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TUXING TXES064

TUXING TXES064 PCP Air Compressor User Manual

LCD Display Version Auto-Stop 4500Psi/30Mpa, Oil/Water-Free

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your TUXING TXES064 PCP Air Compressor. Designed for convenience and high performance, this compressor features an LCD display, auto-stop function, and is oil/water-free, making it ideal for filling PCP air rifles, airguns, and paintball tanks. Please read this manual thoroughly before initial use to ensure proper setup and operation.

Product Overview

The TUXING TXES064 is a portable, high-pressure air compressor engineered for ease of use and reliability. Key features include:

- **LCD Display:** Allows for visual monitoring of temperature and pressure, and enables presetting of desired pressure values.
- **Auto-Stop Function:** Automatically shuts off the compressor once the preset pressure is reached, preventing overfilling.
- **Oil/Water-Free Operation:** Eliminates the need for external oil or circulating cooling water, simplifying setup and maintenance.
- **Built-in Transformer/Drain System:** Integrated power converter for direct connection to home outlets and an efficient drain system.
- **Dual Power Capability:** Can be powered by a 12V car battery for outdoor use or a 110V/220V AC home socket.
- **Built-in Fan Cooling:** Features internal fans for effective heat dissipation during operation.



Figure 1: TUXING TXES064 PCP Air Compressor and included accessories.

HOUSEHOLD OR CAR BATTERY

FILL YOUR PCP AIR GUN AT ANY WHERE



POWERED BY AC 110V/220V WALL OUTLET AT HOME

Figure 2: Top view of the compressor highlighting the LCD display and control buttons.

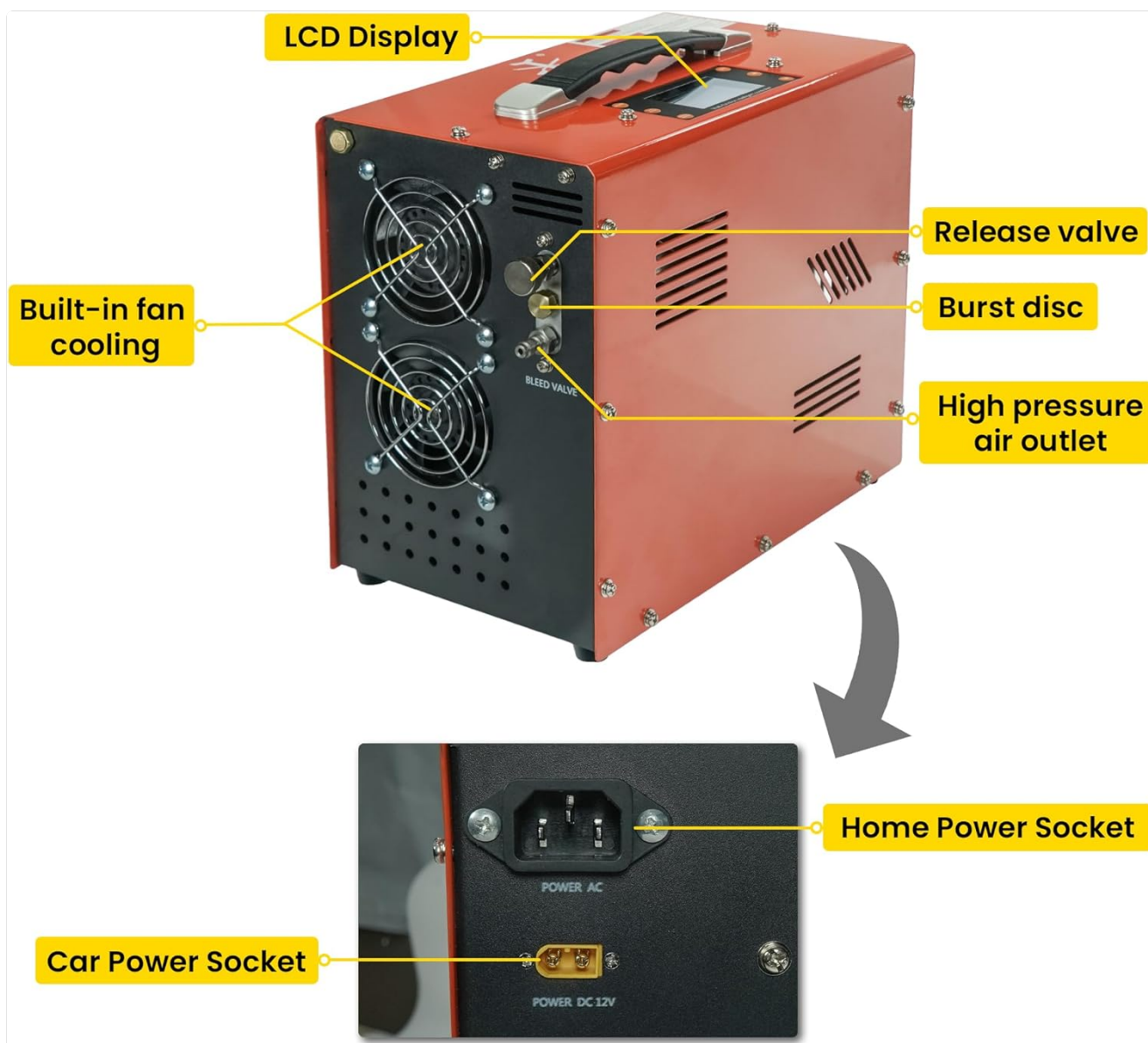


Figure 3: Rear view of the compressor showing built-in fan cooling, release valve, burst disc, high pressure air outlet, home power socket, and car power socket.

Video 1: An overview of the TUXING TXES064 PCP Air Compressor, demonstrating its features and various connection points.

2. SAFETY INFORMATION

Always prioritize safety when operating the compressor. Failure to follow these guidelines may result in serious injury or damage to the equipment.

- **DO NOT OVERFILL:** Never exceed the maximum pressure rating of your air gun tank or air cylinder. Overfilling can cause serious injury or death due to explosion. Always set the auto-stop pressure below or at the maximum rated pressure of your tank (e.g., 30 MPa / 300 Bar for a 300 Bar tank).
- **DO NOT DISASSEMBLE:** Do not attempt to disassemble or modify the compressor without professional guidance. Unauthorized disassembly may lead to malfunction and will void the warranty.
- **Temperature Monitoring:** Continuously monitor the temperature displayed on the LCD. If the temperature reaches 70°C (158°F), immediately shut off the compressor and allow the cooling fan to run until the temperature drops.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent heat buildup.
- **Stable Surface:** Place the compressor on a stable, flat surface during operation.

- **Children and Pets:** Keep children and pets away from the compressor during operation.
- **Power Source:** Ensure the power source (AC outlet or 12V car battery) matches the compressor's requirements and is stable.
- **Bleed Valve:** Always open the bleed valve to release pressure before disconnecting the fill whip from your equipment.

3. SETUP

Follow these steps to prepare your compressor for use:

1. **Unpack:** Carefully remove the compressor and all accessories from the packaging.
2. **Placement:** Place the compressor on a flat, stable, and well-ventilated surface.
3. **Connect Fill Whip:** Attach the high-pressure fill whip to the compressor's high-pressure air outlet. Ensure a secure connection.
4. **Connect to Equipment:** Connect the other end of the fill whip to your PCP air rifle, airgun, or paintball tank.
5. **Power Connection:** Choose your power source:
 - **For Home Use (AC 110V/220V):** Plug the power cord into the compressor's "POWER AC" socket and then into a suitable wall outlet.
 - **For Car Battery Use (DC 12V):** Connect the included battery clamps to the compressor's "POWER DC 12V" terminals (red to positive, black to negative) and then to your car battery. Ensure the vehicle engine is running to prevent battery drain.
6. **Open Bleed Screw:** Locate the bleed valve (often labeled "BLEED VALVE") and ensure it is fully open before starting the compressor. This allows initial air to escape and prevents pressure buildup during startup.



Figure 4: Compressor powered by a standard household AC outlet.



Figure 5: Compressor powered by a 12V car battery for portable use.

4. OPERATING INSTRUCTIONS

Once setup is complete, follow these steps to operate your compressor:

1. **Set Desired Pressure:** Use the "SET" button and arrow keys on the LCD display to set your target pressure. Ensure this value does not exceed the maximum safe working pressure of your tank.
2. **Turn on Fan:** Press the "FAN ON/OFF" button to activate the cooling fan. The fan should always be running during compressor operation.
3. **Start Compressor:** Press the "MOTOR ON/OFF" button to start the compressor.
4. **Close Bleed Screw:** Once the compressor starts, immediately close the bleed valve to begin pressurizing your tank.
5. **Monitor Progress:** Observe the working pressure and temperature on the LCD display. The compressor will automatically stop when the preset pressure is reached.
6. **Temperature Management:** If the temperature approaches 70°C (158°F) before reaching the target pressure,

turn off the compressor motor and allow the fan to run until the temperature drops. Then, you can resume filling.

7. **After Filling:** Once the tank is filled and the compressor has stopped, turn off the compressor motor.
8. **Open Bleed Screw:** Slowly open the bleed valve to release any residual pressure in the fill whip.
9. **Disconnect:** Once pressure is fully released, disconnect the fill whip from your equipment.
10. **Turn off Fan:** Turn off the cooling fan after it has run for a few minutes to cool down the unit completely.



Figure 6: The compressor is suitable for various applications including PCP air rifles, paintball guns, and small diving tanks.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your TUXING TXES064 compressor.

- **Cooling:** Always ensure the cooling fan is running during operation and for a few minutes after to dissipate heat. Overheating is a primary cause of compressor failure.
- **Oil/Water-Free Design:** This compressor is designed to be oil and water-free, eliminating the need for lubrication or external water cooling systems.

- **Filter Replacement:** The compressor includes a built-in water filter. Regularly check and replace the filter elements as needed to ensure clean, dry air output. Spare filter elements are typically included.
- **Storage:** Store the compressor in a dry, clean environment away from direct sunlight and extreme temperatures.
- **Cleaning:** Wipe down the exterior of the compressor with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Compressor does not start.	No power, loose connection, blown fuse.	Check power cable connection. Ensure AC outlet or 12V battery connection is secure. Check for a blown fuse and replace if necessary.
Compressor runs but does not fill tank or fills slowly.	Bleed valve open, loose hose connection, tank seals not seated (for new PCP tanks).	Ensure bleed valve is fully closed. Check all hose connections for leaks. For new PCP tanks, a shop compressor may be needed to initially seat seals before using the PCP compressor.
Compressor overheats quickly.	Insufficient cooling, prolonged operation, high ambient temperature.	Ensure cooling fan is running. Operate in a well-ventilated area. Allow the compressor to cool down if temperature reaches 70°C (158°F). Avoid continuous long runs; use in shorter cycles if needed.
Compressor stops unexpectedly.	Over-pressure auto-stop, overheating, power interruption.	Check if preset pressure was reached. Check temperature on LCD. Verify stable power supply.

7. SPECIFICATIONS

Detailed technical specifications for the TUXING TXES064 PCP Air Compressor:

Specification	Value
Model Name	TXES064
Brand	TUXING
Maximum Pressure	4500 Psi / 30 Mpa / 300 Bar
Power Source	Corded Electric (AC 110V/220V) / 12V DC Car Battery
Maximum Power	350 Watts
Inflating Rate	2700 R/min
Noise Level	80 dB
Maximum Tank Capacity	0.4 Gallons / 1.5 Liters
Dimensions (L x W x H)	11.5" x 6.5" x 10"
Item Weight	19.58 pounds (8.9 Kilograms)
Material	Iron
Color	Black
Country of Origin	China



Figure 7: Product dimensions of the TUXING TXES064 compressor.

8. CUSTOMER SUPPORT

For any questions regarding your TUXING TXES064 PCP Air Compressor, please contact our customer support team. We offer 24/7 online service to assist you with purchase inquiries or operational issues. Our professional team is dedicated to providing prompt and helpful responses.

For support, please visit the TUXING Official Store or contact us via email as provided in your product packaging.