Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

GX pump GX-E-CS2

GX PUMP GX-E-CS2 Portable PCP Air Compressor User Manual

Model: GX-E-CS2 | Brand: GX pump

Introduction

This manual provides detailed instructions for the safe and efficient operation and maintenance of your GX PUMP GX-E-CS2 Portable PCP Air Compressor. This compressor is designed for filling devices with tanks less than 60 cubic inches (approximately 1 liter) up to a maximum pressure of 4500 PSI (30 Mpa).

Safety Information

Adhering to these safety guidelines is crucial for preventing injury and damage to the equipment.

- Always read and understand all instructions before operating the compressor.
- Ensure the bleed valve is released after inflation and before starting the compressor if there is residual pressure. Do not start the compressor when there is still air pressure inside.
- The CS2 model is a manual shutdown version; continuously monitor pressure growth and shut down manually once the desired pressure is reached.
- Avoid inflating tanks larger than 1 liter (60 cubic inches).
- Keep hands and loose clothing away from moving parts during operation.
- Operate the compressor in a well-ventilated area to prevent overheating.
- Refer to the warning label on the unit for additional safety precautions.

Product Overview

The GX PUMP GX-E-CS2 is a compact, oil-free, and water-free portable air compressor designed for convenience and performance. It features a 250W motor and built-in fan cooling for extended life.



Figure 1: GX PUMP GX-E-CS2 Portable PCP Air Compressor main unit.

Components

- **Compressor Unit:** Main body housing the motor, cylinder, and cooling fans.
- **12V DC Power Cable:** For connecting to a car battery.
- **110V AC to 12V DC Converter:** For powering the unit from a home electrical outlet.
- **High-Pressure Hose:** Equipped with an 8mm quick connector for device attachment.
- **Pressure Gauge:** For monitoring inflation pressure.
- **Bleed Valve:** For releasing residual pressure from the hose.
- **Accessory Bag:** Contains user manual, spare filters, and tools.

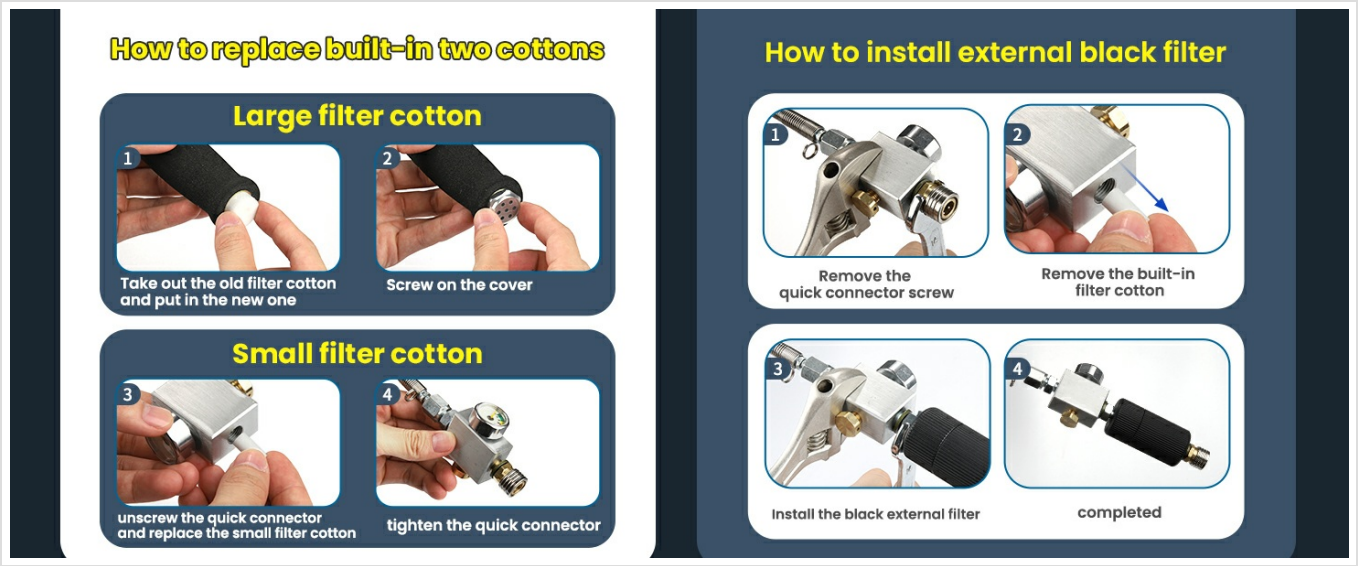


Figure 2: Detailed view of the compressor's internal components, including the 250W pure copper motor, explosion-proof valve, and precision PSI pressure gauge.

Setup

Power Connection

The compressor offers flexible power options for both home and outdoor use.

Using 12V DC (Car Battery)

1. Connect the 12V DC power cable to the compressor's input port.
2. Connect the alligator clips to your car battery terminals: red clip to the positive (+) terminal and black clip to the negative (-) terminal.
3. Ensure all connections are secure and free from corrosion.



Figure 3: Compressor connected to a 12V car battery for portable use.

Using 110V AC (Home Outlet)

1. Connect the 110V AC to 12V DC converter to the compressor's input port.
2. Plug the converter into a standard 110V AC home electrical outlet.
3. Ensure the power switch on the converter is set to the correct voltage (110V or 220V) if applicable.



Figure 4: Compressor powered by a home electrical outlet using the AC adapter.

Air Hose Connection

1. Connect the high-pressure hose to the compressor's output port.
2. Attach the 8mm quick connector on the hose to your PCP device's fill probe.
3. Ensure all connections are tight to prevent air leaks during operation.

Operating Instructions

Follow these steps for safe and effective operation of your compressor:

1. Ensure all connections (power and air hose) are secure.
2. Verify the bleed valve on the compressor is fully closed.
3. Turn on the power switch. The cooling fans will start.
4. Press the "Start" button to begin inflation.
5. Monitor the pressure gauge on the compressor and your device.
6. The compressor is designed for manual shutdown. Once the desired pressure is reached (maximum 4500 PSI / 30 Mpa), immediately press the "Off" button.
7. After stopping the compressor, slowly open the bleed valve to release residual pressure from the hose.
8. Disconnect the air hose from your device.

Inflation Times (Approximate)

- For a 0.5L container, from 200 BAR to 300 BAR: Approximately 8 minutes.
- For a 0.5L container, from 0 BAR to 300 BAR: Approximately 18-20 minutes.

Important Note: The compressor is designed for devices with tanks less than 60 cubic inches (1 liter). Do not attempt to inflate larger tanks. Recommended continuous run time is 15-20 minutes, followed by a 5-minute cooling period with fans running.

▶ **Watch video online**
GX CS2 compressor

Video 1: Demonstration of the GX PUMP GX-E-CS2 compressor in operation. This video illustrates the connection process and the compressor running to fill a PCP airgun.

Maintenance

The GX-E-CS2 is an oil-free and water-free compressor, which simplifies its maintenance requirements.

Filter Replacement

Regularly check and replace the built-in filter cottons and the external oil-moisture separator (if installed) to ensure optimal performance and air quality.

Replacing Built-in Filter Cottons

1. **Large Filter Cotton:** Unscrew the cover, remove the old cotton, insert a new one, and screw the cover back on securely.
2. **Small Filter Cotton:** Unscrew the quick connector, replace the small filter cotton, and tighten the quick connector.

Installing External Black Filter (Oil-Moisture Separator)

1. Remove the quick connector screw.
2. Remove the built-in filter cotton.
3. Install the external black filter in its place.
4. Reassemble the quick connector, ensuring a tight seal.

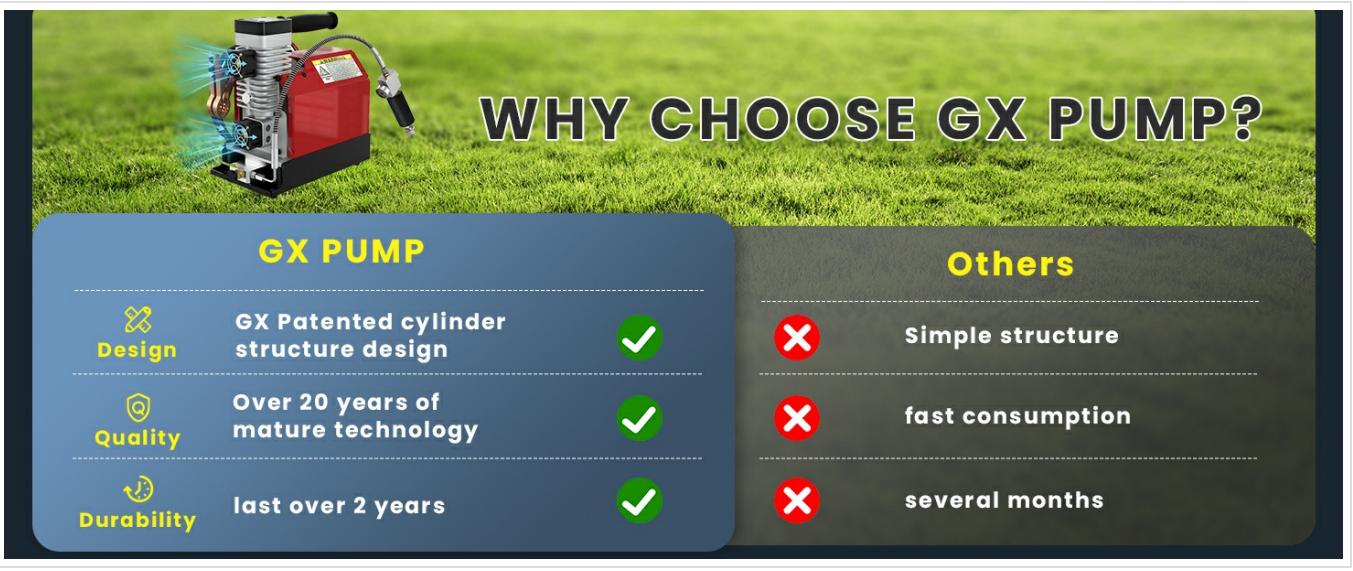


Figure 5: Visual guide for replacing built-in filter cottons and installing the external black filter.

General Care

- Keep the compressor clean and free from dust and debris.
- Ensure adequate ventilation during operation to prevent overheating.
- Store the compressor in a dry, cool place when not in use.
- Periodically inspect all hoses and connections for wear or damage.

Troubleshooting

If you encounter issues with your GX PUMP GX-E-CS2 compressor, refer to the following common problems and solutions:

No Pressure Build-up

- Check all connections for leaks. Tighten any loose fittings.
- Ensure the bleed valve is fully closed before starting inflation.
- Inspect filter cottons for blockage and replace if necessary.
- If the intake check valve was disassembled for cleaning, verify it is correctly reassembled. An incorrectly placed

valve can prevent proper air intake.

Overheating

- Ensure the compressor is operated within recommended continuous run times (15-20 minutes maximum).
- Allow sufficient cooling time (at least 5 minutes with fans running) between inflation cycles.
- Ensure the compressor is in a well-ventilated area and cooling fans are unobstructed.

Unusual Noises or Vibrations

- Immediately stop the compressor.
- Inspect for any loose parts or foreign objects.
- If the issue persists after inspection, contact customer support.

Specifications

Feature	Specification
Brand	GX pump
Model Number	GX-E-CS2
Maximum Pressure	4500 PSI / 30 Mpa
Maximum Power	250 Watts
Voltage	12 Volts (DC)
Power Source	Corded Electric (12V DC or 110V AC with converter)
Noise Level	75 dB
Air Flow Capacity	8 liters per minute
Item Weight	6.7 kg
Dimensions (L x W x H)	8.46" x 4.92" x 9.64"
Recommended Use	PCP paintball tank, devices with less than 60 cubic inches (1L) tank
Compressor Output Nut	M10*1 and 8mm quick connector

Warranty and Support

GX PUMP provides a **12-month replacement or return warranty** for all products if they cannot be fixed. This warranty covers manufacturing defects and malfunctions under normal use.

For further assistance, detailed instructions on specific procedures (e.g., advanced filter installation), or to claim warranty support, please refer to official GX PUMP resources or contact customer support directly.

© 2026 GX pump. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07XYRS15R

More documents and user manuals: **https://manuals.plus/**