

Anbull GX-E-5K1

Anbull GX-E-5K1 PCP Air Compressor Instruction Manual

Model: GX-E-5K1 | Brand: Anbull

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1. SAFETY INFORMATION

Read this manual thoroughly before operating the Anbull GX-E-5K1 PCP Air Compressor. Failure to follow instructions may result in injury or equipment damage. This compressor is designed for filling PCP (Pre-Charged Pneumatic) air tanks. Do not use for purposes other than its intended design.

- Always operate the compressor in a well-ventilated area.
- Ensure the power supply matches the compressor's requirements (110V).
- Never exceed the maximum pressure rating of 5800 psi (40 MPa) for the compressor or the tank being filled.
- Keep children and unauthorized personnel away from the operating compressor.
- Wear appropriate personal protective equipment, including eye protection.
- Do not touch hot surfaces during or immediately after operation.
- Ensure the water cooling system is properly filled and functioning before starting the compressor to prevent damage.
- If filling tanks over 5000 psi for scuba use, an additional burst disc is required, and the unit is not certified for scuba use without proper certification.

2. SETUP

2.1 Unpacking and Inspection

Carefully remove the compressor from its packaging. Inspect for any signs of damage during transit. Ensure all components listed in the packing list are present.

2.2 Coolant System Preparation

The water tank is drained for transport. Before initial operation, it is critical to add coolant. Use full automotive coolant.

1. Open the water tank cap.
2. Add coolant until the tank is full.

3. Turn on the power switch (do not press the start button yet). The water pump will activate, circulating coolant through the internal pipes.
4. Continue adding coolant as the level drops until the water tank remains full, indicating the system is primed.

Visible Water Flowing

Before starting the machine, please add full automotive coolant and make sure it flows into the water tank! If not, it will cause damage to compressor.



Figure 2.2.1: Visible water flow in the cooling system. Ensure coolant circulates properly before operation.

Warning: Operating the compressor without a full and circulating coolant system will cause severe damage to the unit.

2.3 Grease Injection System (Initial Use)

The grease tank is pre-filled at the factory. For the first 6 hours of use **do not turn the grease injection knob**. Turning it prematurely can introduce excessive grease into the machine, leading to poor air quality and potential operational issues. After approximately 6 hours of cumulative use, you may turn the knob 2/3 to 1 full turn to inject grease.

Equipped with Grease Pot, Oil-free Maintenance Clean and Labor-Saving

Notice: Never turn it for the first 6 hours of use as it will cause too much grease in the machine and cause bad air quality ! After 6 hours, can turn 2/3 turn.



Figure 2.3.1: Location of the grease pot and water tank cap.

2.4 Connecting to Air Tank

Connect the air output hose from the compressor to your PCP air tank or airgun. Ensure all connections are secure to prevent air leaks. The compressor is equipped with a moisture filter to ensure clean, dry air.



Figure 2.4.1: Compressor connected to an air rifle and a 6.8L tank.

3. OPERATION

3.1 Setting Auto-Stop Pressure

The compressor features an automatic shut-off function. Use the twin indicator arms on the shock-resistant pressure gauge to set your desired maximum pressure. When this pressure is reached, the compressor will automatically stop.



Figure 3.1.1: Pressure gauge for setting auto-stop. Also shows the hour meter and burst disc.

3.2 Starting the Compressor

After ensuring all connections are secure and the coolant system is ready:

1. Set the desired auto-stop pressure on the gauge.
2. Ensure the bleed valve is closed.
3. Press the "Start" button. The compressor will begin filling the connected tank.

The GX-E-5K1 utilizes a 1-piston, 4-stage compression system for efficient filling. Typical filling speeds are:

- 6.8L PCP tank: Approximately 90 minutes from 0 to 4500 psi.
- 0.5L tank: Approximately 3.5 minutes from 1000 to 4500 psi.
- 0.5L tank: Approximately 2.6 minutes from 1000 to 3000 psi.
- 1L tank: Approximately 8 minutes from 1000 to 4500 psi.
- 1L tank: Approximately 5 minutes from 1000 to 3000 psi.

The compressor is designed for continuous operation for up to 10 hours, thanks to its robust water and fan cooling system.

3.3 Post-Filling Procedure

Once the compressor automatically stops or you manually turn it off:

1. Slowly open the bleed valve to release pressure from the hose. The compressor will automatically bleed off moisture during this process.
2. Disconnect the air tank.
3. Allow the cooling fan to run for a few minutes after each fill to dissipate residual heat.

4. MAINTENANCE

4.1 Grease Injection

After the initial 6 hours of use, periodically turn the grease injection knob 2/3 to 1 full turn to lubricate the system. If the factory-supplied grease is depleted, use Food Grade E.P. Grease for replenishment.

4.2 Coolant System Check

Regularly check the coolant level using the remaining water indicator. Replenish coolant as needed to ensure efficient cooling and prevent overheating.

4.3 Moisture Filter

The built-in moisture filter helps ensure clean, dry air. Periodically inspect and maintain the filter according to the manufacturer's guidelines to prevent moisture buildup and ensure optimal performance.

Adopt Precision Oil-Water Separator Healthy and Fresh Air

Filter impurities

Free of impurities

Breathe directly



Figure 4.3.1: Precision oil-water separator for clean air.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Anbull GX-E-5K1 PCP Air Compressor. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Compressor does not start.	No power, power switch off, or safety mechanism engaged.	Check power connection, ensure switch is on. Verify no overload protection is tripped.
Coolant system not circulating water.	Low coolant level, airlock in system, or pump malfunction.	Add coolant until full. Turn on power (without starting compressor) to prime the pump. If issue persists, contact support.

Problem	Possible Cause	Solution
Air leak during operation.	Loose connections, damaged hose, or internal seal issue.	Check all hose connections and fittings for tightness. Inspect hoses for damage. If internal, contact support.
Compressor stops prematurely.	Auto-stop pressure reached, overheating, or electrical issue.	Check pressure gauge setting. Ensure adequate cooling. Allow unit to cool down if hot.
Poor air quality (e.g., oily air).	Excessive grease injection.	Ensure grease injection knob was not turned during the first 6 hours of use. Reduce frequency of grease injection.

6. SPECIFICATIONS

Feature	Detail
Model Number	GX-E-5K1
Brand	Anbull (GX pump)
Voltage	110 Volts
Maximum Power	900 Watts
Maximum Pressure	5800 psi (40 MPa)
Compression Stages	4 Stages
Piston Configuration	1 Piston
Cooling System	Water and Fan Cooling (Built-in water pump and radiator)
Special Features	Automatic Shut-Off, Moisture Filter, Grease Injection System
Noise Level	70 Decibels
Item Weight	34.47 kg
Dimensions (L x W x H)	63L x 21W x 52.5H Centimetres
Recommended Use	PCP air tank filling

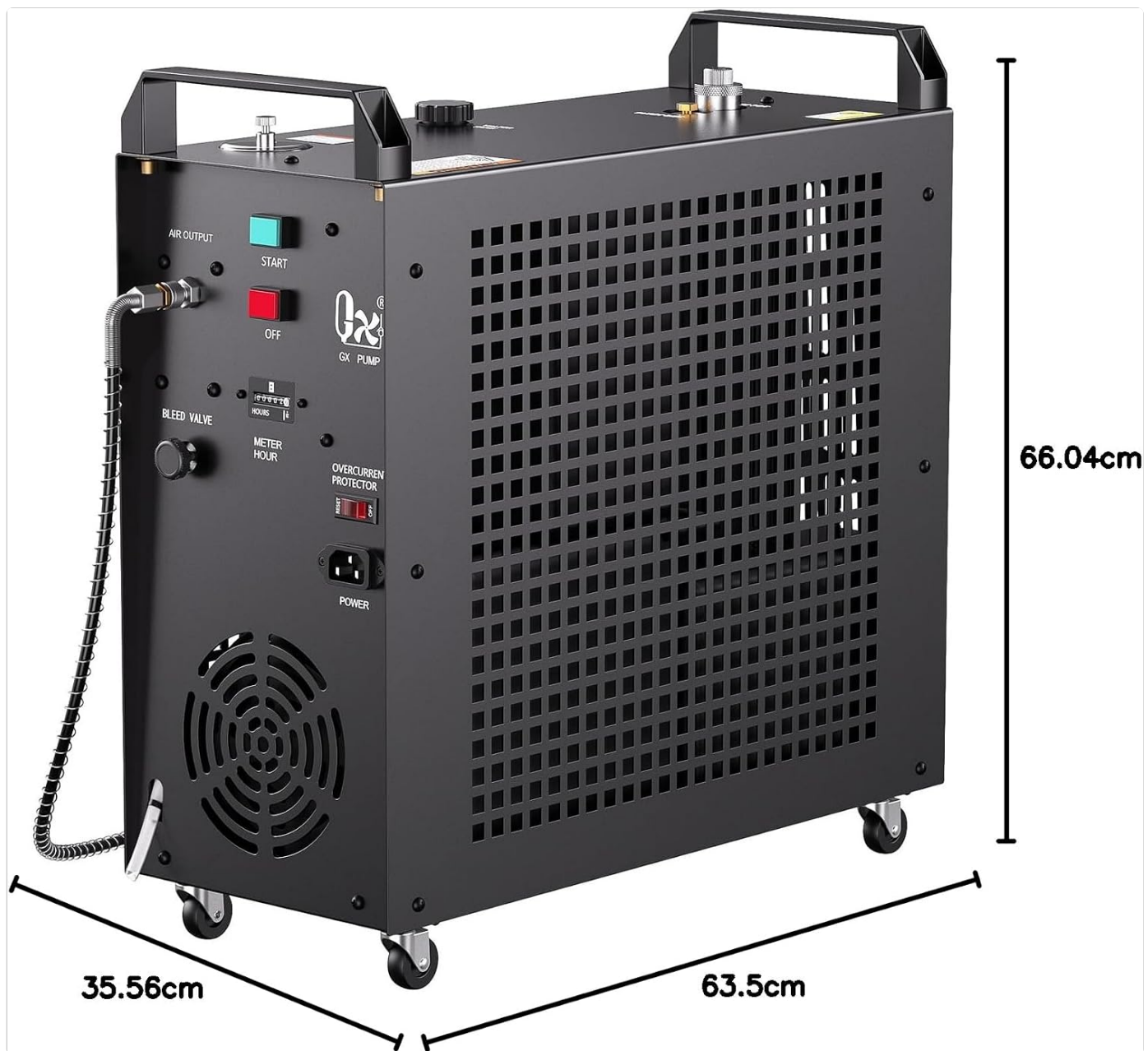


Figure 6.1.1: Dimensions of the GX-E-5K1 compressor.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Anbull (GX PUMP) provides a **12-month warranty** for this product. This warranty covers manufacturing defects and malfunctions under normal use. For warranty claims, please retain your proof of purchase.

7.2 Customer Support

For technical assistance, troubleshooting guidance, or warranty service, please contact Anbull customer support through your retailer or the official Anbull website. Provide your model number (GX-E-5K1) and a detailed description of the issue when seeking support.

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.

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Email

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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

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