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› TUXING 4500Psi Double Cylinder PCP Air Compressor (Model TXED011) User Manual

TUXING TXED011

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Brand: TUXING | Model: TXED011

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your TUXING TXED011 4500Psi Double Cylinder PCP Air Compressor. Please read this manual thoroughly before using the compressor to ensure proper function and to prevent injury or damage.

The TUXING TXED011 is a high-pressure air compressor designed for filling PCP air rifles, paintball tanks, and other high-pressure air equipment. It features a double-cylinder, two-stage compression system with both water and fan cooling for stable performance and efficient heat dissipation.



Front view of the TUXING TXED011 air compressor, showcasing its robust frame and dual cylinder design.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always inspect the outer packaging and the machine for any damage upon receipt.
- The compressor temperature must not exceed **85°C (185°F)**. Continuous running time should not exceed **45 minutes**. Allow the unit to cool down between cycles.
- Before operation, ensure the breathing rod is installed and the oil cap is replaced. Add oil to the level of the red dot on the dipstick.
- When connecting the filter and hose, verify that the blue filter and hose are correctly assembled and there are no

leaks.

- Due to transportation restrictions, silicone oil is not included. Users must prepare silicone oil separately for lubrication.
- The filling pressure must not exceed **300 Bar / 4500 PSI / 30 MPa**.
- **Never operate the machine without a properly set up external water cooling system.** Ensure cooling water is prepared in an external bucket before starting.
- Keep hands and loose clothing away from moving parts.
- Operate in a well-ventilated area.
- Do not modify the compressor in any way.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove the compressor from its packaging. Check all components against the packing list. Inspect the unit for any visible damage that may have occurred during shipping.

3.2 Adding Lubricating Oil

- Locate the oil filler cap and the breathing rod.
- Remove the oil filler cap and insert the breathing rod.
- Add appropriate silicone oil (not included) until the oil level reaches the red dot on the dipstick.
- Ensure the breathing rod is securely in place before operation.

3.3 Setting Up the Cooling System

The TXED011 requires an external water cooling system to operate safely. Prepare a bucket of clean water (approximately 10-15 liters) and connect the compressor's water inlet and outlet hoses to the bucket. Ensure the water pump is submerged and functioning correctly to circulate water through the compressor.

FAN COOLING SYSTEM

Fast heat Dissipation



Air-cooled



Water-cooled



**Working temperature
Range:50-85°C**

Side view of the compressor showing the integrated fan cooling system for efficient heat dissipation. This unit also requires an external water cooling system.

3.4 Connecting the Filling Hose and Filter

- Connect the filling hose to the compressor's output port.
- Ensure the inline filter (blue filter) is properly assembled with the filling hose to maintain air quality.
- Connect the other end of the filling hose to the tank or device you intend to fill.
- Verify all connections are tight and leak-free.

3.5 Power Connection

Connect the compressor to a standard 110V, 60Hz power outlet. Ensure the power source can handle the 2.2kW power requirement of the compressor.

4. OPERATING INSTRUCTIONS

4.1 Pre-Operation Checks

- Confirm oil level is correct.
- Verify water cooling system is active and circulating water.
- Ensure all hose connections are secure.
- Check that the tank to be filled is rated for the desired pressure and is securely connected.

4.2 Starting the Compressor

- Turn on the power switch. The compressor will begin to operate.
- Monitor the pressure gauge and the digital thermometer.

4.3 Filling Procedure and Monitoring

The compressor features a manual shut-off for precise control. Continuously monitor the pressure gauge. Once the desired pressure is reached (do not exceed 300 Bar / 4500 PSI), manually switch off the compressor.



Close-up of the compressor's double cylinder head, highlighting the water cooling design and approximate fill times for 0.5L and 6.8L tanks.

Approximate Fill Times:

- 0.5L tank from 0 to 300 Bar (4500 PSI): Approximately 3 minutes.
- 6.8L tank from 0 to 300 Bar (4500 PSI): Approximately 45 minutes.

During operation, ensure the compressor's temperature remains below 85°C. If the temperature approaches this limit, stop the compressor and allow it to cool down before resuming.

4.4 Shutting Down

- Once filling is complete, turn off the compressor's power switch.
- Slowly release any residual pressure in the hose before disconnecting.
- Disconnect the filling hose from the tank.

5. MAINTENANCE

5.1 Oil Level and Replacement

Regularly check the oil level before each use. Replace the silicone oil periodically, or if it appears discolored or contaminated. Refer to the red dot on the dipstick for the correct oil level.

5.2 Filter Replacement

The inline filter (blue filter) and filter cotton are crucial for maintaining air quality. Replace the filter cotton regularly, especially if you notice reduced airflow or moisture in the output air. Spare filter cotton is typically included.



Detailed view of the compressor's 2200W motor and included accessories like the oil-water filter, filter cotton, and 8mm quick connector.

5.3 Cooling System Maintenance

Keep the external water bucket clean and ensure the water pump is free from debris. Periodically flush the water cooling system to prevent buildup. Ensure the fan cooling system is clear of obstructions.

5.4 General Cleaning

Keep the exterior of the compressor clean and free of dust and dirt. Use a dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power, faulty switch, motor issue	Check power connection, ensure switch is ON. If problem persists, contact support.
Low pressure output	Leaking connections, clogged filter, low oil	Check all connections for leaks, replace filter cotton, check and add oil.
Compressor overheats	Insufficient water cooling, prolonged operation, blocked fan	Ensure water cooling is adequate, allow unit to cool, clear fan obstructions. Do not exceed 45 minutes continuous operation.
Excessive noise	Loose parts, worn components	Inspect for loose bolts or components. If noise is unusual, discontinue use and contact support.

7. SPECIFICATIONS

Feature	Specification
Brand	TUXING
Model Name	TXED011
Voltage	110 Volts (AC)
Power	2.2 Kilowatts (2200W)
Frequency	60Hz
Working Pressure	30 MPa / 300 Bar / 4500 PSI
Flow Rate	40 L/min (3.15 Cubic Meters Per Minute)
Cooling System	Water-cooled & Fan-cooled
Noise Level	85 Decibels
Item Weight	31 Kilograms (68.2 pounds)
Product Dimensions	20.47 x 15.75 x 18.9 inches
Material	Stainless Steel
Included Components	Hose
Hose Length	0.5 Meters
Batteries	2 LR44 batteries required (included for digital thermometer)

8. WARRANTY AND SUPPORT

The main parts of the TUXING TXED011 Air Compressor come with a**1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact TUXING customer service. You can visit the official TUXING Store on Amazon for more information and contact options: [TUXING Official Store](#).

9. PRODUCT VIDEOS

No official product videos from the seller were available in the provided data to embed in this manual.

ASK A QUESTION ABOUT THIS MANUAL

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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