

GEHPYYDS B0DNMDTP16

GEHPYYDS PCP Electric Air Compressor User Manual

Model: B0DNMDTP16

1. IMPORTANT SAFETY INFORMATION

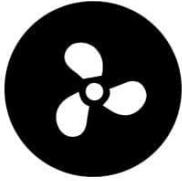
Read and understand all safety warnings and instructions before operating this air compressor. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage. Keep this manual for future reference.

- **High Pressure Hazard:** This compressor generates extremely high pressure (up to 4500 PSI / 300 Bar). Always ensure all connections are secure and rated for the pressure. Never point the air outlet at people or animals.
- **Electrical Safety:** Use only the specified power sources (110V/220V AC or 12V DC car battery). Ensure the power cord is undamaged. Do not operate in wet conditions or with wet hands.
- **Overheating:** Monitor the temperature display. If the temperature reaches 70°C (158°F), shut off the compressor and allow the cooling fan to run until the unit cools down. Prolonged operation at high temperatures can damage the unit.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent heat buildup.
- **Dry Air Only:** This compressor is designed for dry compressed air only. Do not use with flammable gases or liquids.
- **Children and Pets:** Keep children and pets away from the compressor during operation.
- **Maintenance:** Perform regular maintenance as described in this manual to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

The GEHPYYDS PCP Electric Air Compressor is a portable high-pressure pump designed for inflating PCP air rifles, paintball tanks, and other high-pressure air devices. It features an adjustable pressure gauge with auto-stop functionality, a built-in cooling fan, and an oil/water separator for clean, dry air output.

PCP AIR COMPRESSOR



Fan Cooling



Safety explosion-proof



Stable performance



Long Service Life



Figure 2.1: Front view of the GEHPYYDS PCP Electric Air Compressor highlighting its main benefits.

Key Features:

- **Automatic Shut-off:** Preset the desired pressure, and the compressor will automatically stop when reached.
- **Dual Power Capability:** Operates on 110V/220V AC (home socket) or 12V DC (car battery).
- **Integrated Cooling System:** Built-in fan for air cooling, eliminating the need for external water or oil cooling.
- **Oil/Water Separator:** Effectively filters moisture and oil from the air for clean output.
- **Portable Design:** Compact with a handgrip for easy transport and storage.
- **Temperature Monitoring:** LED display for monitoring internal temperature.

New Generation Portable PCP Air Compressor

— No Water and Oil Hassles/110V to 12V Power Converter Included (External)

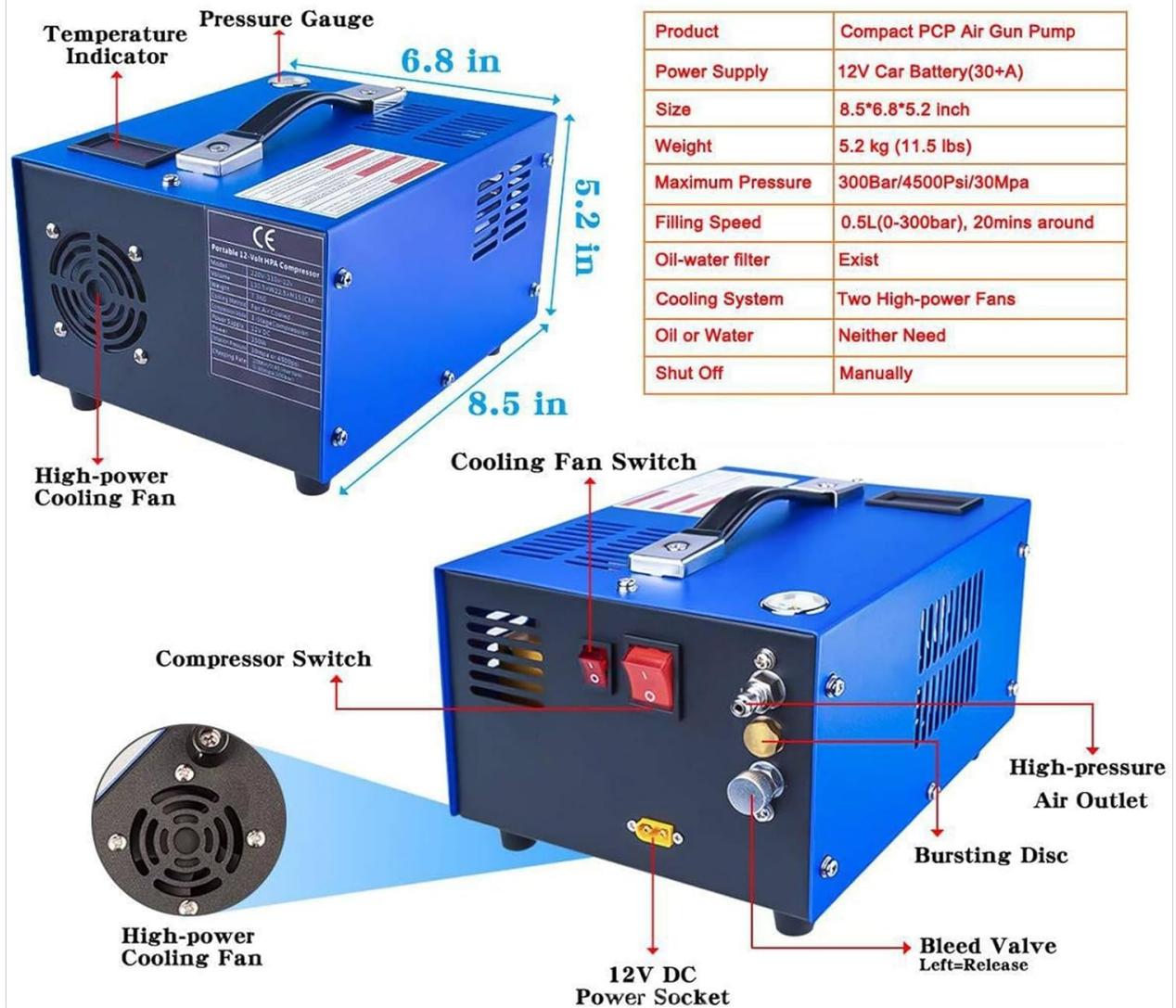


Figure 2.2: Detailed view of the compressor with labeled components and dimensions.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x PCP Air Compressor Unit
- 1 x Air Hose with 8mm Quick Connector
- 1 x DC 12V Cable for Car Battery Connection
- 1 x User Manual (this document)
- Accessories (O-rings, filters, etc.)

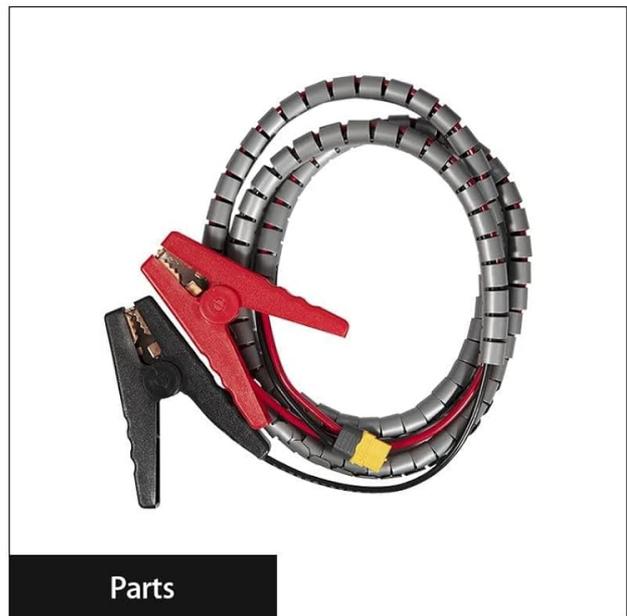


Figure 3.1: Contents of the product package.

4. SETUP

Follow these steps to set up your GEHPYYDS PCP Electric Air Compressor.

1. Choose Power Source:

- **For Home Use (AC Power):** Connect the compressor to a standard 110V/220V AC power outlet using the appropriate power cord (not explicitly listed in package contents but implied by 110V/220V power supply).
- **For Car Battery Use (DC Power):** Connect the provided DC 12V cable to the 12V DC power socket on the compressor and to your car battery terminals (red to positive, black to negative). Ensure a secure connection.

2. **Connect Air Hose:** Attach the 8mm quick connector of the air hose to the high-pressure air outlet on the compressor. Ensure it is firmly seated and locked.

3. **Prepare Device for Inflation:** Connect the other end of the air hose to the device you intend to inflate (PCP rifle, paintball tank, etc.). Ensure this connection is also secure.

4. **Check Bleed Valve:** Ensure the bleed valve (refer to Figure 2.2) is closed before starting the

compressor.

5. OPERATING INSTRUCTIONS

Operating the compressor involves setting the desired pressure, monitoring the unit, and safely inflating your device.

1. **Set Desired Pressure:** Use the adjustable pressure gauge to set the target pressure for your device. The compressor will automatically shut off once this pressure is reached.
2. **Turn On Cooling Fan:** Locate the cooling fan switch (refer to Figure 2.2) and turn it ON. The fan must run throughout the inflation process to prevent overheating.
3. **Start Compressor:** Turn on the main compressor switch (refer to Figure 2.2). The compressor will begin to build pressure.
4. **Monitor Temperature:** Continuously monitor the LED temperature display. If the temperature approaches 70°C (158°F), immediately turn off the compressor switch, but allow the cooling fan to continue running until the temperature drops.
5. **Automatic Shut-off:** The compressor will automatically stop once the preset pressure is achieved.
6. **Release Pressure:** After the compressor stops, slowly open the bleed valve to release any residual pressure in the hose. This is crucial before disconnecting the hose.
7. **Disconnect:** Once pressure is fully released, disconnect the air hose from your device and then from the compressor. Turn off the cooling fan and disconnect the power.

Air Compressor Portable 4500psi 30MPa



Figure 5.1: Close-up views of the compressor's controls and gauges.

Inflation Rate Example:

For a 0.5L (500cc) tank, inflation from 0 to 300 Bar (4500 PSI) takes approximately 25 minutes. Inflation from 200 Bar to 300 Bar takes approximately 5 minutes.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your compressor.

- **Filter System:** The compressor features a filter with replaceable drying medium and a dust filter. Regularly check and replace the drying medium and clean the dust filter to ensure clean, dry air output. Refer to the accessories for replacement parts.
- **General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris. Ensure cooling vents are not obstructed.
- **Storage:** Store the compressor in a cool, dry place away from direct sunlight and moisture.

7. TROUBLESHOOTING

If you encounter issues with your compressor, refer to the following common problems and solutions.

- **Compressor Does Not Turn On:**

- Check power connections to ensure they are secure and the power source is active.
- Verify the power switch is in the 'ON' position.
- If using 12V DC, ensure the car battery has sufficient charge.

- **Compressor Overheats (Temperature reaches 70°C):**

- Immediately turn off the compressor switch.
- Ensure the cooling fan is running. If not, check the fan switch.
- Allow the unit to cool down completely before resuming operation.
- Ensure adequate ventilation around the compressor.

- **Slow Inflation or Low Pressure Output:**

- Check all hose connections for leaks.
- Inspect the air hose for damage or kinks.
- Check the filter system; a clogged filter can restrict airflow.
- Ensure the bleed valve is fully closed.

- **Air Contains Moisture or Oil:**

- The oil/water separator's drying medium may need replacement.
- Ensure the activated carbon separator on the hose is functioning correctly.

For issues not covered here, please contact customer support.

8. SPECIFICATIONS

Specification	Value
Item Type	PCP Air Compressor
Pump Type	High pressure air (HPA) compressor, for dry compressed air only
Material	304 Stainless Steel, Brass
Power Supply	110V/220V AC, 12V DC
Maximum Power	300W
Maximum Inflation Pressure	300 BAR (4500 PSI, 30 MPa)
Maximum Inflation Capacity	0.5L (500cc)
Inflation Rate (0-300 BAR, 0.5L)	Approximately 25 minutes
Compression Limiter	User selected shutdown
Cooling System	Fan Air Cooling
Filter System	Filter with replaceable drying medium and dust filter
Air Hose Connector	8mm quick connector

Specification	Value
Package Dimensions	3.94 x 3.94 x 3.94 inches
Item Weight	16.5 pounds
Manufacturer	GEHPYYDS
ASIN	B0DNMDTP16
Date First Available	November 20, 2024

9. WARRANTY AND SUPPORT

This manual does not contain specific warranty information. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, your purchase receipt, or contact the manufacturer directly.

For any questions or assistance, please reach out to GEHPYYDS customer service.