TUXING TXET021

TUXING TXET021 4500Psi 300Bar PCP Electric High-Pressure Air Compressor User Manual

Model: TXET021 | Brand: TUXING

1. Introduction

Thank you for choosing the TUXING TXET021 4500Psi 300Bar PCP Electric High-Pressure Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your compressor. Please read this manual thoroughly before use and retain it for future reference.

1.1 Safety Warnings

- Always operate the compressor in a well-ventilated area to prevent overheating.
- Ensure all connections are secure before operating the compressor. High pressure can be dangerous if connections are loose.
- Do not exceed the maximum operating pressure of 300 Bar (4500 Psi).
- Regularly check the water filter and replace the filter cotton as needed to ensure clean air output and prevent damage to the compressor.
- Keep children and unauthorized personnel away from the compressor during operation.
- Disconnect power before performing any maintenance or cleaning.

2. Product Overview

The TUXING TXET021 is a portable, oil-free, and water-free high-pressure air compressor designed for filling PCP airguns, paintball tanks, and mini diving tanks. It features an integrated power supply for both AC110V household outlets and DC12V car batteries, offering versatile use.

2.1 Key Features

- **Automatic Stop Function:** The compressor automatically stops when the preset pressure is reached, preventing overfilling.
- **Oil-Free & Water-Free Operation:** Eliminates the need for external water cooling or oil lubrication, simplifying maintenance.

- **Dual Power Supply:** Operates on AC110V (household) or DC12V (car battery) for flexible use.
- **Integrated Cooling Fan System:** Ensures efficient heat dissipation and protects the motor during extended operation.
- **Portable Design:** Compact and lightweight with a sturdy handle for easy transport.
- **Built-in Water Filter:** Provides clean and dry air output.

2.2 Component Identification

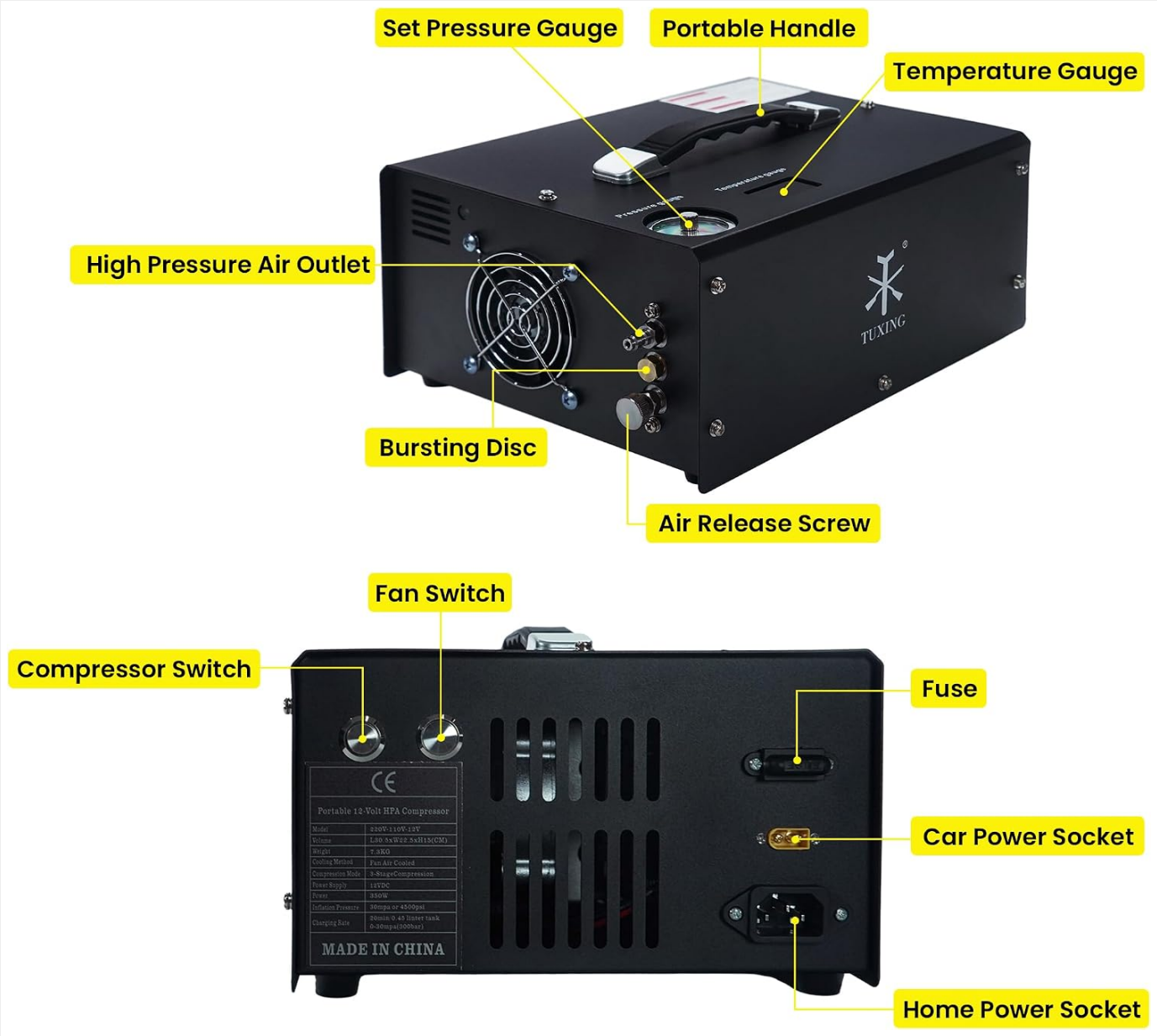


Figure 1: Front and Rear View of the Compressor with Labeled Components

Refer to Figure 1 for the location of the following components:

1. Set Pressure Gauge
2. Portable Handle
3. Temperature Gauge (LED Display)
4. High Pressure Air Outlet (8mm Quick Connect)
5. Bursting Disc (Safety Valve)
6. Air Release Screw
7. Fan Switch
8. Compressor Switch

9. Fuse
10. Car Power Socket (DC12V)
11. Home Power Socket (AC110V)



Figure 2: Compressor Features - Fan, Oil/Water Free, and Filter Details



Figure 3: Key Operational Features

3. Setup

Before operating the compressor, ensure it is placed on a stable, flat surface in a well-ventilated area.

3.1 Connecting the Power Supply

The TXET021 compressor can be powered by either a household AC110V outlet or a DC12V car battery.

- **For AC110V Household Use:** Connect the provided power cord to the Home Power Socket (11) on the compressor and then plug it into a standard AC110V wall outlet.
- **For DC12V Car Battery Use:** Connect the appropriate DC power cable (not always included, may require separate purchase or specific connection) to the Car Power Socket (10) on the compressor. Then, connect the other end to a 12V car battery, ensuring correct polarity.



Figure 4: Compressor Powered by AC110V Household Outlet

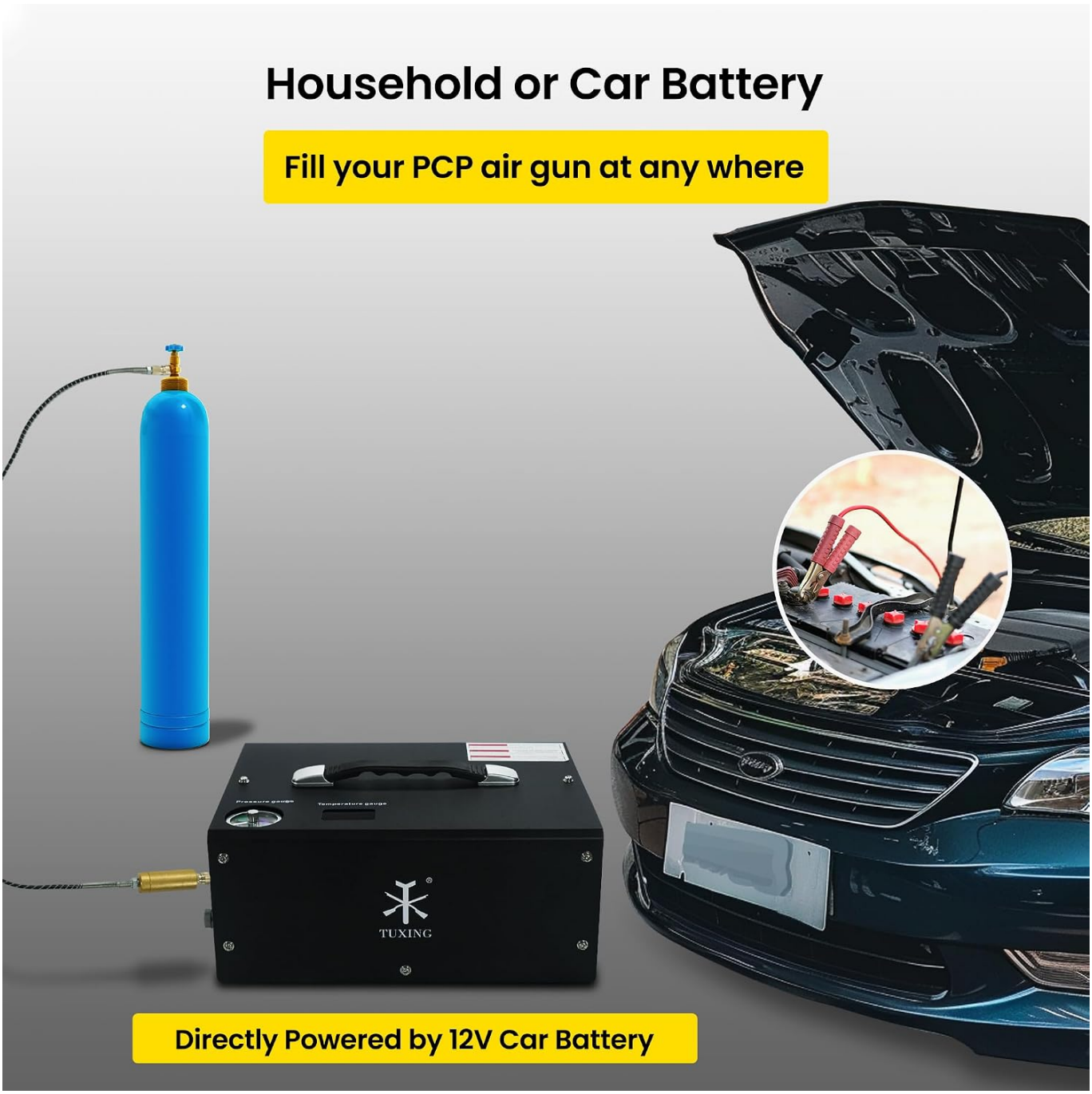


Figure 5: Compressor Powered by DC12V Car Battery

3.2 Connecting the High-Pressure Hose

1. Ensure the water filter is properly installed onto the high-pressure hose.
2. Connect one end of the high-pressure hose to the High Pressure Air Outlet (4) on the compressor using the 8mm quick connector.
3. Connect the other end of the hose to the air inlet of your PCP airgun, paintball tank, or diving tank. Ensure a secure connection to prevent air leaks.



Figure 6: High-Pressure Hose and Filter Connection

4. Operating Instructions

4.1 Pre-Operation Checklist

- Verify all connections are tight.
- Ensure the air release screw (6) is fully closed.
- Check the filter cotton in the water filter for cleanliness and proper installation.
- Confirm the target pressure for your device.

4.2 Starting the Compressor

1. Plug in the compressor to the chosen power source (AC110V or DC12V).
2. Set the desired shut-off pressure using the adjustable pressure setting (if available, otherwise monitor the gauge).
3. Turn on the Fan Switch (7) to activate the cooling fan.
4. Turn on the Compressor Switch (8). The compressor will begin to fill the connected tank.



Figure 7: Auto-Stop and Temperature Monitoring

4.3 Monitoring Operation

- Monitor the Set Pressure Gauge (1) to observe the current pressure.
- Monitor the Temperature Gauge (3) (LED display) to ensure the compressor does not overheat. The maximum recommended operating temperature is 85°C.
- The compressor will automatically stop once the preset pressure is reached.

4.4 After Operation

1. Turn off the Compressor Switch (8).
2. Turn off the Fan Switch (7).
3. Slowly open the Air Release Screw (6) to release any residual pressure in the hose.
4. Disconnect the high-pressure hose from your tank and then from the compressor.
5. Unplug the power cord from the power source.

Video 1: TUXING 4500Psi PCP Air Compressor Setup and Operation Guide

This video demonstrates the basic setup and operation of the TUXING 4500Psi PCP Air Compressor, including power connection and hose attachment. It shows the process of preparing the compressor for use and initiating the air filling process.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your TUXING compressor.

5.1 Filter Maintenance

- The compressor includes a built-in water filter. Regularly inspect the filter cotton for discoloration or moisture.
- Replace the filter cotton when it appears dirty or saturated to ensure clean and dry air output.
- Replacement filter cotton can be purchased from authorized TUXING dealers or the manufacturer.

5.2 General Cleaning and Storage

- Wipe the exterior of the compressor with a clean, dry cloth after each use.
- Store the compressor in a cool, dry place, away from direct sunlight and moisture.
- Ensure the compressor is completely depressurized before storage.

6. Troubleshooting

This section addresses common issues you might encounter with your compressor.

Problem	Possible Cause	Solution
Compressor does not start	No power supply / Loose connection / Blown fuse	Check power cord and outlet. Ensure switches are ON. Check and replace fuse (9) if necessary.
Air leaks from connections	Hose not securely connected / Damaged O-rings	Tighten all quick connections. Inspect and replace O-rings if worn or damaged.
Compressor overheats	Insufficient ventilation / Fan not running / Prolonged operation	Ensure adequate airflow around the compressor. Check if the Fan Switch (7) is ON. Allow the compressor to cool down before resuming operation.
Air output is wet or dirty	Filter cotton saturated or dirty	Replace the filter cotton in the water filter.
Compressor does not reach target pressure	Air leak / Incorrect pressure setting	Check for air leaks. Verify the pressure setting is correct.

7. Specifications

Technical specifications for the TUXING TXET021 High-Pressure Air Compressor:

Feature	Specification

Feature	Specification
Brand	TUXING
Model Number	TXET021
Maximum Pressure	300 Bar (4500 Psi)
Power Supply	AC110V (Household) / DC12V (Car Battery)
Maximum Power	300 Watts
Noise Level	78 Sone
Cooling System	Integrated Fan Cooling
Air Filtration	Built-in Water Filter
Item Weight	Approx. 9 kg (20 lbs)
Dimensions (L x W x H)	33 cm x 27 cm x 34 cm
Material	Iron
UPC / GTIN	770642670823

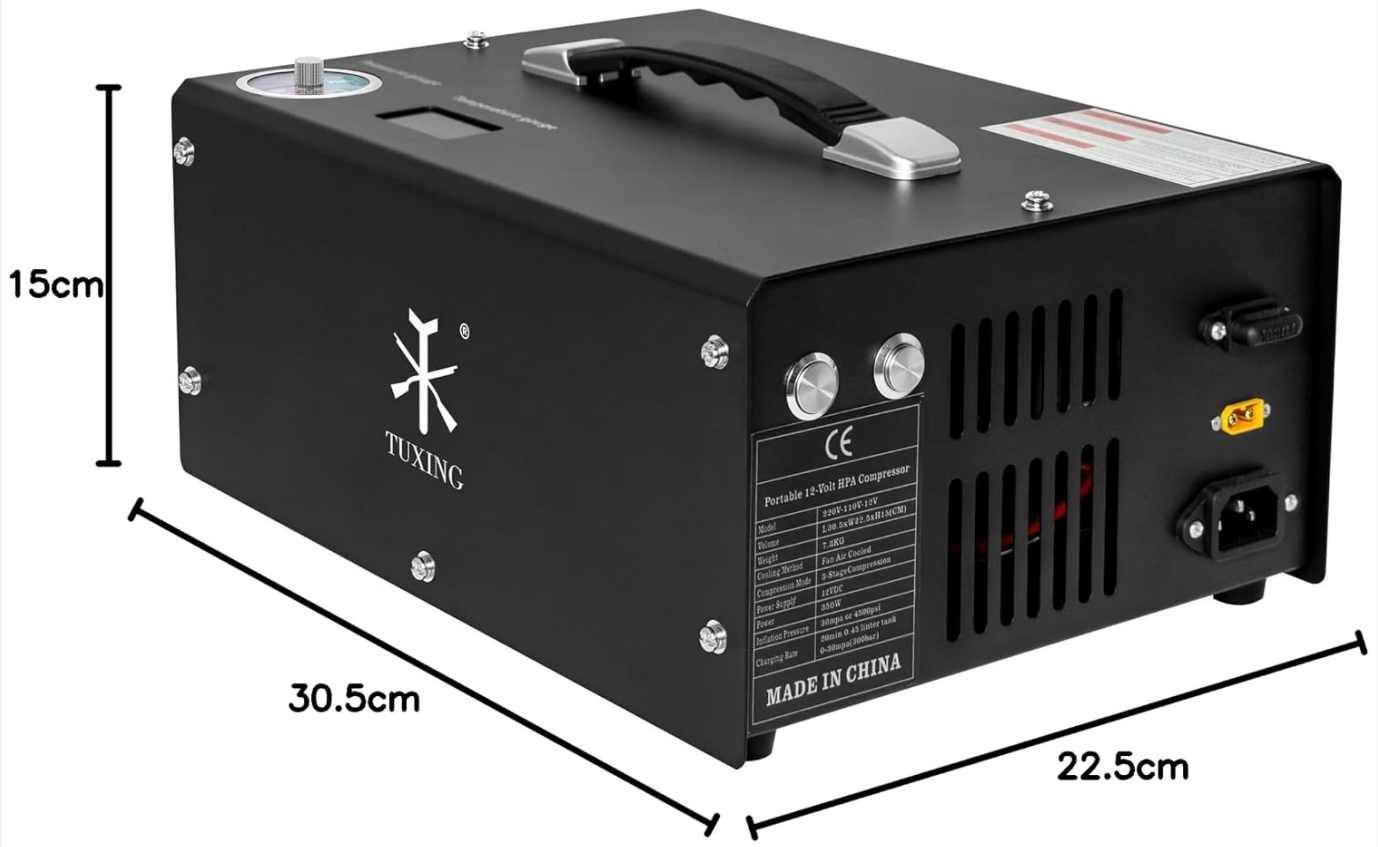


Figure 8: Compressor Dimensions

8. Warranty and Support

For warranty information, technical support, or replacement parts, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.
Manufacturer: Xiamen Subang Technology Co.,Ltd.

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

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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