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› [TUXING](#) /

› TUXING 4500Psi PCP Air Compressor User Manual

TUXING TXED011

TUXING 4500Psi PCP Air Compressor User Manual

Model: TXED011

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TUXING 4500Psi Double Cylinder PCP Air Compressor, Model TXED011. Designed for high-pressure air applications, this compressor is suitable for inflating PCP air rifles, paintball tanks, and scuba cylinders up to 300 Bar (4500 PSI). Please read this manual thoroughly before initial use to ensure proper setup, operation, and maintenance, and to prevent potential hazards.



Image: The TUXING 4500Psi PCP Air Compressor, Model TXED011, featuring its robust black frame and dual cylinder design.

IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions may result in serious injury, property damage, or compressor malfunction. Always prioritize safety when operating high-pressure equipment.

- **Temperature Monitoring:** The compressor's operating temperature should not exceed 85°C (185°F). Continuous operation should not exceed 45 minutes. Allow the unit to cool down between extended uses.
- **Oil Level and Breather Rod:** Before starting, always ensure the oil level is at the red dot indicator. Replace the oil cap with the breathing rod before operation to allow proper ventilation.
- **Cooling Water System:** An external water cooling system is mandatory for operation. Do not start the compressor without preparing and connecting the cooling water supply. Ensure adequate water flow throughout operation.
- **Hose and Filter Connections:** Verify that all connections, especially the blue filter and filling hose, are securely

assembled and free of leaks before pressurizing.

- **Silicone Oil Requirement:** Due to transportation restrictions, silicone oil is not included. Users must prepare and add appropriate silicone oil for lubrication before first use.
- **Maximum Pressure Limit:** The filling pressure must not exceed 300 Bar (4500 PSI / 30 MPa). Over-pressurization can lead to dangerous equipment failure.
- **Air Quality:** The compressor is equipped with a filter to ensure good air quality. Regularly check and replace filter elements as needed to prevent moisture or oil contamination in your tanks.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent heat buildup and ensure proper air intake.

PACKAGE CONTENTS

Upon unpacking, please verify that all the following components are included:

- TUXING 4500Psi PCP Air Compressor Unit (TXED011)
- Power Cord (110V)
- High-Pressure Filling Hose
- External Water Filter (Blue)
- Filter Cotton Elements (Multiple)
- 8mm Quick Connector
- Set of Sealing Rings/Gaskets
- Oil Breather Rod
- User Manual (This document)

Weight:28kg



Image: Overview of the TUXING Air Compressor unit with its dimensions (50cm H x 37cm W x 43cm D) and a display of included accessories such as the power cord, hose, filter, and various seals.

SETUP GUIDE

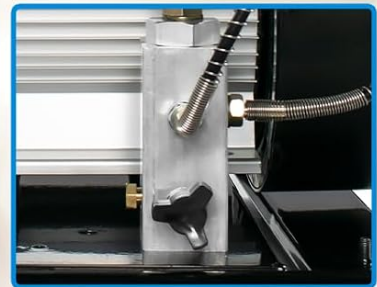
Follow these steps for the initial setup of your compressor:

1. **Unpack and Inspect:** Carefully remove the compressor and all accessories from the packaging. Inspect for any visible damage.
2. **Add Compressor Oil:** Locate the oil fill port. Remove the temporary oil cap and add appropriate silicone oil until the level reaches the red dot indicator. (Note: Silicone oil is not included and must be purchased separately).

3. **Install Breather Rod:** Replace the oil cap with the provided oil breather rod. This is crucial for proper ventilation during operation.
4. **Connect Water Cooling System:** Prepare an external bucket of clean water. Connect the water inlet and outlet hoses from the compressor to the water pump and the bucket, ensuring a closed-loop circulation for cooling.
5. **Attach Filter and Hose:** Connect the external blue filter to the compressor's output port. Then, attach the high-pressure filling hose to the filter. Ensure all connections are tight to prevent leaks.
6. **Power Connection:** Connect the compressor's power cord to a grounded 110V, 60Hz power outlet.

EXCELLENT DETAILS

2200W MOTOR



Oil water filter



Filter cotton



8mm quick connector

Image: Close-up view highlighting key components such as the oil-water filter, filter cotton, and 8mm quick connector, essential for proper setup and operation.

Once the compressor is set up, follow these steps for safe and effective operation:

1. Pre-Operation Checks:

- Confirm cooling water is circulating.
- Verify oil level is correct and breather rod is installed.
- Ensure all hose connections are secure and leak-free.
- Connect the filling hose to your tank/device securely.

2. Starting the Compressor: Turn on the power switch. The compressor will begin to operate.

3. Monitoring Pressure: Observe the accurate pressure gauge. The compressor features a manual shut-off for precise control. Monitor the pressure carefully and be prepared to stop the compressor once the desired pressure is reached.

4. Filling Process:

- For a 0.5-liter tank, filling from 0 to 300 Bar (4500 PSI) takes approximately 3 minutes.
- For a 6.8-liter tank, filling from 0 to 300 Bar (4500 PSI) takes approximately 45 minutes.

5. Stopping the Compressor: Once the target pressure is achieved, manually turn off the compressor using the power switch.

6. Bleeding Pressure: Slowly open the bleed valve on the filling hose to release residual pressure before disconnecting your tank.

HIGH PRESSURE COMPRESSOR



Working Pressure



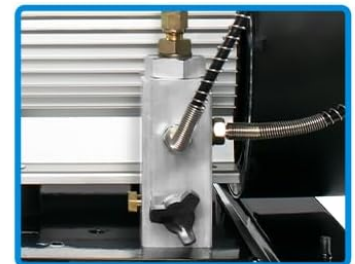
Inflation Rate



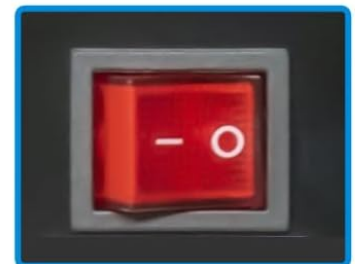
High Power



Accurate pressure gauge



Oil-water separator



Manual shutdown

Image: This image highlights the compressor's key operational features: 4500 PSI working pressure, 2800 RPM inflation rate, 2200W high power, an accurate pressure gauge, an oil-water separator, and the manual shutdown switch.

Fast Inflating

Double Cylinder Head With
Good Water Cooling Design

Approximate fill times:

- 0.5L tank from 0 to 4500psi/300Bar in **3** minutes
- 6.8L tank from 0 to 4500psi/300Bar in **45** minutes

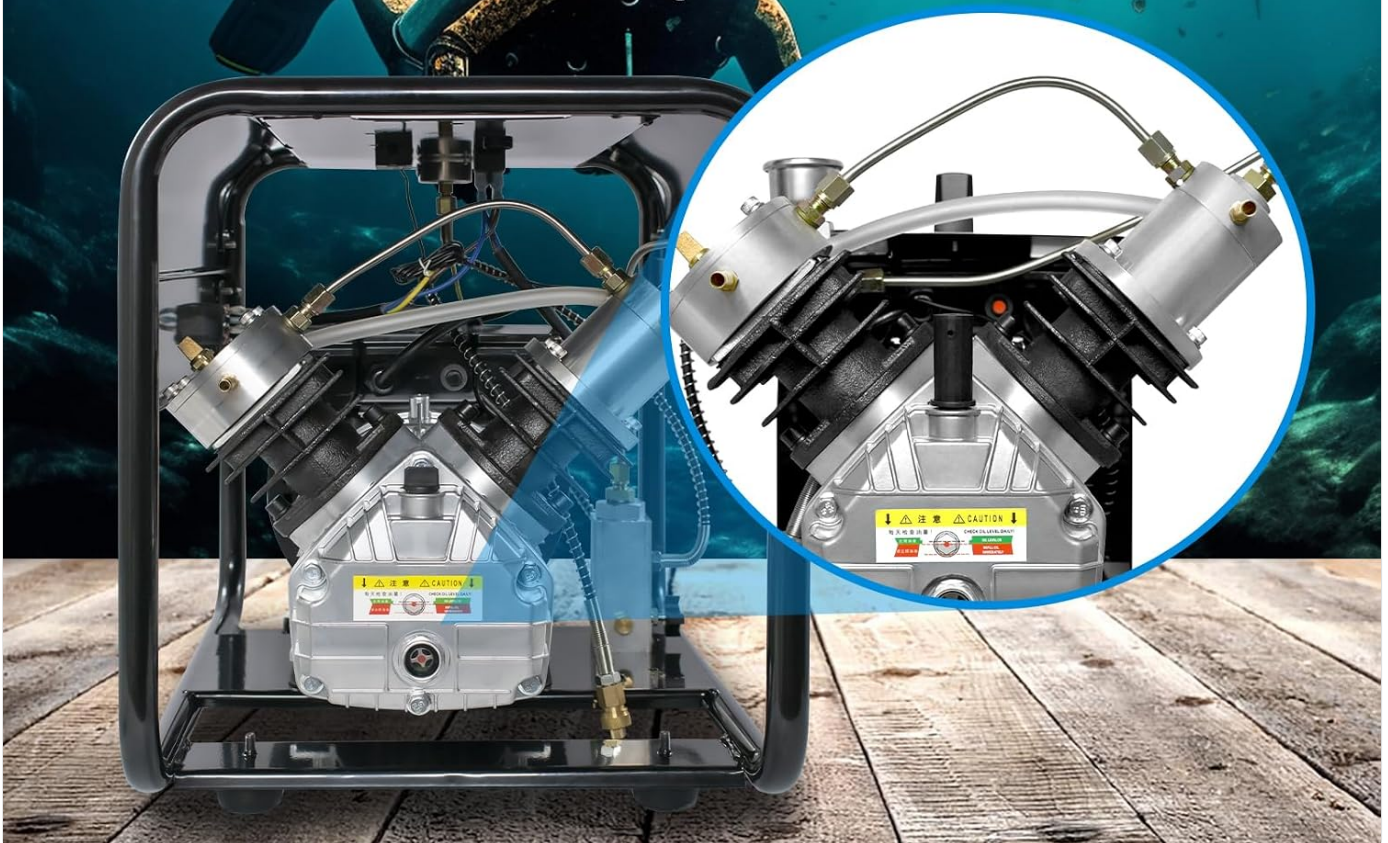


Image: Illustrates the fast inflating capability due to the double cylinder head with good water cooling design, showing approximate fill times for 0.5L and 6.8L tanks.

WATER AND FAN COOLING SYSTEM

Fast heat Dissipation



Air-cooled



Water-cooled



Working temperature
Range: 50-85°C

Image: Depicts the integrated water and fan cooling system, designed for fast heat dissipation, ensuring the compressor operates within the optimal working temperature range of 50-85°C.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your TUXING compressor.

- **Oil Checks and Changes:** Regularly check the compressor oil level. Change the oil according to the manufacturer's recommendations or after every 20-30 hours of operation to ensure proper lubrication and cooling.
- **Filter Replacement:** The air filter elements (filter cotton) should be inspected and replaced regularly, especially if you notice reduced air quality or increased filling times. This prevents moisture and contaminants from entering your tanks.
- **Cooling System Maintenance:** Periodically clean the external water bucket and ensure the water pump is free of

debris. Replace cooling water as needed to maintain its effectiveness.

- **General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris. Ensure cooling fins are not obstructed.
- **Storage:** When not in use, store the compressor in a dry, clean environment, protected from extreme temperatures and direct sunlight.

TROUBLESHOOTING

This section addresses common issues you might encounter with your compressor. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Compressor does not start.	No power, loose connection, power switch off, thermal overload.	Check power cord, ensure switch is ON, allow unit to cool if overheated.
Low pressure output or slow filling.	Air leaks in connections, clogged filter, worn piston rings.	Check all connections for leaks, replace filter elements, contact support for internal issues.
Excessive noise or vibration.	Loose components, unit not on a stable surface, internal mechanical issue.	Tighten visible fasteners, place on a flat surface, contact support if noise persists.
Oil or moisture in output air.	Filter needs replacement, incorrect oil type/level, oil-water separator issue.	Replace filter cotton, ensure correct oil type and level, check oil-water separator function.
Compressor overheats quickly.	Insufficient cooling water, blocked cooling fins, prolonged operation.	Ensure proper water circulation, clean cooling fins, adhere to operation time limits.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	TUXING
Model Name	TXED011
Voltage	110V (AC)
Frequency	60Hz
Power	2.2 kW (2200W)
Flow Rate	40 L/min

Specification	Value
Working Pressure	30 MPa / 300 Bar / 4500 PSI
Compression Type	Two-stage compression
Cooling System	Water-cooled and Fan-cooled
Noise Level	78 Sones
Item Weight	30 Kilograms (66 pounds)
Product Dimensions (L x W x H)	20.87" x 15.75" x 18.9" (53cm x 40cm x 48cm approx.)
Material	Iron
Hose Length	0.5 Meters
Recommended Uses	Tire Inflation, PCP Air Rifles, Paintball Tanks, Scuba Tanks

WARRANTY INFORMATION

The main part of your TUXING 4500Psi PCP Air Compressor (Model TXED011) comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper use, lack of maintenance, unauthorized modifications, or natural wear and tear.

CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims regarding your TUXING Air Compressor, please contact our customer support team. You can find more information and contact details on the official TUXING brand store:

Visit the TUXING Store on Amazon

When contacting support, please have your model number (TXED011) and purchase information ready to expedite assistance.

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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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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