

TUXING TXES021

TUXING PCP Air Compressor User Manual

Model: TXES021

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your TUXING PCP Air Compressor. This model features a superior heat dissipation function, super fast inflation speed, and a dual cooling system (fan and water circulation) to ensure longevity and performance. It is equipped with a manual shut-off mechanism for precise pressure control.

The TUXING brand is dedicated to providing reliable outdoor products for hunting and diving activities.

2. SAFETY INFORMATION

Important Safety Precautions:

- Always ensure the compressor temperature does not exceed 85°C. The running time should not exceed 45 minutes continuously.
- Before operation, always replace the oil cap with the breathing rod and ensure the oil level is at the red dot. Do not overfill.
- When connecting the filter and hose, please make sure they are properly assembled and there is no leakage.
- The compressor does not come with silicone oil due to transportation restrictions. Users must prepare silicone oil (recommended: 5W-40) themselves.
- The filling pressure must not exceed 300 Bar / 4500 PSI / 30 MPA.
- Ensure the water bucket for cooling is at the same level as the compressor for optimal water flow and cooling effect.

FAN COOLING SYSTEM

Fast heat Dissipation



Air-cooled



Water-cooled



Working temperature
Range:50-85°C

Image: TUXING PCP Air Compressor highlighting the dual cooling system (air-cooled and water-cooled) and working temperature range of 50-85°C.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following accessories are included:

- TUXING PCP Air Compressor Unit
- Pressure Release Valve Screw
- Instruction Manual
- Hose with Female Connector
- Oil-Water Filter
- Spare Sealing O-rings
- Water Pipe (for cooling system)
- Power Cord
- Submersible Water Pump

- Test Plug



Image: Main view of the TUXING PCP Air Compressor unit.

4. SETUP INSTRUCTIONS

Follow these steps for initial setup:

1. **Prepare the Compressor:** Remove the red sealing cover from the oil fill port. This cover is for transportation only.
2. **Install Crankcase Breather:** Locate the crankcase breather in the accessory pack and thread it into the oil fill port.
3. **Add Compressor Oil:** Add recommended compressor oil (5W-40) up to the red indicator dot visible in the oil level window. Do not overfill.

4. **Install Pressure Release Valve Screw:** Install the pressure release valve screw into its designated port on the compressor.
5. **Connect Hose:** Install the high-pressure hose. Ensure the gasket inside the connector is properly seated and tighten it with a wrench to prevent air leakage.
6. **Assemble Oil-Water Filter:**
 - Disconnect the soft hose and female connector from the filter.
 - Open the filter housing and insert the moisture absorber cotton.
 - Place one seal disc inside the female connector.
 - Reconnect the filter components, ensuring a black O-ring is inside, and fasten securely with a wrench.
7. **Set up Water Cooling System:**
 - Connect the water nozzle to the submersible water pump.
 - Connect one end of the water pipe to the water nozzle on the pump.
 - Connect the other end of this water pipe to the water inlet in the compressor head.
 - Place the water pump into a water bucket filled with sufficient water.
 - Take the second water pipe and connect it to the water outlet in the compressor head. Place the other end of this pipe into the water bucket. Ensure the water bucket is at the same level as the compressor for optimal water flow.
8. **Connect Power:** Connect the power cord to the compressor and then to a suitable power outlet (110V or 220V, depending on your model). Connect the water pump's power line.
9. **Verify Water Flow:** Turn on the water pump. If the water flow is normal (water circulating from the compressor back into the bucket), the cooling system is correctly installed.

Your browser does not support the video tag.

Video: Detailed setup guide for the TUXING PCP Air Compressor, covering oil filling, hose connections, and water cooling system installation.

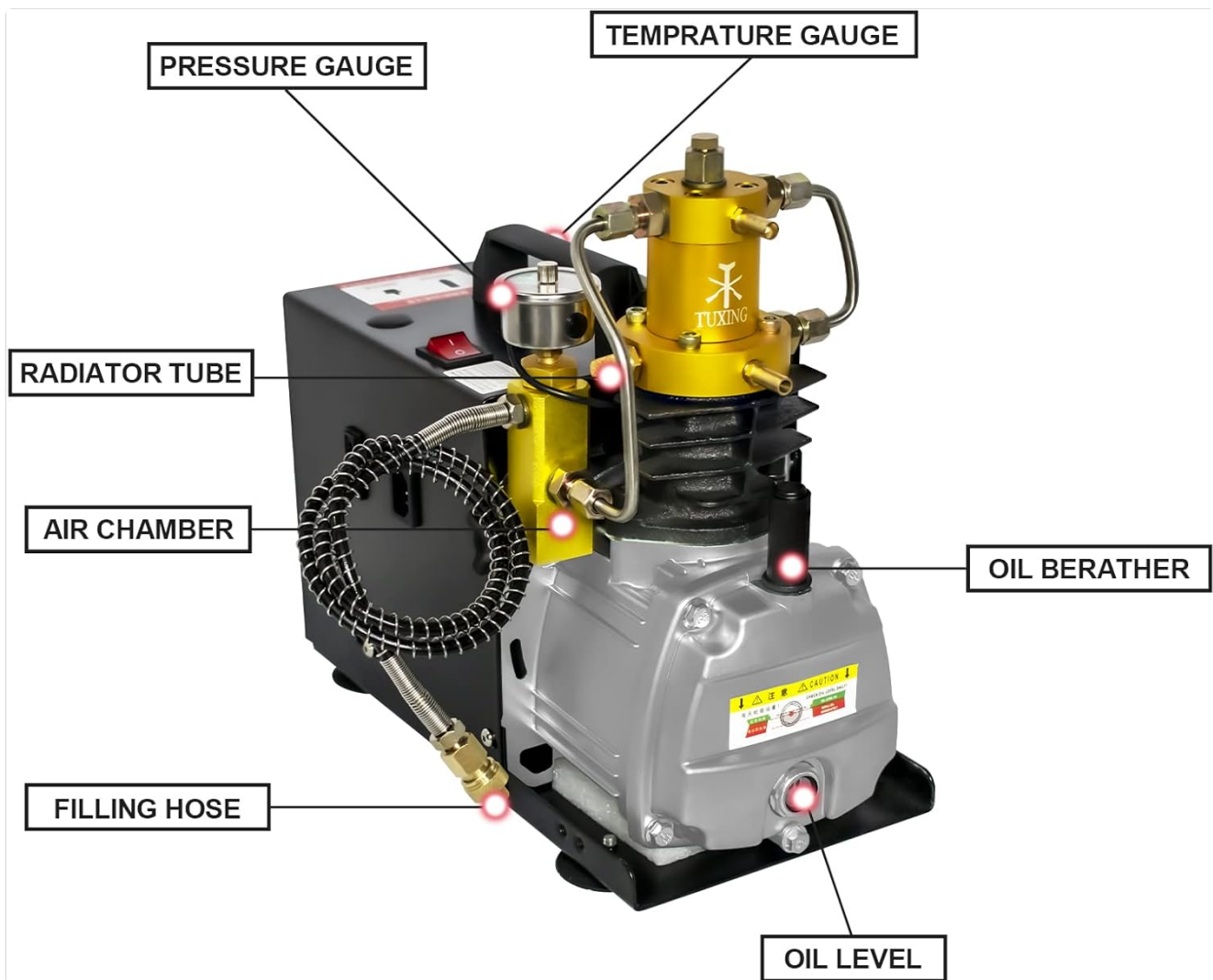


Image: Diagram showing key components of the TUXING PCP Air Compressor, including pressure gauge, temperature gauge, radiator tube, air chamber, oil breather, filling hose, and oil level indicator.

5. OPERATING INSTRUCTIONS

To operate your TUXING PCP Air Compressor:

1. Initial Test (without air bottle):

- Connect the test plug to the high-pressure hose.
- Tighten the pressure release valve screw.
- Turn on the compressor. Observe the pressure gauge. The air pressure should rise as expected.
- Once the pressure reaches 4500 PSI, turn off the compressor switch.
- Open the pressure release valve screw to release the air.

2. Charging an Air Bottle:

- Connect the high-pressure hose to your 0.5L air bottle.
- Ensure the pressure release valve screw is tightened.
- Turn on the compressor. Monitor the pressure gauge on your air bottle.
- For a 0.5L air bottle, it typically takes about 5 minutes to fill from 0 to 4500 PSI.
- Once the desired pressure is reached, turn off the compressor switch.
- Slowly turn on the manual bleed knob valve screw to release the air from the compressor system before disconnecting the air bottle.

HIGH PRESSURE PERFORMANCE

4500



PSI

Working Pressure

2800R



MIN

Inflation Rate

1800R



W

High Power



Turn off machine when required pressure reaches



Release valve

Image: TUXING PCP Air Compressor showcasing high pressure performance (4500 PSI working pressure, 2800R/min inflation rate, 1800W high power) and manual shut-off feature.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your compressor:

- **Check Oil Level Daily:** Regularly inspect the oil level through the oil level window. Refill immediately if the level drops below the red indicator dot.
- **Oil-Water Filter Maintenance:** Periodically open the oil-water filter to check and replace the moisture absorber cotton as needed to ensure clean air output.
- **Cooling System:** Ensure the water cooling system is always functioning correctly with adequate water in the bucket and proper circulation.
- **Cleanliness:** Keep the compressor clean and free from dust and debris to prevent overheating and ensure proper operation.

OIL-WATER SEPARATOR

Provide you with clean air



Image: TUXING PCP Air Compressor highlighting the oil-water separator for providing clean air by filtering impurities.

7. TROUBLESHOOTING

If you encounter issues with your TUXING PCP Air Compressor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Compressor not turning on.	No power, faulty switch, or internal issue.	Check power connections, ensure switch is in 'ON' position. If problem persists, contact customer support.
Air pressure not rising.	Pressure release valve open, hose not tightened, or internal leak.	Ensure pressure release valve is fully closed. Check all hose connections for tightness. Inspect for any audible air leaks.

Problem	Possible Cause	Solution
Overheating during operation.	Insufficient cooling water, blocked water pipes, or prolonged operation.	Ensure water bucket has enough water and is level with the compressor. Check water pipes for kinks or blockages. Do not exceed 45 minutes of continuous operation.
Oil level drops quickly.	Leakage or normal consumption.	Check for visible oil leaks. Refill oil to the red indicator dot. If consumption is excessive, contact support.

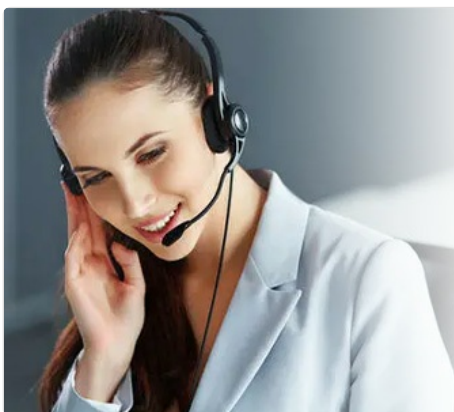
8. SPECIFICATIONS

- **Brand:** TUXING
- **Model Name:** TXES021
- **Working Pressure:** 4500 PSI / 300 Bar / 30 MPA
- **Power Source:** Corded Electric
- **Voltage:** 220 Volts (Note: Some models may support 110V, verify your specific unit)
- **Maximum Power:** 1800 Watts
- **Motor Horsepower:** 1.8 Kilowatts
- **Noise Level:** 75 dB
- **Item Weight:** 18 Kilograms (approx. 39.6 pounds)
- **Product Dimensions:** 15.75 x 9.45 x 17.72 inches
- **Material:** Stainless Steel
- **Special Feature:** Quick Inflation
- **Cooling System:** Dual (Water/Fan)

9. WARRANTY & SUPPORT

Warranty: Main parts of the TUXING PCP Air Compressor come with a 1-year warranty from the date of purchase.

Customer Support: For any questions regarding purchase or use, please feel free to contact TUXING Official Store via email. Our professional team will reply as soon as possible to provide considerate customer service.



24/7 VIP Customer Support

- 1 7*24 hours online service.
- 2 If you have any questions about purchase or use , please just feel free to contact us via Email. Our professional team will reply you as soon as possible.
- 3 You will get considerate customer service , a cost-effective and high-quality products , so please place order now !

Image: TUXING customer support information, emphasizing 24/7 online service and professional assistance.

