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GX pump GX-E-L3

GX PUMP L3 Portable PCP Air Compressor User Manual

Model: GX-E-L3

1. Introduction

Product Overview

The GX PUMP L3 is a portable PCP air compressor designed for inflating airguns, rifles, paintball tanks, and mini diving tanks up to 4500 Psi (320 Bar/32 Mpa). It features dual 18V lithium batteries for cordless operation, an automatic shut-off function, a built-in oil-water separator, and an integrated cooling fan, offering convenience and efficiency for various high-pressure air needs.



A front-side view of the GX PUMP L3 portable air compressor, showcasing its compact design, dual battery slots, control panel, and high-pressure hose connection.

2. Safety Instructions

Adhere to the following safety guidelines to ensure safe operation and prevent damage to the unit or injury.

- **Do not start the machine under internal pressure.** Starting the compressor with existing pressure in the system can cause damage.
- Always release the bleed valve after turning off the power, including during the shutdown cooling cycle.
- Ensure adequate ventilation during operation to prevent overheating.
- The cooling fan is manual; allow the machine to cool down after each use before turning off the power completely.
- For optimal performance and longevity, operate the machine for a maximum of 15 minutes, then allow it to rest for 10 minutes.
- If inflating mini diving tanks for actual diving, it is recommended to use an additional air filter separator for air purity.



A yellow warning sign with a hand pressing a button, accompanied by text emphasizing that the machine cannot be started under internal pressure and the bleed valve must be released after each power-off.

3. Package Contents

Please verify that all the following items are present in your package:

- 1 x GX PUMP L3 Air Compressor Machine
- 1 x Instruction Manual
- 2 x 18V Lithium Batteries
- 2 x Battery Chargers
- 1 x Pull Rod
- 1 x 19mm Socket Spanner
- 1 x First Stage Piston Ring
- 2 x Wrenches (12-14mm, 14-17mm)
- 2 x Springs
- 10 x Burst Discs

- 6 x Allen Wrenches (2mm, 2.5mm, 3mm, 4mm, 5mm, 7mm)

4. Setup

Battery Installation and Removal

The compressor operates with two 18V lithium batteries. Ensure they are charged before installation.

1. **Installation:** Place the battery into the slot in direction 1 and then push it in direction 2 until it clicks securely.
2. **Removal:** Press the red button in direction 1 and push the battery out in direction 2.



A visual guide demonstrating the two-step process for inserting and removing the 18V lithium batteries from the compressor's battery slots.

Initial Connections

Connect the high-pressure hose to the compressor's quick connector. Ensure all connections are secure before operation to prevent air leaks.



A detailed view of the 8mm quick female connector on the compressor's hose and the corresponding male adapter, illustrating how they connect.

5. Operating Instructions

Charging the Batteries

Each 18V lithium battery takes approximately 2 hours to fully charge. A fully charged battery provides about 30 minutes of operation, with two batteries offering up to an hour of continuous use. You can charge one battery while using the other, allowing for extended operation.



An image showing the compressor with one battery inserted and the second battery connected to its charger, plugged into a wall outlet, indicating the charging process.

Inflation Procedure

1. **Connect:** Securely attach the compressor's 8mm quick female connector to the air inlet of the tank or device you intend to inflate.
2. **Power On:** Ensure both 18V lithium batteries are installed. Turn on the main power switch (ON/OFF).
3. **Set Pressure:** Use the pressure gauge to set the desired inflation pressure. The compressor will automatically shut off once this pressure is reached.
4. **Start Compressor:** Press the "START" button to begin the inflation process.
5. **Monitor:** Observe the pressure gauge during inflation.
6. **Automatic Shut-off:** The compressor will stop pumping air when the preset pressure is achieved. The cooling fan will continue to operate.
7. **Bleed Valve:** After the compressor stops, or if you need to pause, slowly open the bleed valve to release residual pressure from the hose before disconnecting.
8. **Disconnect:** Once pressure is released, disconnect the hose from your device.



A detailed view of the compressor's pressure gauge, showing pressure readings in PSI and Bar, with a red indicator for setting the target pressure.

Cooling and Shutdown

The compressor features a built-in cooling fan. After each inflation cycle, allow the fan to run to cool the machine before turning off the main power switch. This practice extends the lifespan of the unit. Always release the bleed valve after turning off the power.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your compressor.

- **Cooling Intervals:** To protect the pump and extend its life, adhere to the recommended duty cycle: operate the machine for a maximum of 15 minutes, then allow it to rest for 10 minutes.
- **Oil-Water Separator:** The built-in oil-water separator ensures dry and clean air. Regularly check and maintain this component as per the detailed instructions in the full manual (if available) to prevent moisture from entering your air system.
- **Storage:** Store the compressor in a clean, dry environment away from direct sunlight and extreme temperatures.

7. Troubleshooting

Common Issues and Solutions

- **Compressor does not start:**
  - Ensure batteries are fully charged and correctly installed.
  - Verify the main power switch is in the "ON" position.
  - Check if the bleed valve is closed before starting. The machine cannot start under internal pressure.
- **Slow inflation or low pressure:**
  - Check for leaks in connections.
  - Ensure the tank or device being filled is within the compressor's capacity (maximum 1L tank recommended).
  - Allow the compressor to cool if it has been running continuously for an extended period.
- **Batteries drain quickly:**
  - Ensure batteries are fully charged before use.

- Note that battery life is approximately 30 minutes per battery, or 60 minutes with two.
- Consider the ambient temperature, as extreme cold can affect battery performance.

- **Overheating:**
  - Adhere to the 15 minutes on / 10 minutes off duty cycle.
  - Ensure the cooling fan is operating correctly and not obstructed.
  - Do not obstruct the air vents on the compressor.

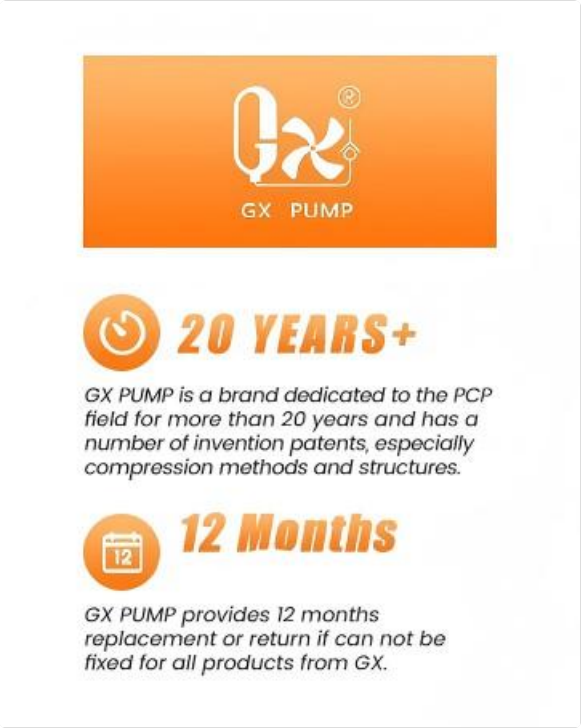
8. Specifications

Feature	Value
Brand	GX pump
Model Name	GX PUMP L3
Model Number	GX-E-L3
Maximum Operating Pressure	4500 Psi / 320 Bar / 32 Mpa
Power Source	Battery Powered (Dual 18V Lithium Batteries)
Voltage	18 Volts
Maximum Power	250 Watts
Air Flow Capacity	14 Liters Per Minute
Noise Level	72 Decibels
Item Weight	17.8 Pounds (approx.)
Product Dimensions	9.65"L x 5.71"W x 10.63"H
Tank Volume Capacity	1 Liter (maximum recommended)
Special Features	Automatic Shut-Off, Built-in Oil-Water Separator, Cooling Fan
Compatible Hose Diameter	8 Millimeters

9. Warranty and Support

GX PUMP provides a 12-month warranty for replacement or return if the product cannot be fixed. This warranty covers manufacturing defects and malfunctions under normal use from the date of purchase.

For technical support, warranty claims, or further assistance, please refer to the contact information provided with your purchase documentation or visit the official GX PUMP website for the most up-to-date support resources.



An image detailing GX PUMP's brand history, highlighting over 20 years of experience in the PCP field and confirming a 12-month warranty period for their products.

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