



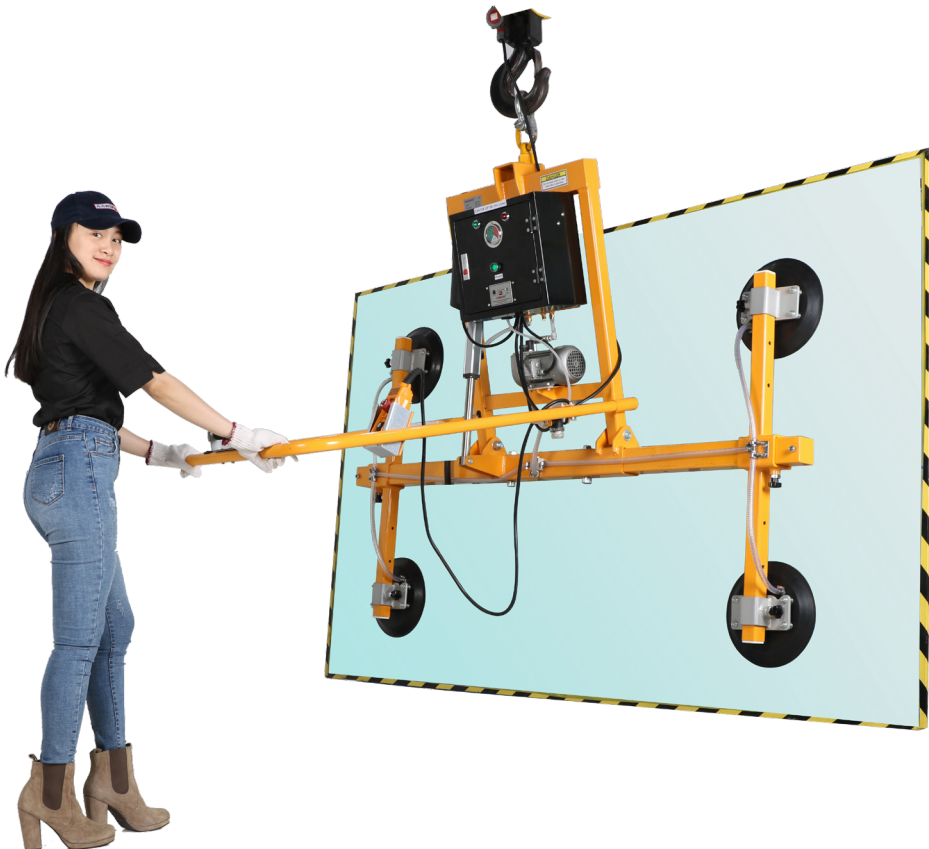
ELECTRIC VACUUM GLASS LIFTER

AEVGLP4-500

OWNER'S MANUAL CONTENT TABLE

Get The Aardwolf AAdvantage

SPECIFICATIONS & FEATURES • DRAWING LIST • PART LIST • OPERATING INSTRUCTIONS • CROSS BAR & STRINGER BEAM ADJUSTMENT
• INFORMATION FOR ALARM SYSTEM • INSPECTIONS & MAINTENANCE • WARRANTY



SPECIFICATIONS

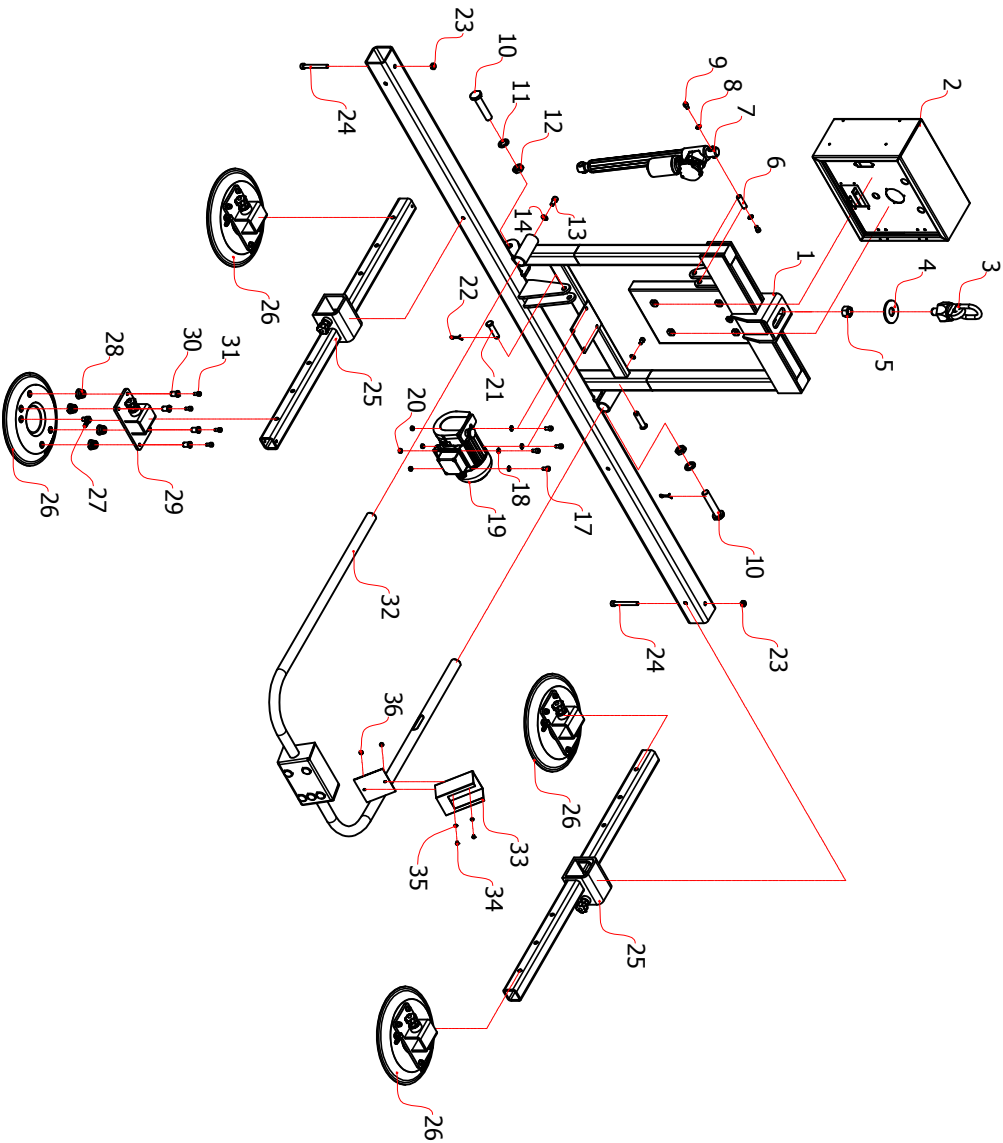
Section \ Unit	METRIC	IMPERIAL
	mm-kg	inch-lbs
Number of pads	4	
Linear activator	90 degris	
Pad diameter	300	11.8
Max. length-width of glass sheet	2500 – 1800	98.4 – 71
Min. length-width of glass sheet	1600 – 800	63 – 31.5
Adjustable the cross bar in both sides	400	15.7
Adjustable stringer beams in both sides	250	9.8
Working load limit	Vertical: 400	882
	Horizontal: 500	1102
Net weight	145	320

Battery information for alarm system	<ul style="list-style-type: none"> - Power supply: 3.7V Lipo battery - Battery capacity: 2000mAh x 1 - Adapter: DC 5V-1A - Standby time: 720 hours - Charging cycle: 1000 times - Charging time: 2 hours - Non-stop working time: 7 hours - 6-month warranty
Motor information	<ul style="list-style-type: none"> - AC 380V-3phase 50/60Hz - Vacuum flow rate: 4.1/4.7m³

FEATURES

- Handling of long glass sheets
- Equipped an electric cabinet-operated
- Audio and visual alarm system
- Vertical-horizontal tilting from 0 to 90°
- Adjustable vacuum pads based on glass sizes
- Automatic vacuum pumping once the vacuum loss occurred
- Attach and release glass sheets by ON/OFF slide valve





NO.	CODE	PART NUMBER	QTY
01	AEVGLP4-001	Cross Beam	01
02	AEVGLP4-002	Electric box	01
03	AEVGLP4-003	Hook	01
04	AEVGLP4-004	Washer M22	01
05	AEVGLP4-005	Nut M22	01
06	AEVGLP4-006	Pin Ø14 x 48	01
07	AEVGLP4-007	Electric Cylinder	01
08	AEVGLP4-008	Washer M6	02
09	AEVGLP4-009	Bolt M6 x 16	02
10	AEVGLP4-010	Bolt M20 x 100	02
11	AEVGLP4-011	Washer M20	02
12	AEVGLP4-012	Nut M20	02
13	AEVGLP4-013	Bolt M10 x 25	02
14	AEVGLP4-014	Washer M10	02
15	AEVGLP4-015	Filter Pad	01
16	AEVGLP4-016	Filter 3/8	01
17	AEVGLP4-017	Bolt M6 x 20	04
18	AEVGLP4-018	Washer M6	04
19	AEVGLP4-019	Motor	01
20	AEVGLP4-020	Nut M6	04
21	AEVGLP4-021	Pin Ø14 x 60	02
22	AEVGLP4-022	Cotter pin Ø4	02
23	AEVGLP4-023	Nut M10	02
24	AEVGLP4-024	Bolt M10 x 90	02
25	AEVGLP4-025	Stringer Beam	02
26	AEVGLP4-026	Suction cup SG300	04
27	AEVGLP4-027	Male Rigid Hose Brass	04
28	AEVGLP4-028	Spiral Spring	16
29	AEVGLP4-029	Suction Pad	04
30	AEVGLP4-030	Spring bushing	16
31	AEVGLP4-031	Bolt M8	16
32	AEVGLP4-032	Handle	01
33	AEVGLP4-033	Remote Box	01
34	AEVGLP4-034	Screw Bolt M5	02
35	AEVGLP4-035	Washer M5	02
36	AEVGLP4-036	Nut M5	02



To ensure safety during operation and get the most from your lifter, you must carefully read these instructions to avoid injury, death or damage while using the AEVGLP4-500

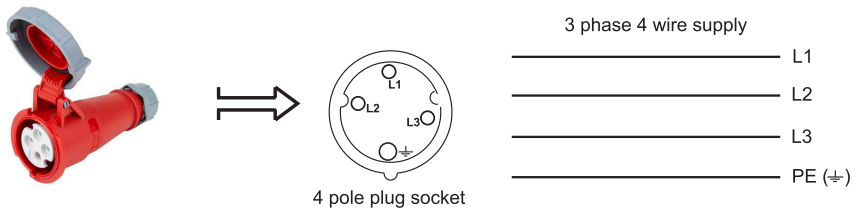
4.1 BEFORE OPERATING THE LIFTER

Attaching the lifter to hoisting equipment:

- Determine whether the capacity of the crane, hoist, sling and other attachments are suitable for combining with the AEVGLP4-500 and max. load weight as well.
- Perform a load test for the lifter before handling the load.

Connecting to power supply:

- The lifter is powered by the 380V three phase motor.
- It is equipped with an international electric outlet as shown below .
- Disconnect the power source when not in use.



Safety instructions:

- Carefully read the user manual before operating.
- Only competent and authorised personnel can operate the lifter.
- Ensure that the manual is available during operation.
- Always wear appropriate protective equipment.
- Always check the electric cabinet and motor before lifting material.
- Avoid operating the lifter in rain.
- Make sure that the vacuum pad surface is clean and free from dirt and oil.
- Make sure that there are no obstructions during working process.
- Perform the test of load, vacuum and pumping, pad warning light to ensure safety.

- The load must not exceed the maximum allowable weight specified.
- The load must be a single sheet with a smooth and non-porous surface.
- Always place the vacuum pad correctly and make sure it is balanced.
- The lifter is not allowed to lift and must stay clear of suspended load if the vacuum level is lower than 53 kPa (40 CmHg) and the red vacuum warning light is turned on.
- To avoid injury, no one is allowed to stand under the load.
- Do not carry out any lifting operations if any issue is found.
- Never lift a load when the vacuum indicator shows inadequate vacuum pressure.
- Never operate the lifter that is damaged, malfunctioning or missing parts.
- Never operate the lifter if the edges of the vacuum pad are cut or damaged.
- Never operate a lifter if the labels for load capacity or any other warnings are missing, obscure or unclear.
- Never press the two RELEASE buttons on the box of the handle during the lifting process. This may result in loss of vacuum and unexpected release of the load.
- Never lift a load over people.
- Never use the lifter in dangerous environments .
- All inspections and tests must be carried out before lifting.

NOTE: Aardwolf Industries LLC denies any claims due to failure of unexpected load release or human and/or material losses in event of employing non-original pads.

4.2 INSTRUCTIONS FOR USE

How to use the lifter safely and effectively? You must adhere to the instructions below:

CE – Declaration of conformity: we declare that the lifter is in conformity with the following standard: The Machinery Directive 2006/42/EC.

NOTE: *It is the responsibility of the user to adapt to state or local laws.
The end user is responsible for using the equipment safely in the manner that it is designed for and within the rated capacity of the unit.*



STEP 1

Connect the AEVGLP4-500 to a crane or other hoisting equipment to start



STEP 2

Carefully put the electrical plug into the power source. Make sure that this plug is properly connected with the lifter to avoid the risk of electric shock

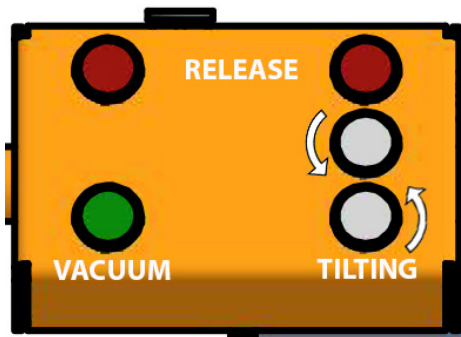


STEP 3 *Turn on the POWER button on the electric cabinet*



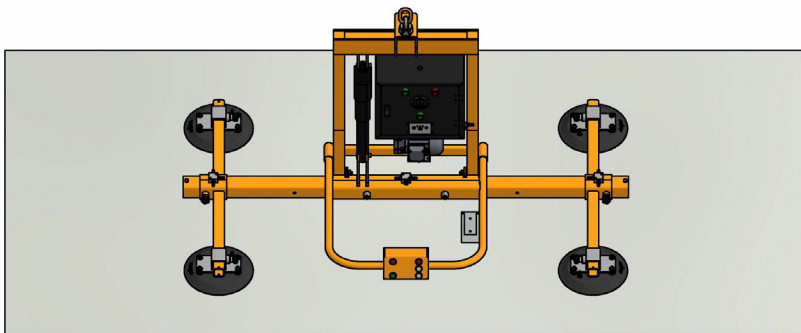
STEP 4

Press the TILTING buttons (white color) to tilt the lifter in the vertical-horizontal direction and then place the vacuum pads onto the glass shi



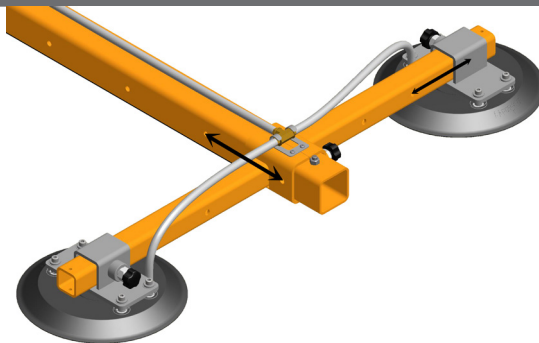
STEP 5

Make sure the lifter is in the center of the glass shi



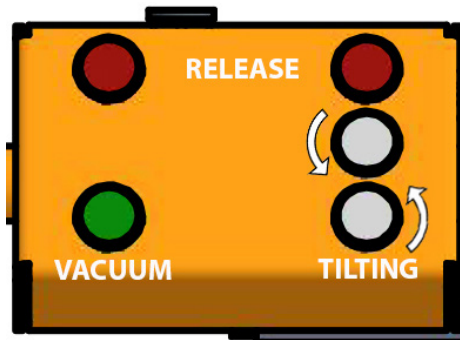
STEP 6

Manually adjust the cross bar and stringer beam based on the shi



STEP 7

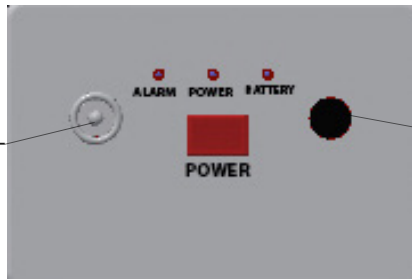
Press the VACUUM button (green color) to supply the vacuum into the vacuum pads.



STEP 8

Press the red POWER button of the alarm system and observe:

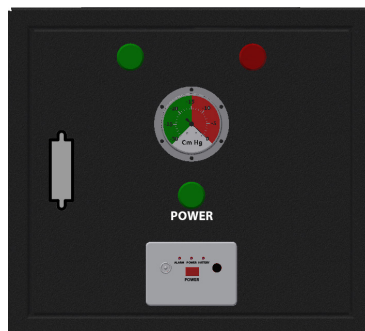
Adjustable vacuum
level hole for warning



Charging input

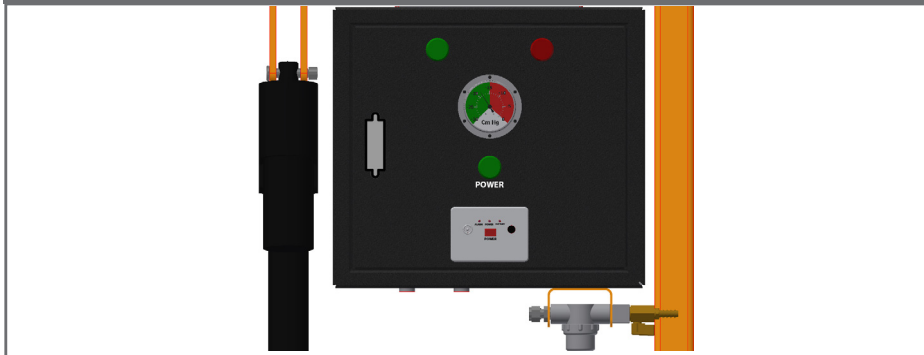
If the alarm battery on the alarm box is fully charged:

- Power light on the alarm box is green
- Alarm light and red vacuum light are on with sound alert in case of vacuum leakage

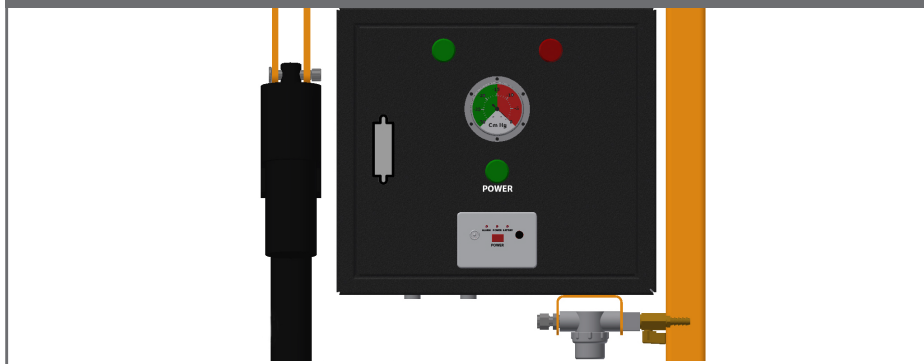


If the vacuum is fully pumping:

- Alert sound and alarm light on the alarm box are off
- The red vacuum light turns into the green vacuum light
- Needle of the vacuum gauge is in the green zone (53 kPa - 40 CmHg)



Caution: *In that case, needle on the vacuum gauge is not reaching 53 kPa (40 CmHg) and it is still in the red zone, the red vacuum light is on, the alarm warning system rings, this means that the vacuum is not full and the lifter cannot lift the load*



STEP 9

Lift and move the glass sheet:

- For tilting the sheet in the vertical direction, press the above TILTING button on the box of the handle to perform action.
- For lifting the sheet in the horizontal direction, press the under TILTING button on the box of the handle to perform action

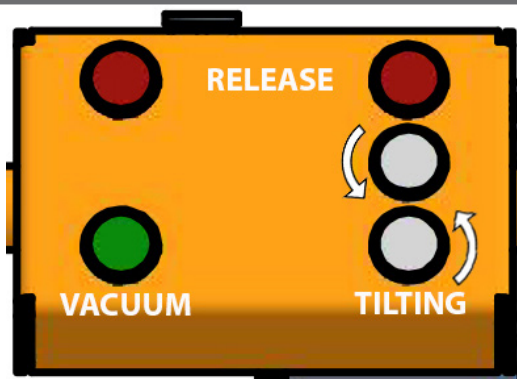


STEP10

After that, place the shit down at the desired location.

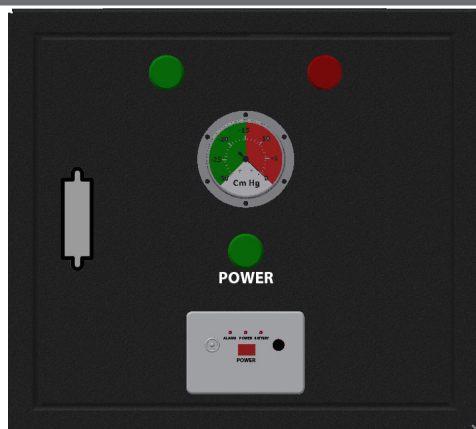
STEP 11

Press the two RELEASE buttons (red color) on the box of the handle to stop inhaling vacuum and release material.



STEP12

Carefully turn off the power source by pressing the POWER button (green color) to finish the lifting process



CROSS BAR & STRINGER BEAM ADJUSTMENT

- Step 1: Determined the glass size which will be lifted.
- Step 2: Use your hands to pull out knobs:
 - **Adjust the cross bar:** Move the stringer beam in both sides to desired position fitting with glass length. The knob will be locked automatically into the hole
 - **Adjust stringer beams:** Move brackets on the vacuum pad in both sides to the desired position fitting with glass width. The knob will be locked automatically into the hole
- Step 3: Check again to ensure all knobs are inserted diply into the holes before lifting for safety reason



- **Power source:** It is used to show the power level of the battery. If the battery is full, the power source will indicate the green color. If the level has not reached, the power will indicate the red color.
- **Battery:** It is used to show the power level. If the battery is in the charging process, it will indicate the red color. If the battery is full, it will indicate the green color.
- **Alarm:** It is used to ring (when ring, it indicates the red color) for vacuum. If the vacuum is not full, the alarm will ring. If the vacuum is full, the alarm will be off.
- **Charging hole:** It is used to charge electric for alarm.
- **Vacuum level:** It is used to adjust the vacuum level:
Step 1: Open the plastic lid (black color).
Step 2: Use flat-tip screwdriver to adjust the vacuum level to meet the local vacuum standards.
 - For reducing vacuum level, use the flat-tip screw driver to adjust in the clockwise direction.
 - In order to increase vacuum level, use the flat-tip screwdriver to adjust in the counterclockwise direction.



How to protect and increase life expectancy for the lifter? The following will be the best ways that you can:

INSPECTIONS

Make sure that the electric cabinet is disconnected before servicing the lifter. Check the AEVGLP4-500 carefully and regularly to avoid the following faults

- Contamination or debris on vacuum pads and load surfaces.
- Visual damages of the lifter's structure and vacuum system.
- Clean air filter.
- Listen for unusual vibration or noise while operating the device.
- Cracks, cuts, corrosion or any deficiency affected entire device.
- Missing parts.
- Damaged edges of the device while sealing.
- Repair all faults before using the device.

MAINTENANCE

A good maintenance planning will bring benefits for your device. It not only increases safety and using values, but also reduces maintenance cost:

- Perform maintenance periodically.
- Perform simple maintenance tasks for the lifter such as repairing, replacing grease so that the lifter runs smoothly.
- Check the rubber pads to ensure that they are free from dirt and damages.
- You must clean the air filter to eliminate dust or contamination.
- If the lifter is used for less than one day in a two-week period, you should perform an inspection and maintenance to ensure that the lifter is safe and does not have any faults.
- The lifter may experience normal wear and tear and ageing. You should replace any reduced quality parts with new original parts.
- The lifter and hoisting accessories must be stored in a place where they are protected against weather conditions and aggressive substances.



After receiving the product, the buyer should check, based on the spare parts list and spare drawings attached to the product, that the spare parts have not been damaged or lost during shipment. Any damages or losses must be officially reported to The Aardwolf Industries LLC within eight days from the date of purchase.

This lifter is granted a 12-month warranty based on The Aardwolf Industries LLC's warranty policy from the date of purchase.

The warranty coverage is not applicable when:

- The lifter is handled incorrectly during manoeuvring.
- The operator fails to comply with the instructions in this booklet.
- The lifter's maximum permissible capacity is exceeded.
- The specifications for glass thickness are not followed.
- Damages are due to inadequate maintenance and inspections
- Damage is due to improper storage.
- Repairs were performed by the user without our permission.
- Unofficial spare parts were used.

DISCLAIMER:

The Aardwolf Industries LLC's warranty does not cover the incorrect assembly and misuse of the lifter, the lack of maintenance and repair of the lifter as scheduled by the manufacturer, the operation carried out by non-competent or non-authorised operators or unofficial spare parts being used or installed.



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