

# GAZELLE®

## **G9635** Battery Powered Hydraulic Pump User Manual



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## 1. Instruction



***Before you start using the tool, please read the instructions carefully.***

- → This tool is only suitable for designated purposes.
- → This tool must be used by specially trained personnel.
- → The instructions should be kept properly during the entire lifetime of the tool. Visit [www.gazelleindustrial.com](http://www.gazelleindustrial.com) to download digital copy of user manual.

## 2. Labels

The front label of the tool is marked with model specifications, technical parameters and company logo.

## 3. Quality Warranty

Each GAZELLE Hydraulic tools is warranted to be free from defects in material and workmanship under normal use and service unless stated otherwise herein. The warranty period for the main unit is one year and begins on the date of purchase. Parts, accessories, product repairs and services are warranted for 90 days, unless otherwise stated.

## 4. Parts Included

Parts description: GAZELLE G9635 is a chargeable battery pump, composed of the following parts



1. Rechargeable battery pump

2. Battery

3. Oil hose

4. Charger

5. Manual control box

6. Wireless remote

## 5. Technical Specification

### Pump specification

Type: Reset plunger single-acting hydraulic pump

Rated pressure: 700bar

## **Oil Output**

High pressure (20-700bar):	0.2L/min, 2 batteries 0.1L/min, 1
Battery Low pressure (0-20bar):	1.3L/min, 2 batteries 0.65L/min, 1 battery
Tank capacity:	0.7L Weight: 7.5Kg
Working noisy:	83dB(A)

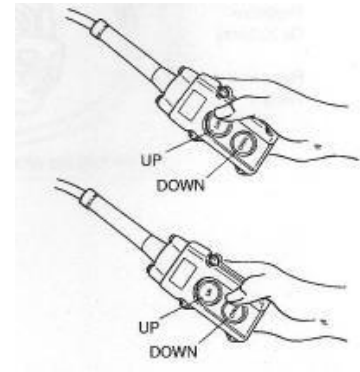
## **Battery Specification**

Type:	lithium battery
Voltage:	18.0 V DC
Output current:	4.0 A
Charging time:	40 min

## **6. Operation Manual**

- 1) Connect the hydraulic oil pipe to the battery pump connector, and then connect the oil pipe to the connector of the applicable equipment.
- 2) Remove the aviation plug socket cover, connect the plug of the hand control box line;
- 3) Install the battery;
- 4) Press the DOWN button (retract) or UP button (advance) and confirm that the LCD screen lights up.
- 5) Keep pressing the UP button (advance) to start the battery pump; hydraulic oil will be pressed into the cylinder.
- 6) When working, release the UP button (advance) to stop the operation of the battery pump, the booster motor stops

working, and the hydraulic oil stops being pressed into the cylinder.



- 7.1) Press and hold the UP button and continue to pressurize until it reaches the preset pressure of 700Bar, and the pressurizing motor will stop running. The pressure is released and the hydraulic oil returns to the oil bladder.
- 7.2) Press and hold the DOWN button (retract), the pressure relief motor will work, the pressure will be released, and the hydraulic oil will return to the oil bladder.
- 8) After the battery pump is completed, after the connected device state returns to the initial position, remove the battery;
- 9) Disconnect the plug of the remote-control cable and install the socket cover;
- 10) Disconnect the oil pipe and the battery pump connector, install the dust cover;

Note:

1. After installing the battery, push the battery without pressing the button on the side of the battery to check whether the battery is firm;
2. After installing the hydraulic oil hose, pull it gently to check whether the hydraulic hose connection is firm.

## **7 、 Important operational precautions**

- When connecting the oil hose, pay attention to whether there is anything attached to the joint. If there is a thing attached to the joint, please clean it carefully; the attachment may cause damage to the joint or other seals;
- When the connector is connected, ensure that the connector is firmly connected, otherwise the seal or other parts will be damaged due to the connection problem of the connector when the battery pump is working;
- Use the oil hose provided with the pump, if it is unavoidable to use other types of hose, ensure that the length of the hose does not exceed 10 meters, provided that the amount of oil meets the requirements of the tool. This pump is designed for light work. Long hose will cause the pump body to run over time and cause pump failure;
- When the pump is working, do not bend the oil hose, which will shorten its service life and may cause the oil hose to rupture;
- Do not pull the hydraulic oil hose or remote-control rope to move the pump body;
- If the battery pump is stored below  $-5^{\circ}\text{C}$  for a long time, the viscosity of the hydraulic oil will increase. In order to ensure the smooth operation of the battery pump, please be sure to keep it at a temperature of  $10\sim 25^{\circ}\text{C}$  for 1 hour before use;
- Since this battery pump is designed for light-duty use and uses batteries as power, the pump cannot be used continuously. Ensure that the motor and oil do not heat up; the pump should be cooled for more than 10

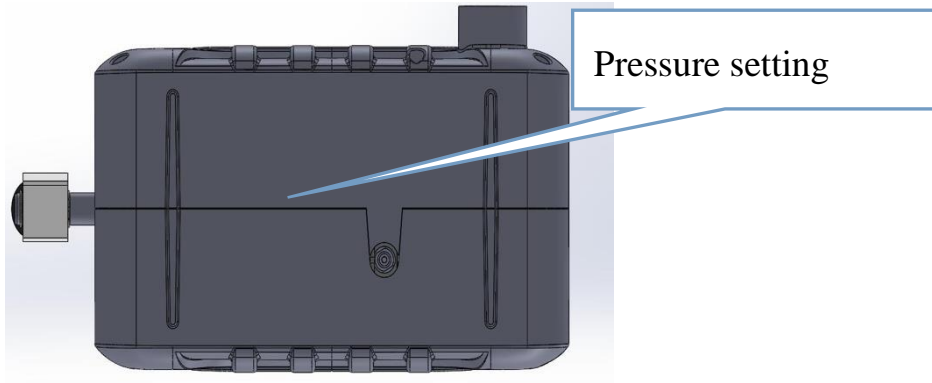
minutes after every 20 minutes of use;

- Pay attention to the battery pump falling or being impacted and other damages;
- Check the hydraulic oil regularly and replenish it in time when the oil level is low. When replenishing hydraulic oil, use the designated hydraulic oil. It is strictly forbidden to use vegetable oil or brake fluid;
- Summary of display error codes

Error code	Reason	Solution
Empty battery icon	Low battery, battery needs to be replaced as soon as possible	Replace battery
E00	Low battery, battery needs to be replaced as soon as possible	Replace battery
E01	The main motor is blocked or overcurrent	Return to factory for repair
E02	Pump body temperature is too high	Wait for the pump body to cool down
E03	Hydraulic output pressure is less than 650Bar	Adjust pressure output value
E04	Hydraulic output pressure is larger than 730Bar	Adjust pressure output value
E05	The pressure relief valve motor cannot open or close the pressure relief valve after working for more than 20 seconds	Return to factory for repair
E06	The main motor still cannot complete pressure output after 120 seconds of work	Return to factory for repair
E99	The user quickly clicks the start button continuously, and the system enters the protection state	Re-plug the battery to avoid continuous quick taps



Pressure adjustment: due to the change of hose length, the output pressure will change slightly, the customer can adjust the preset pressure by himself (use a 3mm hex wrench).



## 8. Check and Maintenance

To ensure smooth operation and prevent rust, the pump should be stored in a dry and ventilated environment. The moving parts should be greased frequently.

- 1) Failure to routine check and maintenance may cause malfunctions;
- 2) The hydraulic oil is completely replaced every 6 months, using Shell T15 hydraulic oil. It is strictly forbidden to use vegetable oil or brake oil;
- 3) When replenishing or replacing hydraulic oil, place the oil pump at the position where the oil injection port faces upward; use an hex wrench to turn counterclockwise to remove the plug, and after adding hydraulic oil, install the plug back to the oil injection port. Pay attention when installing make sure that there is no air in the oil bladder.
- 4) In order to ensure non-corrosion and correct operation, avoid placing the pump in a humid place.

5) In the case of regular maintenance of the battery pump, there is generally no failure. If there is a problem, please contact our dealer.

6) As long as the above maintenance steps are followed, the pump can provide effective services for many years. Please pay attention to the above matters.

## **9. Service and maintenance**

**Although on-site repairs are possible, all repairs must be performed by the after-sales department authorized by our company!**

1. The power of battery pump is provided by batteries. When there is a problem, please replace the battery or charge it before considering other reasons.

2. When the battery power is low, the battery pump will not be able to press up. Please replace the battery or charge first, and then consider other reasons.

3. The battery pump has a small oil delivery volume, even a slight oil leak will affect its performance.

4. The main reasons for the failure: component damage, hydraulic oil contamination, filter blockage, mechanical wear, etc.

Question	Reason	Solution
The pressure value does not increase	<ul style="list-style-type: none"> <li>• Foreign matter jams the filter</li> <li>• Insufficient hydraulic oil</li> <li>• The circuit board is damaged</li> <li>• Damage to pump accessories</li> </ul>	Clean the filter Replenish hydraulic oil Overhauled by authorized service personnel Overhauled by authorized service personnel
Oil pressure rises slowly	<ul style="list-style-type: none"> <li>• Contaminated oil</li> <li>• The oil temperature is too high</li> <li>• Air enters the tubing or applicable joints</li> <li>• Damaged pump accessories</li> </ul>	Replace hydraulic oil Wait for the oil temperature to cool down Overhaul by authorized service personnel Overhaul by authorized service personnel
The battery pump does not work	<ul style="list-style-type: none"> <li>• The connection between the remote control and the plug is damaged</li> </ul>	Check plug connection Check the safety connection

	<ul style="list-style-type: none"> <li>• The pump does not work even after pressing the switch</li> <li>• Other power issues</li> </ul>	of each interface  Overhaul by authorized service personnel
The piston cannot be returned after being advanced	Air enters the tubing or applicable joints  Solenoid control valve accessories	Overhaul by authorized service personnel  Overhaul by authorized service personnel

## 10. Waste Disposal

Different parts of the tool must be treated separately, and the waste oil must be handled in a special waste oil transfer place.



Hydraulic oil is harmful to the ground, and uncontrolled discharge or improper handling will result in fines.



We shall in no event be liable for death, injuries to persons or property from the improper use and lack of maintenance of our product. Any doubt of safety operation and precaution, please contact with our distributor.



Please properly dispose of all packaging materials and disassembled parts.

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