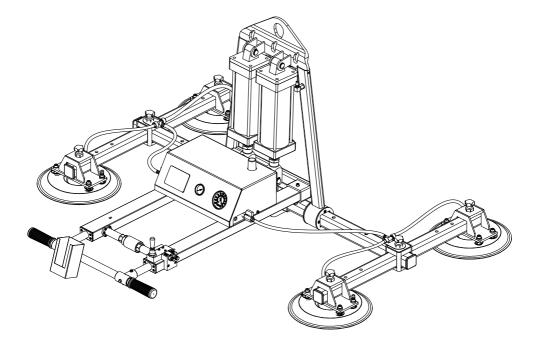


AARDWOLF VACUUM GLASS LIFTER

OWNER'S MANUAL

PRODUCT CODE: AVGLP4-400



CONTENTS

GENERAL SAFETY INSTRUCTIONS ← OPERATING INSTRUCTIONS ← AIR REGULATOR GAUGE INSPECTIONS, MAINTENANCE ← WARRANTY ← SPECIFICATIONS DIMENSIONS ← FEATURES ← PARTD DRAWING & PART LIST

Pneumatically powered, the Aardwolf Vacuum Glass Lifter AVGLP4-400 is able to lift glass panels, even panels with a rough surface with a weight of up to 400 kg. It features rugged construction with the added ability to lift and tilt the panel materials.

APRIL 2021

1. SAFETY AND HAZARD INSTRUCTIONS

The following symbols and terms are used in this operator's manual for safety and hazard instructions:



CAUTION!

Non-compliance, either in part or full, with operating instructions with this symbol can result in serious personal injury or fatal accidents. Warning information must be strictly adhered to.



CAUTION!

Non-compliance, either in part or full, with operating instructions with this symbol can result in major damage to machinery, property or material. Instructions in the category "Caution" need to be adhered to exactly.

NOTE



Following the instructions marked with this symbol will lead to more effective and straight forward operation "Note" directions make work easier.

2. GENERAL SAFETY REGULATIONS AND ORGANISATIONAL MEASURES

The operator's manual for the Vacuum Glass Lifter must always be available at the operation site. The instructions mentioned in this manual must be strictly adhered to. Furthermore, supplementary to the instruction manual, the statutory regulations governing general accident prevention and environmental protection are to be enforced.

Operating and maintenance personnel must have read and understood the operator's manual, in particular the safety instructions, before starting work. Protective equipment must be made available for operating and maintenance personnel and worn at all times. The operator or his representative is responsible for supervising operating personnel and ensuring they are aware of the hazards and safety implications of working with the Vacuum Glass Lifter.



CAUTION!

Operating manuals for lifting units or trolleys must be observed imperatively.

Warning paint/marking/danger signs:

| Caution - Suspended load | Figure 01 |
|---|-----------|
| • Caution - The load must not be lifted higher than 1.8 m | Figure 02 |
| • CE sign | Figure 03 |
| Electric voltage | Figure 04 |





CE



Figure 01

Figure 02

Figure 03

Figure 04

3. PARTICULAR SAFETY INSTRUCTIONS

Transport/assembly:

Vacuum Glass Lifter, single parts and larger assemblies should be carefully affixed to suitable and technically acceptable hoisting apparatus / load lifting members with sufficient load capacity.

Connection:

Connection work is only to be performed by personnel specifically designated and trained for the job.

Start-up/operation:

- Before initial start-up, as well as daily start-up, carry out a visual check and carry out the predefined user-checks routine.
- Only operate the Vacuum Glass Lifter if the protective and safety equipment provided is ready and working.
- Damage to the Vacuum Glass Lifter and changes in its operational behaviour must be reported immediately to the person responsible.
- After use, or when in a non-operational mode, the Vacuum Glass Lifter should be secured against unauthorized and unintentional use.
- Refrain from hazardous mode of operation.

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Cleaning/service/repair/maintenance/refitting:

- Use the working platforms and ladders provided for assembly work above body height.
- Ensure any oils or other agents used are discharged, collected and disposed of safely and in an environmentally sound manner.
- Mount and check safety installations that have been disassembled for servicing or repairing after service and repair work has been completed.
- Adhere to predefined testing and service intervals specified in the operator's manual.
- Operating personnel should be informed before starting special or refitting work.
- Secure the repair working area.
- Prevent the Vacuum Glass Lifter from being unexpectedly switched on during maintenance or repair work.
- Attach warning signs.
- Switch off the mains connection switch and secure against unauthorized switch on.
- Retighten screw connections that have been loosened for maintenance and repair work.
- Replace non-reusable fixing elements and sealings (e.g. self-locking nuts, washers, cotter pins, O rings and sealings).

Shut down/storage:

- Clean and preserve (lubricate/grease) the vacuum glass lifter before long periods of inactivity or storage.
- Longer-term storage can lead to loss of program data in the internal control memory. Consultation with the manufacturer is recommended.

4. INSTRUCTIONS FOR HAZARD PROTECTION

Hazardous areas must be clearly marked by warning signs and safety fences. It must be ensured that warnings regarding hazardous areas are given due attention.

Hazards can stem from:

- Incorrect application.
- Not following safety directions properly.
- Not carrying out test and maintenance work thoroughly.



5. TECHNICAL STATUS

According to the following EC Directives:

- Machinery Directive: 2006/42/EC

For the most specific risks of this machine, safety and compliance with the essential requirements of the Directive has been based on elements of:

- EN ISO 12100:2010/ Safety of machinery General principles for design Risk assessment and risk reduction (ISO 12100:2010).
- EN 13155:2003+A2:2009/ Cranes Safety Non-fixed load lifting attachments.

Recurring checks

Each device/unit operator should adequately note all checks, service and revision works performed in the log book. These should con-firmed by the competent person in charge.

Incorrect or missing entries will lead to forfeiture of the manufacturer's warranty.



CAUTION!

Equipment and cranes are to be checked periodically by a specialist. Primarily visual and functional checks are to be carried out, whereby the condition of components with respect to damage, wear, corrosion or any other changes are determined. In addition, safety equipment is assessed for completeness and efficiency. It may be necessary to disassemble the equipment to correctly assess wear parts.



CAUTION !

Suspension means must be inspected over their entire length, including covered or hidden parts.

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CAUTION !

All periodical checks should be arranged by the operator.

6. INTENDED USE

The Vacuum Glass Lifter AVGLP4-400 is vacuum lifting device for different payloads. It can be installed as stationary or mobile units. The Vacuum Glass Lifter is manufactured in accordance with the latest technical developments and approved safety standards. It is tested for safe operation by the manufacturer.

The Vacuum Glass Lifter may only be used when in an acceptable technical condition and when in accordance with their in-tended use. It may only be used by trained personnel in a safe and responsible manner.

Using the Vacuum Glass Lifter as intended also includes the adherence to the operating and maintenance requirements prescribed by the manufacturer.

The Vacuum Glass Lifter AVGLP4-400 is not used as intended if:

- The defined maximum load is exceeded.
- The position of the vacuum surfaces to the lifting goods is changed.
- The load is pulled diagonally (see Figure 05 on page 6).
- The loads break away, are pulled or dragged.
- The lifting good is dropped before the load is unloaded.
- Persons are transported.
- · Loads are transported when personnel are underneath.
- Standing under suspended loads (see Figure 06 on page 7).
- Excessive loads are transported.
- Loads are not observed constantly.
- Allowing the load to fall due to a slack chain.
- The lifter is used at temperatures below -15°C or above + 50°C.
- The lifter is used in an potentially explosive environment.



GENERAL SAFETY INSTRUCTIONS



CAUTION !

The operator always needs to be able to have an eye on the manometer and to monitor it.



CAUTION!

Lifting goods higher than 1.8 m is prohibited. (see **Figure 07 on page 7**)



CAUTION !

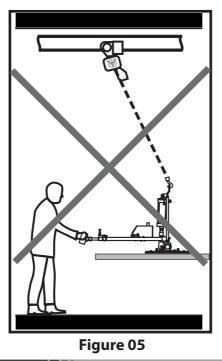
Sucking in and transporting of lifting goods with soiled and uneven surfaces is prohibited.



CAUTION!

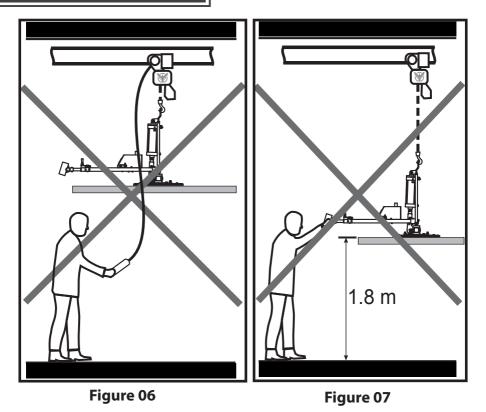
The operating panel can only be actuated when the operator has full view at the complete panel and if an incorrect use can be ruled out.

Inching operations should be avoided. The manufacturer accepts no liability for damage to equipment and third parties ensuing from such action:



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GENERAL SAFETY INSTRUCTIONS



OPERATING INSTRUCTIONS

1. BEFORE OPERATING THE LIFTER

- · Attaching the lifter to hoisting equipment.
- Determine whether the capacity of the crane, hoist, sling and other attachments is suitable for combining with the AVGLP4-400 and max. load weight as well.
- Perform a load test for the lifter before handling the load.

2. MORE 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.



OPERATING INSTRUCTIONS

- 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 a load test and check warning light and vacuum gauge before commencing operation 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 pads correctly and make sure it is balanced.
- Never lift a load when any vacuum indicator shows an inadequate vacuum (lower than 53 kPa (40 CmHg) or if the red warning light is on.
- Never leave suspended loads unattended.
- Always charge the battery before and after use.
- When the battery for alarm system is low, the operator must recharge it before commencing operation.
- 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 if it is damaged, malfunctioning or has 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 slide the slide valve to the OFF position (on the handle control) during the lifting process. This will 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.

3. INSTRUCTIONS FOR USE

Step 1: Connect the AVGLP4-400 to a crane or other hoisting equipment to start.

Step 2: Carefully connect the air hose into the ball valve of lifter before lifting.

OPERATING INSTRUCTIONS

- **Step 3:** Place the lifter in the center of the glass panel for balancing to ensure safety during the lifting process.
- Step 4: Open the ball valve to create the vacuum.
- Step 5: Turn on the slide valve to supply the vacuum into the vacuum pads.
- Step 6: Press the button of the alarm system and observe:
 - If the sound alert in case of vacuum leakage: DO NOT lift the material.
 - If the vacuum is fully pumping:
 - + Alert sound is off.
 - + Needle of vacuum gauge is in the green zone. It means that the lifter can lift the material.
 - + The Power Switch stayed on the alarm system:
 - For using audio alarm: You press the button on the left.
 - For using an energy saver alarm: You press the button on the right.
- Step 7: Lift and move the material:
 - For lifting the material in the vertical direction, pull the the Tilting Button outside to perform action.
 - For the material lifting in the horizontal direction, push the Tilting Button inside to perform action.
- **Step 8:** When the material is placed down to the desired location, press the Safety Button and slide the slider valve to the OFF position to stop the vacuum pumping and release material.
- **Step 9:** Carefully take disconnect the air hose to finish the lifting process.
- **NOTE:** Depending on the dimensions of the material, the user can adjust the length of the guide rod by pressing the Push-Button.

AIR REGULATOR GAUGE

The Air Regulartor Gauge is used to indicate the pressure levels which are supplied to the system. The pressure can be adjusted by a pressure controller. **NOTE:** The Vacuum Glass Lifter is already adjusted for pressure optimization. It is recommended that the operator **DOES NOT** adjust the pressure level unless the lifter be adjusted to the pressure level to suit the environment regulations in your country. And here is the way to adjust the pressure level:

- Lift the pressure controller up which is located on the cover to adjust:
 - Adjust the pressure in clockwise direction to increase the pressure level which reaches 0.8 MPa (116 Psi).



AIR REGULATOR GAUGE

- Adjust the pressure in anti-clockwise direction to decrease the pressure level which reaches 0.5 MPa (72.5 Psi).
- After the required pressure is achieved, push the pressure controller down to lock it tightly.

INSPECTIONS, MAINTENANCE

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

INSPECTIONS

Check the AVGLP4-400 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.
- Listen for unusual vibration or noise while operating the lifter.
- · Cracks, cuts, corrosion or any deficiency affected entire lifter.
- Missing parts.
- · Damaged edges of the device while sealing.
- Repair all faults before using the lifter.

MAINTENANCE

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

- 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 mages
- You must clean the air filter to eliminate dust or contamination.
- Release the water in the vacuum tank is located on the bottom by screwing the air outlet valve.
- 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.

INSPECTIONS, MAINTENANCE

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

WARRANTY

At the time of delivery, it is necessary to check that the Vacuum Glass Lifter has not been damaged during shipment. Any claims must be presented within 8 days of the date of delivery of the product. We grant you 12 months warranty on the Aardwolf Vacuum Glass Lifter countered from the day of purchase.

The warranty coverage is not applicable when:

- The lifter is handled incorrectly during maneuvering.
- The operator fails to comply with the instructions in this booklet.
- The lifter's maximum permissible capacity is exceeded.
- The specifications for pipe size 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.
- Non-original spare parts were used.

SPECIFICATIONS

| AVGLP4-400 | Metric (mm-kg) | Imperial (inch-lb) |
|---------------------|----------------------------------|------------------------------|
| Number of pad | 4 | - |
| Pad diameter | 300 | 12" |
| Working load limit | Vertical: 200 Horizontal: 400 | 441 882 |
| Net weight | 88 | 194 |
| Gross weight | 124 | 273 |
| Packaging dimension | 1480x430x960 | 58.3"x16.9"x37.8" |

Battery information for the device Battery charger for lifter:

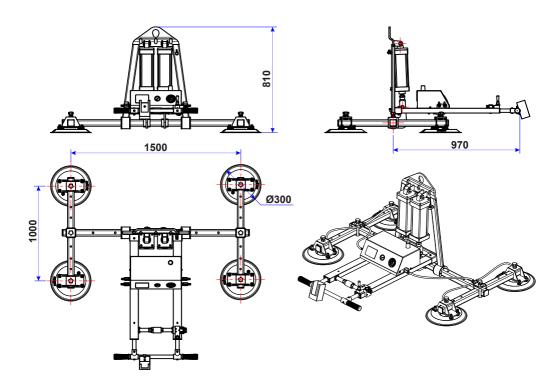
| • | |
|---|-----------------------------------|
| Code battery: GBA 12V 2.0Ah Bosch | Battery charger: GAL 12V-40 Bosch |
| Type battery: Lithium-ION | Input supply voltage: 220-240VAC |
| Voltage: 12V | Output voltage: 12V |
| Current: 2.0Ah | Output current: 4.0Ah |
| Quantity: 1 | Quantity: 1 |
| Continuous operation time with mode saving pressure: 2 hours | Fully charger time: 0.5 hour |
| Working time with mode saving pressure: 6 hours | Weight: 460 gram |
| Continuous operation time with mode audio alarm only: 120 hours | |
| Working time with mode audio alarm only: 360 hours | |

Compressed air requirement:

| Air consumption | 180 liters/minute |
|---------------------|-------------------|
| Supply air pressure | 5 bars (72 psi) |



DIMENSIONS

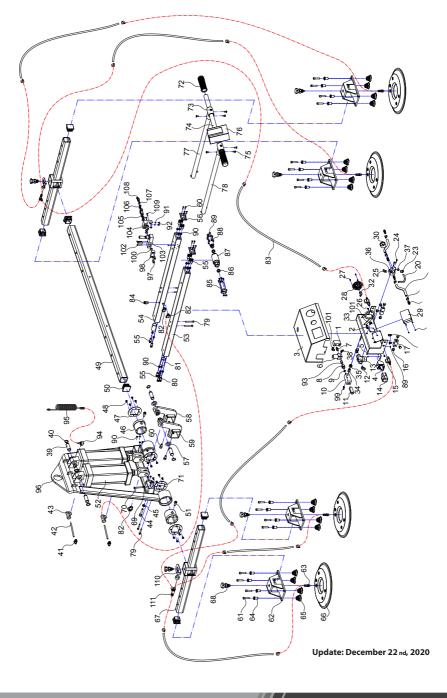




- Pneumatic vertical-horizontal tilting from 0 to 90°
- Vacuum tank ensuring safe pickup in the event of a sudden power break to the vacuum pump
- Acoustic and visual alarm system powered by a rechargeable 3.7V battery
- Slide valve with ON/OFF position for attaching and releasing of material

VACUUM GLASS LIFTER AVGLP4-400

ASSEMBLY DIAGRAM





PART DRAWING & PART LIST

| POSITION | CODE | DESCRIPTION | QTY. |
|----------|----------------------------------|--------------------------------------|------|
| 1 | AVGLP4-400-001 | VACUUM SWITCH | 1 |
| 2 | AVGLP4-400-002 | Y CONNECTION Ø6 | 1 |
| 3 | AVGLP4-400-003 | COVER | 1 |
| 4 | AVGLP4-400-004 | BATTERY BASE | 1 |
| 5 | AVGLP4-400-005 | COUNTERSUNK HEAD M4x8 | 2 |
| 6 | AVGLP4-400-006 | PRESSURE CONTROLLER | 1 |
| 7 | AVGLP4-400-007 | CONNECT MALE TUBE 1/4 | 1 |
| 8 | AVGLP4-400-008 | NOZZLE | 1 |
| 9 | AVGLP4-400-009 | O-RING SEAL Ø12.8 | 1 |
| 10 | AVGLP4-400-010 | VENTURI PUMP | 1 |
| 11 | AVGLP4-400-011 | PLASTIC SILENCER | 1 |
| 12 | AVGLP4-400-012 | L-CONNECT MALE Ø10x3/8 | 2 |
| 13 | AVGLP4-400-013 | FILTER | 1 |
| 14 | AVGLP4-400-014 | BATTERY | 1 |
| 15 | AVGLP4-400-015 | TAILPIECE MALE 1/4 | 2 |
| 16 | AVGLP4-400-016 | COVER BOLT 1/4 | 8 |
| 17 | AVGLP4-400-017 | DELIVER - A | 2 |
| 18 | AVGLP4-400-018 | AIR OUTER VALVE 1/4 | 1 |
| 19 | AVGLP4-400-019 | COLLAR Ø16 | 16 |
| 20 | AVGLP4-400-020 | COMPRESSED AIR HOSE Ø10 | 1 |
| 21 | AVGLP4-400-021 | TAILPIECE - MALE Ø12x1/4 | 4 |
| 22 | AVGLP4-400-022 | AIR HOSE Ø16-B | 2 |
| 23 | AVGLP4-400-023 | I - CONNECTOR TUBE Ø10x1/4 | 1 |
| 24 | AVGLP4-400-024 | HEXAGON SOCKET HEAD CAP SCREW M5x30 | 2 |
| 25 | AVGLP4-400-025 | ELBOW MALE TUBE Ø6x1/8 | 2 |
| 26 | AVGLP4-400-026 | MACHINE SCREW M5x10 | 2 |
| 27 | AVGLP4-400-027 | MACHINE SCREW M4x10 | 3 |
| 28 | AVGLP4-400-028 | VACUUM GAUGE | 1 |
| 29 | AVGLP4-400-029 | WARNING HORN | 1 |
| 30 | AVGLP4-400-030 | AIR REGULATION GAUGE | 1 |
| 31 | AVGLP4-400-031 | NUT M4 | 4 |
| 32 | AVGLP4-400-032 | ELBOW FEMALE TUBE Ø6x1/4 | 1 |
| 33 | AVGLP4-400-033 | VACUUM TANK | 1 |
| 34 | AVGLP4-400-034 | CHECK VALVE | 1 |
| 35 | AVGLP4-400-035 | BUSH | 1 |
| 36 | AVGLP4-400-036 | DELIVER - B | 1 |
| 37 | AVGLP4-400-037 | QUICK CONNECTOR 1/8 - Ø4 | 1 |
| 38 | AVGLP4-400-038 | ELBOW MALE TUBE Ø4x1/8 | 1 |
| 39 | AVGLP4-400-039 | PIN Ø20x55 | 4 |
| 40 | AVGLP4-400-040 | CIRCLIP Ø20 | 8 |
| 41 | AVGLP4-400-041 | ELBOW MALE TUBE Ø10x1/2 | 2 |
| 42 | AVGLP4-400-042 | AIR HOSE Ø10x100 | 2 |
| 43 | AVGLP4-400-043 | TEE FEMALE TUBE FIT Ø10x1/2 | 2 |
| 44 | AVGLP4-400-044 | HEXAGON SOCKET HEAD CAP SCREW M10x40 | 2 |
| 45 | AVGLP4-400-045 | WASHERØ10 | 2 |
| 46 | AVGLP4-400-046 | PLASTIC BUSH | 2 |
| 40 | AVGLP4-400-047 | FLANGE | 4 |
| 48 | AVGLP4-400-048 | COUNTERSUNK SCREW M4x12 | 16 |
| 49 | AVGLP4-400-049 | CROSS BAR | 10 |
| 50 | AVGLP4-400-050 | PLASTIC COVER | 6 |
| 51 | AVGLP4-400-050 | HEXAGON SOCKET HEAD CAP SCREW M10x20 | 4 |
| 52 | AVGLP4-400-051 AVGLP4-400-052 | CYLINDER Sc80x200 | 2 |
| 53 | AVGLP4-400-052 AVGLP4-400-053 | HANDLE (LEFT) | 1 |
| 55 | | HANDLE (RIGHT) | 1 |

| 55 | AVGLP4-400-055 | HOLE COVER - A | 12 |
|-----|----------------------------------|-------------------------------------|----|
| 56 | AVGLP4-400-055 | TUBE COVER | 2 |
| 57 | AVGLP4-400-057 | WASHER Ø20x3.5 | 4 |
| 58 | AVGLP4-400-058 | ARM (RIGHT) | 1 |
| 59 | AVGLP4-400-059 | ARM (LEFT) | 1 |
| 60 | AVGLP4-400-060 | COUNTERSUNK FLAT HEAD SCREW M4x20 | 4 |
| 61 | AVGLP4-400-061 | HEXAGON SOCKET HEAD CAP SCREW M8x35 | 16 |
| 62 | AVGLP4-400-062 | BRACKET | 4 |
| 63 | AVGLP4-400-063 | TAILPIE G1/4xØ12 | 4 |
| 64 | AVGLP4-400-064 | BUSHING | 16 |
| 65 | AVGLP4-400-065 | CONE SPRING | 16 |
| 66 | AVGLP4-400-066 | RUBBER SUCTION CUP | 4 |
| 67 | AVGLP4-400-067 | STRINGER BEAM | 2 |
| 68 | AVGLP4-400-068 | LATCH LOCKING | 6 |
| 69 | AVGLP4-400-069 | WASHER Ø6 | 2 |
| 70 | AVGLP4-400-003 | HEXAGON SOCKET HEAD CAP SCREW M6x55 | 2 |
| 70 | AVGLP4-400-070 | NYLON NUT M6 | 2 |
| 72 | AVGLP4-400-071 AVGLP4-400-072 | RUBBER HANDLE | 2 |
| 72 | AVGLP4-400-072 AVGLP4-400-073 | PUSH BUTTON | 2 |
| 73 | AVGLP4-400-073 AVGLP4-400-074 | HANDLE ASSEMBLY | 1 |
| 74 | AVGLP4-400-074 AVGLP4-400-075 | ROUND HEAD MACHINE SCREW M4x10 | - |
| 75 | AVGLP4-400-075 AVGLP4-400-076 | PENDANT CONTROL BRACKET | 6 |
| 70 | AVGLP4-400-076 AVGLP4-400-077 | | _ |
| | | GUIDE ROD RIGHT | 1 |
| 78 | AVGLP4-400-078 | GUIDE ROD LEFT | 1 |
| 79 | AVGLP4-400-079 | HEXAGON SOCKET HEAD CAP SCREW M6x40 | 8 |
| 80 | AVGLP4-400-080 | HOLE COVER - B | 4 |
| 81 | AVGLP4-400-081 | SHAFT | 2 |
| 82 | AVGLP4-400-082 | L - CONNECTOR MALE Ø10 - G1/4 | 3 |
| 83 | AVGLP4-400-083 | AIR HOSE Ø16 | 6 |
| 84 | AVGLP4-400-084 | I - CONNECTOR MALE Ø10 - G1/4 | 1 |
| 85 | AVGLP4-400-085 | HANDLE CONNECTOR | 2 |
| 86 | AVGLP4-400-086 | 0-RING 0D22.36 - Ø2.62 | 4 |
| 87 | AVGLP4-400-087 | SLIDE VALVE | 1 |
| 88 | AVGLP4-400-088 | HEXAGON SOCKET HEAD CAP SCREW M4x14 | 12 |
| 89 | AVGLP4-400-089 | O-RING OD13.56 - Ø1.78 | 5 |
| 90 | AVGLP4-400-090 | 0-RING 0D13 - Ø1.9 | 36 |
| 91 | AVGLP4-400-091 | 0-RING OD9.5 - Ø1.7 | 5 |
| 92 | AVGLP4-400-092 | COVERSCREW | 2 |
| 93 | AVGLP4-400-093 | CONNECTOR MALE 1/4 | 1 |
| 94 | AVGLP4-400-094 | AIR CONNECTOR | 1 |
| 95 | AVGLP4-400-095 | SPIRAL HOSE | 1 |
| 96 | AVGLP4-400-096 | BODY | 1 |
| 97 | AVGLP4-400-097 | SPECIAL BOLT | 2 |
| 98 | AVGLP4-400-098 | LEFT CONNECTION BOX | 1 |
| 99 | AVGLP4-400-099 | WIND NUT M6 | 1 |
| 100 | AVGLP4-400-100 | 0-RING 0D17.5 - Ø2.5 | 5 |
| 101 | AVGLP4-400-101 | L- CONNECTOR Ø6xG1/8 | 2 |
| 102 | AVGLP4-400-102 | HEXAGON SOCKET HEAD CAP SCREW M4x30 | 3 |
| 103 | AVGLP4-400-103 | HANDLE VALVE STNC TG3521B-08C | 1 |
| 104 | AVGLP4-400-104 | RIGHT CONNECTOR BOX | 1 |
| 105 | AVGLP4-400-105 | PRESSURE CONTROLLER | 2 |
| 106 | AVGLP4-400-106 | LOCKING NUT | 2 |
| 107 | AVGLP4-400-107 | O-RING OD6.56 - Ø1.78 | 2 |
| 108 | AVGLP4-400-108 | ADJUSTABLE KNOB | 2 |
| 109 | AVGLP4-400-109 | HEXAGON SOCKET HEAD CAP SCREW M4x16 | 2 |
| 110 | AVGLP4-400-110 | CONNECTOR (3 PORTS) | 2 |
| 111 | AVGLP4-400-111 | TAIL PIECE (3 PORTS) | 2 |





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