e.g. with quadruple grippers or grippers with bellows suction cups.



**JumboFlex Quick-Release**  
Allows loads to be deliberately ejected during lifting by means of an additional ejection lever. For use in baggage handling at airports or similar applications.

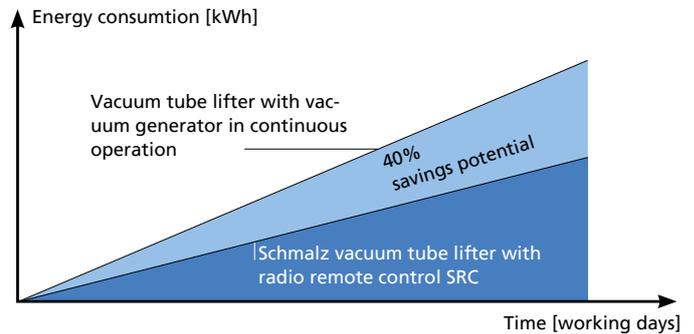


**JumboFlex Air**  
For operating pneumatic gripping systems such as mandrel grippers for handling wheel rims or magnetic grippers for various applications.

## ACCESORIES



SRC



Energy saving potential with SRC radio remote control

### Save up to 40 % energy at the push of a button

With the SRC radio remote control, you can switch the vacuum generator off and on again during work breaks directly at the operating element. The radio remote control requires no external energy (integrated induction generator) and is operated at the push of a button.



### Reduce sound level

The silencer box SBB reduces the sound of the vacuum generator and protects it from external contamination.



### Secure storage

The storage rack AB-JU can be used to store the JumboFlex when not in use in order to protect the lift tube and vacuum grippers.

## TECHNICAL DATA



The vacuum tube lifter JumboFlex can be configured specifically based on the requirements of each individual application due to its modular design. The technical data varies depending on the configuration and on the vacuum gripper chosen.

### Vacuum generator

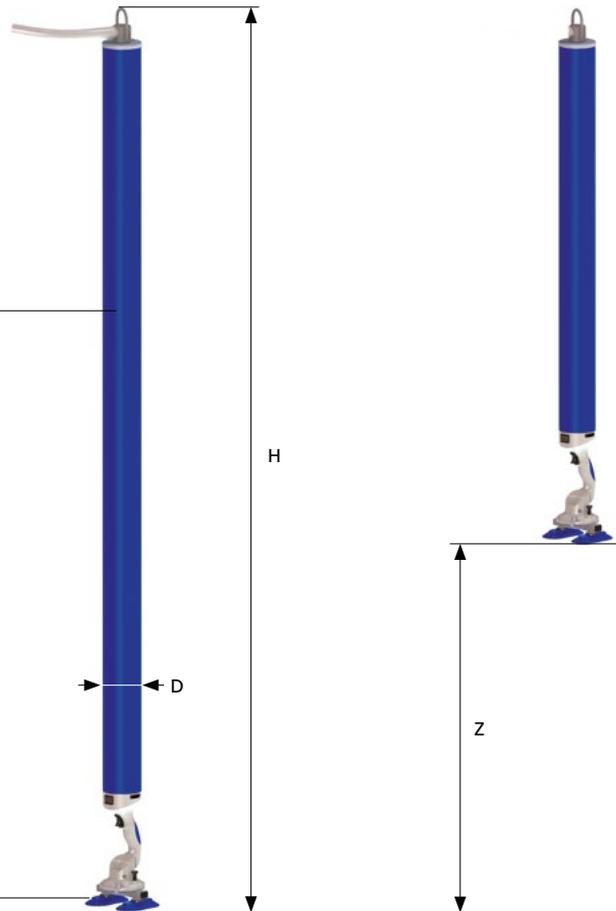
- Pump with 25, 40, 50 or 67 m<sup>3</sup>/h suction capacity
- Ejector with 52 m<sup>3</sup>/h suction capacity

### Lifting unit

- Max. lifting stroke (Z) 1,500 mm or 1,800 mm
- Diameter (D) 80, 100 or 120 mm

### Vacuum gripper

- Height from 50 mm up to 100 mm



The following technical data are standard values.

Jumbo type	Max. lift capacity [kg]	Workpiece format* [mm]		Max. lifting speed [m/min]	Max. lifting stroke Z [mm]	Height H** [mm]		Lift tube Ø D [mm]
		Minimum	Maximum			With vacuum pump	With vacuum ejector	
Flex 20	20	200 x 200	2,000 x 1,000	60	1,500	2,500	2,680	80
	20	200 x 200	2,000 x 1,000	60	1,800	2,800	2,980	80
Flex 35	35	200 x 200	2,000 x 1,000	60	1,500	2,500	2,680	100
	35	200 x 200	2,000 x 1,000	60	1,800	2,800	2,980	100
Flex 50	50	200 x 200	2,000 x 1,000	60	1,500	2,500	2,680	120
	50	200 x 200	2,000 x 1,000	60	1,800	2,800	2,980	120

\*Depends on the vacuum gripper chosen

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