

TUXING TXEDT032

TUXING 4500Psi PCP Air Compressor Instruction Manual

Model: TXEDT032

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your TUXING 4500Psi PCP Air Compressor. This high-pressure electric pump is designed for filling airgun tanks, paintball markers, diving cylinders, and other high-pressure devices, featuring a built-in water and fan cooling system and a two-stage filtration system for clean, dry air.

2. SAFETY INFORMATION

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

- Always operate the compressor in a well-ventilated area to prevent overheating and accumulation of fumes.
- Ensure all connections are secure before operation to prevent leaks of high-pressure air.
- Do not exceed the maximum rated pressure of the compressor (4500 PSI / 310 BAR) or the device being filled.
- Regularly check the water cooling system and oil levels as specified in the maintenance section.
- Keep children and unauthorized personnel away from the compressor during operation.
- Wear appropriate personal protective equipment (PPE), such as safety glasses, during operation.
- Never attempt to modify the compressor or its components. Use only genuine TUXING replacement parts.
- Disconnect power before performing any maintenance or inspection.
- Be aware of hot surfaces during and after operation.
- Ensure the pressure relief valve is functioning correctly.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- TUXING 4500Psi PCP Air Compressor (Model TXEDT032)
- Power Cord
- Water Pump

- User Manual (this document)
- Accessory Kit (may include spare filters, O-rings, and connection hoses)

4. SETUP

Follow these steps to prepare your compressor for first use:

1. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area, away from flammable materials.
2. **Cooling System Setup:**
 - Ensure the built-in water tank is filled with appropriate coolant (e.g., 50/50 coolant mix or distilled water).
 - Verify all water cooling lines are securely connected and free from kinks.
3. **Oil Level Check:** Check the oil level using the oil level line/sight glass. Add compressor oil if necessary (Royal Purple compressor oil is recommended by some users).
4. **Filtration System:** Ensure the two-stage filtration system components (cotton core filter, mixed filter with carbon/molecular sieves) are correctly installed.
5. **Power Connection:** Connect the power cord to a suitable electrical outlet (110 volts).
6. **Hose Connections:** Connect the high-pressure hose to the air outlet of the compressor and to the device you intend to fill. Ensure all fittings are tight, using Dowty seals where applicable.
7. **Temperature Sensor:** Verify the temperature probe is correctly inserted into its port, typically in the high-pressure cylinder head.

weight: 40kg

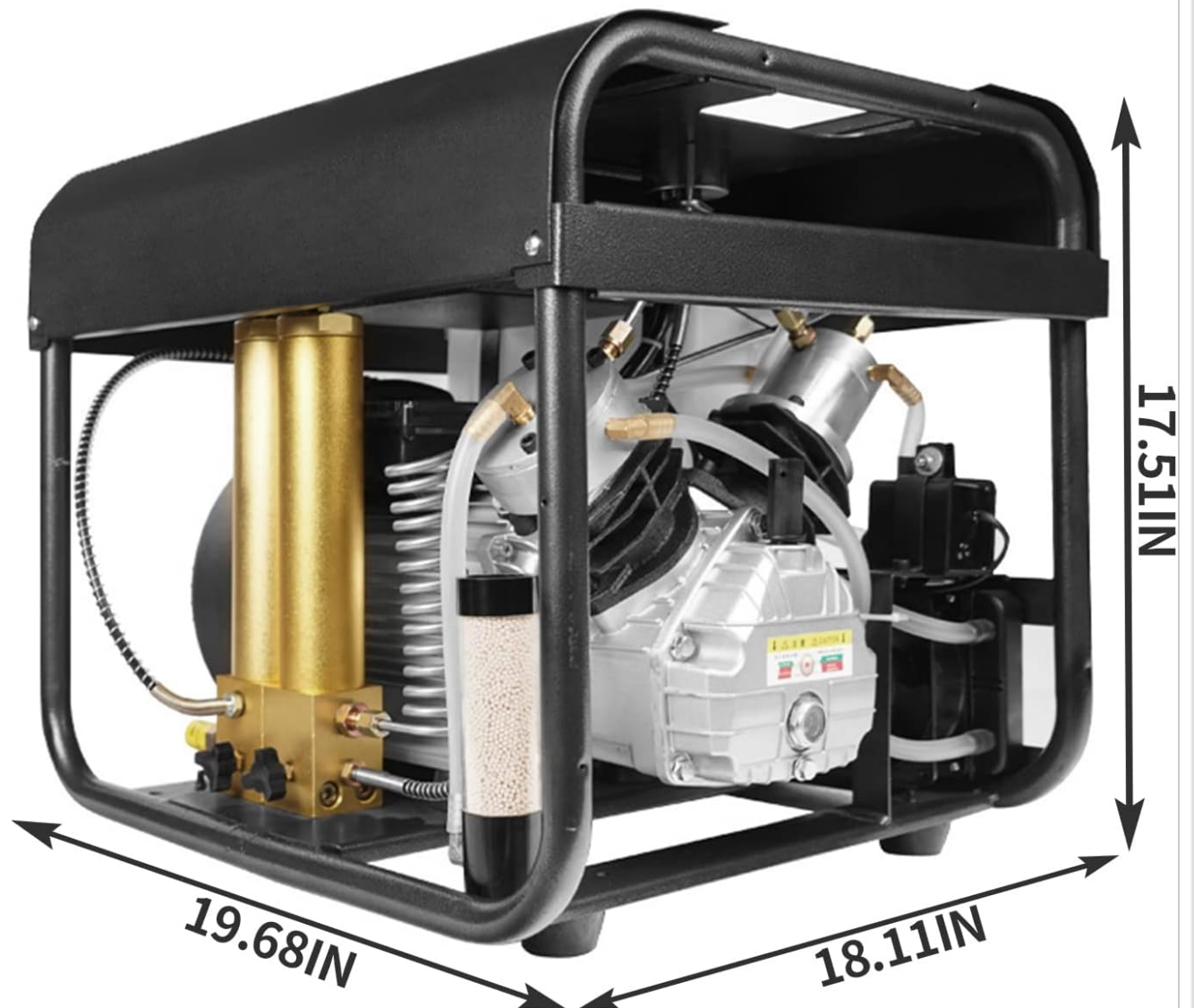


Image: Overview of the compressor's control panel and key components, including the overload reset button, cooling system switch, power switch, pressure gauge, temperature gauge, double filters, molecular sieve filtration system, and oil level line.

HIGH PRESSURE PERFORMANCE

4500



PSI

Working Pressure

2800R



MIN

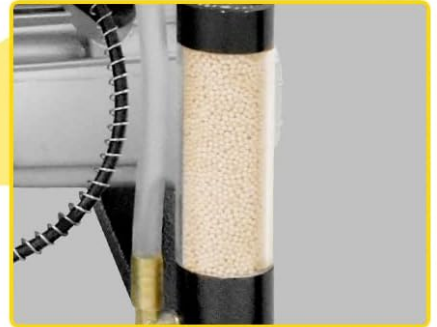
Inflation Rate

2200

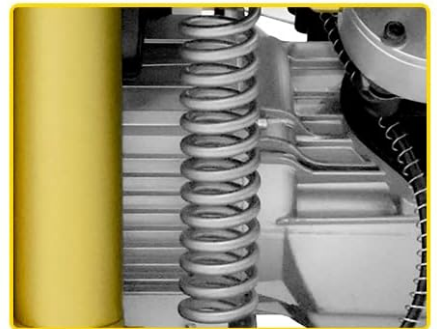


W

High Power



molecular sieve intake
filtration system



Fast heat dissipation

Image: Detailed view of the built-in water cooling system, highlighting the 5L water tank and water pump for efficient heat dissipation.

WIDE APPLICATION



PCP RIFLE



PAINTBALL GUN



SCUBA DIVING

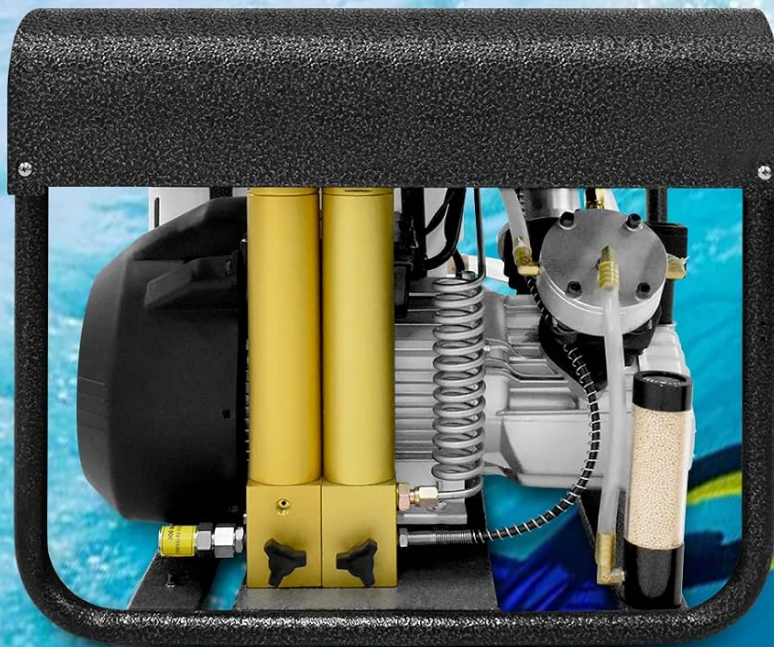


Image: Illustration of the fan cooling system, showing the three fans that contribute to fast heat dissipation.

BUILT-IN-WATER COOLING SYSTEM

Fast Heat Dissipation

**BUILT-IN 5L WATER TANK
AND WATER PUMP**



Image: Diagram illustrating the dual filtration system, including the mix air inlet, safety valve, four-stage purification, air outlet, and water/oil outlet.

Your browser does not support the video tag.

Video: Official TUXING video demonstrating the TXEDT032 PCP air compressor, including setup and operational aspects.

5. OPERATING INSTRUCTIONS

Before operating, ensure all setup steps are completed and safety precautions are understood.

1. **Initial Break-in Run:** For the first use, run the compressor without a load (not connected to a tank) for 30 minutes to allow components to settle. Monitor for any unusual noises or leaks.
2. **Connect Device:** Securely connect the high-pressure hose to the tank or device you wish to fill.
3. **Set Pressure:** If your model has an adjustable pressure setting, set it to the desired pressure, ensuring it does not exceed the maximum pressure rating of your tank or the compressor (4500 PSI / 310 BAR).
4. **Start Compressor:** Turn on the power switch. Then, activate the cooling system switch.

5. Monitor Operation:

- Continuously monitor the pressure gauge and temperature gauge during operation.
- The compressor features an auto shut-off function when the set pressure is reached.
- The built-in water and fan cooling systems will work to maintain optimal operating temperature.

6. **Stop Compressor:** Once the desired pressure is reached or if any issues arise, turn off the power switch and then the cooling system switch.

7. **Bleed Air:** Slowly open the bleed valve on the high-pressure hose to release residual pressure before disconnecting the hose from your device.

8. **Disconnect:** Disconnect the hose from your device.



Image: The compressor is suitable for various applications including PCP rifles, paintball guns, and scuba diving tanks.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your compressor.

- **Oil Change:** Change the compressor oil after the initial break-in period and then every 20-30 hours of operation, or as recommended by the oil manufacturer. Use high-pressure compressor oil.
- **Filter Replacement:** Regularly inspect and replace the cotton core filter and the mixed filter (carbon, molecular sieves) to ensure clean, dry air output. Frequency depends on usage and environmental conditions.
- **Coolant Check:** Periodically check the coolant level in the built-in water tank and replenish as needed. Replace coolant annually or if it appears discolored.
- **Drain Moisture:** After each use, drain any accumulated moisture from the water/oil separators using the designated drain

knobs.

- **Inspect Hoses and Fittings:** Before each use, inspect all hoses, connections, and seals for wear, damage, or leaks. Replace any compromised components immediately.
- **Clean Exterior:** Keep the exterior of the compressor clean and free of dust and debris to ensure proper airflow for the fan cooling system.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Compressor does not start	No power, tripped circuit breaker, faulty switch.	Check power connection, reset circuit breaker, inspect switches.
Air leaks from connections	Loose fittings, worn O-rings or seals.	Tighten all fittings. Replace damaged O-rings or Dowty seals.
Compressor overheats	Insufficient coolant, blocked airflow, prolonged operation.	Check coolant level, ensure proper ventilation, allow compressor to cool down.
Auto shut-off not working	Pressure sensor malfunction, control unit issue.	Manually monitor pressure and shut off. Contact support for sensor/control unit inspection.
Water/oil in air output	Filtration system saturated, moisture not drained.	Replace filters, regularly drain moisture from separators.

8. SPECIFICATIONS

Feature	Detail
Brand	TUXING
Model Number	TXEDT032
Working Pressure	310 BAR / 30 MPA / 4500 PSI
Inflation Rate	2800 r/min
Air Flow	50 L/min
Power Source	AC (110 volts)
Maximum Power	2.2 KW
Noise Level	85 dB
Cooling System	Built-in Water and Fan Cooling
Filtration System	Two-stage (molecular sieve intake, cotton core, mixed filter)
Material Type	Stainless Steel

Feature	Detail
Item Weight	35 kg
Dimensions (L x W x H)	22.44"L x 19.68"W x 20.86"H

FAN COOLING SYSTEM

Fast heat Dissipation



**Built-in Fan
Cooling System**

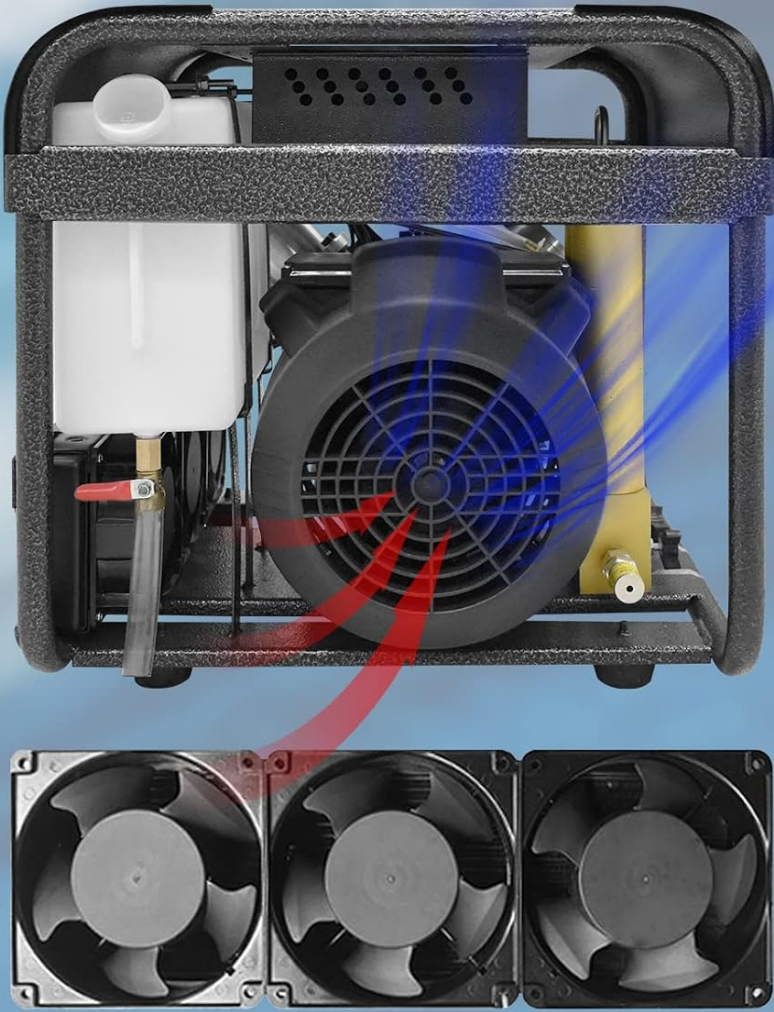


**Fast Heat
Dissipation**



**Extra Three
Fan Air Cooled**

THREE FAN



*Image: Visual representation of key performance metrics: 4500 PSI working pressure, 2800 R/MIN inflation rate, and 2200 W high power.
Also shows the molecular sieve intake filtration system.*



Image: Diagram showing the dimensions (19.68 inches width, 18.11 inches depth, 17.51 inches height) and weight (40 kg) of the compressor. Note: JSON states 35kg, image states 40kg. Using JSON value in table.

9. WARRANTY AND SUPPORT

The main parts of the TUXING 4500Psi PCP Air Compressor come with a **1-year warranty** from the manufacturer, Xiamen Subang Technology Co.,Ltd.

For technical support, warranty claims, or inquiries regarding parts, please contact the TUXING Official Store where you purchased the product. It is recommended to retain your proof of purchase for warranty purposes.

For additional information or to explore other TUXING products, you may visit the official TUXING Store on Amazon: [TUXING Store](#)

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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