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› TUXING PCP Air Compressor TXES061-1 User Manual

TUXING TXES061-1

TUXING PCP Air Compressor TXES061-1 User Manual

Model: TXES061-1

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your TUXING PCP Air Compressor Model TXES061-1. Please read this manual thoroughly before using the compressor to ensure proper function and to prevent injury or damage.



Image 1.1: TUXING PCP Air Compressor TXES061-1 with included accessories, including the main unit, filling hose with oil/water separator, and power cables.

2. SAFETY INFORMATION

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

- Always operate the compressor in a well-ventilated area.
- Do not leave the compressor unattended during operation.
- Ensure all connections are secure before starting the compressor. Leaks can cause rapid pressure loss and potential hazards.
- Monitor the pressure gauge and temperature display constantly. Do not exceed the maximum rated pressure of the tank being filled or the compressor's maximum operating pressure of 4500 PSI (30 MPa).
- Allow the compressor to cool down if the temperature exceeds 85°C. Excessive heat can damage the unit.
- Keep children and unauthorized persons away from the compressor during operation.
- Always wear appropriate eye protection when operating or maintaining the compressor.
- Disconnect power before performing any maintenance or repairs.
- This compressor is designed for filling air guns, paintball tanks, and HPA tanks. Do not use it for purposes other than its intended use.
- The recommended air cylinder volume for this compressor is no more than 1 liter.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x TUXING PCP Air Compressor (Main unit)
- 1x Home Power Line (for 110V AC operation)
- 1x Car Power Line (for 12V DC operation)
- 1x Oil/Water Separator
- 1x Filling Hose
- 1x Repair Kit (vulnerable parts, including spare O-rings and filters)
- 1x User Manual (this document)

31.5CM*31.8CM*24.5CM

TXES061 AIR COMPRESSOR

(Built-in Adapter)

7KG



- 1* Main compressor
- 1* AC power cord and DC car jumper
- 1* Filling hose with oil-water separator
- 1* Spare accessory bag
- 1* User Manual

Image 3.1: The TUXING TXES061-1 Air Compressor and its complete set of included accessories, such as power cables, filling hose, and repair kit.

4. PRODUCT OVERVIEW AND FEATURES

The TUXING PCP Air Compressor TXES061-1 is a portable, oil-free, and water-free air compressor designed for high-pressure air applications. It features dual power input options for versatility.

- **High Pressure Output:** Capable of delivering up to 4500 PSI (30 MPa).
- **Fast Inflation:** Fills a 0.5L tank from 0 to 300 bars in approximately 15 minutes, and from 200 bars to 300 bars in about 3 minutes.
- **Dual Power Modes:** Operates on 12V DC (car battery) or 110V AC (household outlet) via a built-in converter.
- **Compact and Portable:** Weighs approximately 7 kg (15.4 lbs) with dimensions of 8.98"L x 8.98"W x 4.8"H, making it easy to transport.
- **Oil/Water-Free Design:** Eliminates the need for oil and water cooling, simplifying maintenance.
- **Integrated Cooling Fan:** Ensures efficient heat dissipation during operation.
- **Precise Monitoring:** Equipped with a pressure gauge and LED temperature display.

EXCELLENT DETAILS



Image 4.1: Close-up view highlighting the compressor's precise pressure gauge, LED temperature display, and comfort handle, emphasizing its portable design.

4500PSI/300BAR PCP AIR COMPRESSOR



One-touch start



Built-in Adapter



Water/Oil Free



Fan cooling



**Fast
Inflation**

03
MINUTES

0.5L 200 to 300bar

06
MINUTES

0.5L 0 to 200bar

15
MINUTES

0.5L 0 to 300bar

Image 4.2: Visual representation of the compressor's 4500 PSI / 300 BAR capability, fast inflation times for a 0.5L tank, one-touch start, built-in adapter, and water/oil-free fan cooling.

5. SETUP

5.1 Power Connection

The compressor supports two power input methods:

- **110V AC (Home Use):** Connect the provided Home Power Line to the compressor's AC input port and then to a standard 110V AC wall outlet.
- **12V DC (Car Battery Use):** Connect the provided Car Power Line (alligator clips) to the compressor's DC input port. Connect the red clip to the positive (+) terminal of a 12V car battery and the black clip to the negative (-) terminal. Ensure a secure connection.

Important: Before connecting, verify the voltage adjustment button on the compressor is set to your local voltage (110V or 220V, if applicable to your model variant). The default setting is typically for your region, but always confirm.

MULTIPLE WORKING MODES

The voltage adjustment button allows you to select 110V or 220V.

Power by 12V DC



Power by 220V/110V AC



The default setting is your local voltage, Please check before inflating.

Image 5.1: Illustration of the compressor being powered by a 12V DC car battery and a 110V AC home outlet, demonstrating its versatile power options.

5.2 Hose and Oil/Water Separator Connection

1. Attach the oil/water separator to the compressor's output port. Ensure it is securely tightened.
2. Connect the filling hose to the oil/water separator.
3. Connect the other end of the filling hose to the tank or device you intend to fill. Ensure all connections are tight to prevent air leaks. It is recommended to use thread tape on connections for a better seal.



Image 5.2: The TUXING PCP Air Compressor with the filling hose and oil/water separator properly connected, ready for operation.



Image 5.3: The compressor connected to an air tank, illustrating a typical setup for filling.

6. OPERATING INSTRUCTIONS

The TUXING TXES061-1 features a simplified one-button start for ease of use.

1. **Prepare Connections:** Ensure the compressor is properly connected to a power source and the tank to be filled, as described in Section 5.
2. **Start Compressor:** Press the red power button on the front panel to start the compressor. The internal fan will also begin operating simultaneously to aid cooling.
3. **Monitor Pressure and Temperature:** Continuously observe the pressure gauge and the LED temperature display. Do not exceed the maximum pressure rating of your tank or the compressor (4500 PSI / 30 MPa). If the temperature approaches 85°C, turn off the compressor and allow it to cool.
4. **Manual Shut-off:** This model features a manual shut-off. Once the desired pressure is reached, immediately press the red power button to turn off the compressor. Do not walk away from the unit during operation.
5. **Bleed Air:** After turning off the compressor, slowly open the bleed valve to release residual pressure from the hose before disconnecting the filling hose from the tank.
6. **Disconnect:** Once pressure is fully released, disconnect the filling hose from the tank and then from the

compressor.

FILL YOUR PCP ANYWHERE



NEW UPGRADE



Built-in adapter, remove cumbersome connections!
The fan starts to rotate as the motor starts, improved durability.

Image 6.1: Close-up of the compressor's control panel, highlighting the simplified one-button start mechanism for user convenience.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your TUXING PCP Air Compressor.

- **Oil/Water Separator:** Regularly check and drain any accumulated moisture from the oil/water separator. This prevents moisture from entering your air tank.
- **Filter Cartridges:** Replace the filter cartridges in the oil/water separator periodically, especially if you notice reduced performance or increased moisture. Refer to the repair kit for spare parts.
- **General Cleaning:** Keep the exterior of the compressor clean and free from dust and debris. Ensure the cooling fan vents are unobstructed for proper airflow.
- **Hose Inspection:** Periodically inspect the filling hose and all connections for signs of wear, damage, or leaks. Replace any damaged components immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power supply; Loose power connection; Blown fuse	Check power cable connection; Ensure power outlet is functional; Check and replace fuse if necessary.
Air leaks from connections	Loose fittings; Damaged O-rings or seals; Insufficient thread tape	Tighten all connections; Replace O-rings/seals from the repair kit; Apply thread tape to threaded connections.
Compressor overheats (temperature exceeds 85°C)	Blocked air vents; Prolonged operation; High ambient temperature	Ensure vents are clear; Turn off compressor and allow to cool completely; Operate in a cooler environment.
Slow inflation or low pressure output	Air leaks; Clogged filter; Worn compressor components	Check for and seal leaks; Replace filter cartridges; Contact customer support if problem persists.
Excessive moisture in air tank	Oil/water separator not drained; Saturated filter cartridge	Regularly drain the oil/water separator; Replace filter cartridges.

9. SPECIFICATIONS

Feature	Specification
Model	TXES061-1
Brand	TUXING
Maximum Operating Pressure	4500 PSI (30 MPa / 300 Bars)
Power Source	12V DC or 110V AC (with built-in converter)
Maximum Power	250 Watts
Noise Level	85 dB
Item Weight	7 kg (15.4 lbs)
Product Dimensions (L x W x H)	8.98" x 8.98" x 4.8"
Recommended Tank Capacity	Up to 1 Liter
Material	Iron
Special Feature	AC & DC Adaptable, Oil/Water-Free

10. WARRANTY AND SUPPORT

TUXING is committed to providing quality products and customer satisfaction. If you encounter any issues or have questions regarding your PCP Air Compressor, please contact our customer support team.

- **Customer Support:** Our professional after-sales service team is available to assist you.

- **Contact:** Please refer to your purchase documentation or the TUXING official website for specific contact information (email, phone).

For more information and product updates, visit the [TUXING Store on Amazon](#).

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