

Manual vacuummachine device nr construction year
Issue date:

Glass Vacuümlifter Doppio girevole Battery-powered 350 kg is powered by a battery and is suitable for lifting glass or other sheet material with a smooth surface and a dense structure.

Safety features on this device:

- The Maximum permissible weight is 350 kg and is indicated on the machine, indicated weight is only a dry and untreated surface. **In a damp or treated surface can significantly reduce maximum lifting weight.**
- The installation is provided with a tank, the tank provides for at least 20 minutes in vacuum power failure, when the pressure in the tank below the -0.6 bar comes into operation the acoustic signal will go. **When the signal is not hoist.**
- There is a steel protective container built around the valve.
- Vertical lifting is most unfavorable, therefore all vertical tests performed at 100% overload.
- The vacuum gauge is red / green color, so you can read it properly.

warnings:

- Do not lift in rain or with frost.
- In strong wind does not lift or the load as much as possible to steer / guide through cables / cords.
- The unit is supplied with the crane hook (eye) , this hook must be fitted with a safety valve.
- Always make sure that you are within sight and hearing distance of the unit..
- The higher the load, the greater the outlet, the bigger the area you need to clear.
- On the site you need people at all times to protect against dropping of the loads. If so danger can arise where a person can be affected by the load or falling load, there must always be a fall protection are applied. A fall protection is eg extra tires around the load, for more information, we recommend to contact us. This applies to all types of pistons also with a dual vacuum system, vacuum piston is never finally fixed connection to the load.
- If the device is not on there is a risk that the user can draw with residual vacuum from the reserve tank. Here, the vacuum gauge into the red zone continue, but you get no signal. So take care that the device is switched on at all times!
- When hoisting profiled sheet, there is no risk. If the profile is too sharp or deep, there will be no vacuum created so you cannot lift and therefore no hazardous situation. We therefore advise you to carry out tests with the hoisting equipment in a small size.



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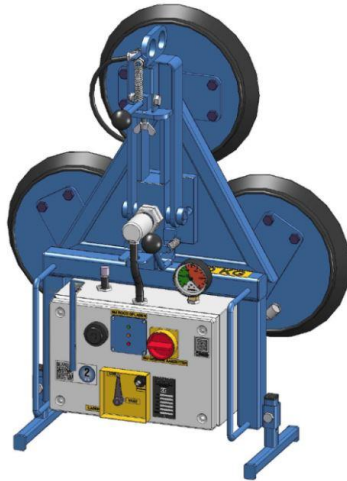
- The lifting equipment must be stiff enough so that it is not bent too tightly or kinked. If this is the case, it is necessary to choose a different suction cup.
- You need the unit checked annually or maintained by an expert (manufacturer).
- In case of crane operation by another person as the minister of the vacuum lifting device should be between two people good "arrangements" to be made.
- It is forbidden dangerous goods hoist with this device.
- We stress in the following: the people who work with this device must responsibly and safely proceed, one must be aware of the Health and Safety Act and the safety of the Health and Safety Act to observe.



Maintenance Requirements and testing:

1. Before use you to check if the vacuum system is working properly. This test you must perform the following:
 - a. You place the device on a glass or other airtight sheet.
 - b. To turn the unit on and wait for the beep and then stops the vacuum pump stops. At that time, the vacuum gauge least - 0.7 bar indicate.
 - c. From this moment, the vacuum pump "up" a few seconds per minute bijpompen, this is more or prolonged contact with the supplier.
 - d. Let the loose / fixed tap a small amount of air escape (partially open) so that the vacuum gauge drops below the -0.6 (the red area). At the time the pointer reaches the red area, the sound signal is otherwise contact the supplier.
2. The device must be fully charged. **During charging, the light is on, battery full, lamp!**
3. Before use, the rubber edges of the suction cup for cracks or wear, replace if necessary.
4. Before use, check the hoses are properly attached and no kinks or cracks.
5. To clean, wipe regularly with the right cleanser. For this you can use vinegar but the dealer can also supply a special cleaner in a spray bottle.
6. You should secure the device, the device can stand on its feet.
7. With this vacuum machine, a vertical tensile test must be carried out at least once a year with a load of twice the maximum permissible weight, carried out by an expert.

User manual Glass Vacuümlifter Doppio girevole Battery-powered 350 kg



Before use:

- The piston hang the hook (with protection cover). **1 Always remove the pad covers**
- The legs delete or rotate.
- The switch to "on". **3** The unit will detect and pumps. The valve is set to "loose". **2**
- The signaling will stop the pump runs slightly longer if the alert. The appliance is ready for use.
- The machine can turn 360 degrees with handle at **6**.

Ready to use:

- You place the suction cup against the surface and set valve **2** to determine.
- Wait until the vacuum gauge **7** in the green plane and the signaling stops.
- You can now go hoisting.

During use:

- You notice that the pump or signaling regular stores during lifting, you need the rubber edges for leaks or cracks.
- The machine can Turn 360 degrees and tilt with the black handles, use the Wing nut to prevent tilt with the handle for safety.
- **When the signal is not hoist.**

Finally:

- a. Never repair the unit yourself without first consulting the manufacturer to have discussed. You should always use the original spare parts supplied by the manufacturer. Only if you observe the above conditions we can guarantee you years of fun, but safe with this device can work.
- b. If you follow the above operation and maintenance instructions and advice, we as manufacturers are not responsible for any damage caused.
- c. As a user you are responsible for the maintenance and inspection of your own equipment. You decide who is competent enough to perform the annual inspection of this hoisting machine. We as a manufacturer are the most expert to inspect this device. If you do not carry out your annual inspection at the manufacturer, we as a manufacturer are no longer responsible for the proper functioning of your machine.
- d. The presence of an inspection sticker only says that the device has been inspected. In the report you will find the findings of the inspector. Therefore, always read and follow the instructions on the inspection report.

Use the safety ladder:

Every step counts, you can't skip a single step!

1

Good work preparation

Make an inventory of the risks and take the right measures, always choose 3* excellent equipment for high-rise buildings and public spaces/areas.

2

Good maintenance

At least annual inspection by the supplier, check the sticker.

3

Before use

Check the battery is well charged, clean the rubbers, check the inspection sticker.

4

Never lift in rain, frost or strong winds!

5

Clear lifting area

No one may be present under the load during lifting, cordon off the area well and guard it well during lifting.

6

Fall protection mandatory

Fall protection is necessary for work above 1.8 meters. Extra attention to this in high-rise buildings, public buildings and a long flight of the crane. The use of a double vacuum system does not exempt you from this rule.

7

Always within sight and hearing distance of the vacuum lifter.

8

Use manual handpumps and PPE

Installing a glass plate is precision work, here most personal accidents happen due to clamping of hands, falling of glass on limbs caused by smashing the glass plate. Use manual hand pumps as a handle to steer safely, protect yourself with PPE, always stand outside the fall area.