

## TUXING TXED012

# TUXING TXED012 PCP Air Compressor User Manual

Model: TXED012

## 1. SAFETY INFORMATION

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Read all safety warnings and instructions carefully before operating this air compressor. Failure to follow these warnings and instructions may result in electric shock, fire, serious injury, or property damage.

- Always wear appropriate personal protective equipment, including eye protection, when operating the compressor.
- Ensure the compressor is placed on a stable, level surface in a well-ventilated area.
- Do not operate the compressor in wet or damp conditions, or near flammable liquids or gases.
- Never direct compressed air at yourself or others.
- Always disconnect the power supply before performing any maintenance or repairs.
- Do not modify the compressor or its components. Use only original replacement parts.
- Keep children and unauthorized persons away from the operating compressor.
- Regularly inspect hoses, fittings, and connections for wear or damage. Replace any damaged parts immediately.
- Ensure proper water cooling is maintained during operation to prevent overheating.

## 2. PRODUCT OVERVIEW

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The TUXING TXED012 is a high-pressure PCP air compressor designed for fast and efficient filling of various air tanks, including scuba tanks, airguns, and paintball tanks. It features an auto shut-off function, double cylinder design, and a robust cooling system.

TUXING

# HIGH PRESSURE COMPRESSOR

30MPA/300BAR/4500PSI



Water-cooling



Fan-cooling



Fast Filling



Overload protection



Adjustable pressure gauge



Automatic shutdown

TXED012



PCP AIR RIFLE



PAINTBALL GUN



SCUBA DIVING



FIRE FIGHTING



**Figure 2.1:** TUXING TXED012 Compressor Overview. This image highlights the water-cooling, fan-cooling, fast filling, overload protection, adjustable pressure gauge, and automatic shutdown features of the TXED012 model, along with its wide applications for PCP air rifles, paintball guns, scuba diving, and fire fighting.

# WIDELY APPLICATION



PCP RIFLE



PAINTBALL GUN



SCUBA DIVING



Figure 2.2: Wide Application of the TXED012 Compressor. The compressor is shown in context with its uses for PCP rifles, paintball guns, and scuba diving, demonstrating its versatility.

# HIGH PRESSURE COMPRESSOR

4500  
PSI

Working Pressure

2800R  
MIN

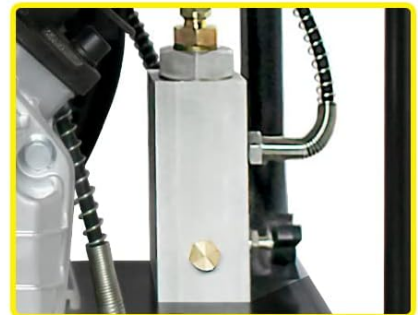
Inflation Rate

1800  
W

High Power



Adjustable pressure



Oil-water separator

**Figure 2.3:** High-Pressure Compressor Details. This image displays the working pressure (4500 PSI), inflation rate (2800R/MIN), and high power (1800W) capabilities. It also shows the adjustable pressure gauge and the oil-water separator component.

# Double Cylinder Head With Good Water Cooling Design Approximate fill times

- 0.5L tank from 0 to 4500psi in 3 minutes
- 6.8L tank from 0 to 4500psi in 45 minutes



**Figure 2.4:** Double Cylinder Head with Water Cooling. This close-up shows the double cylinder design, emphasizing the water cooling system. It also provides approximate fill times: 0.5L tank from 0 to 4500psi in 3 minutes, and 6.8L tank from 0 to 4500psi in 45 minutes.

# FAN COOLING SYSTEM

Fast heat Dissipation



**Figure 2.5:** Fan Cooling System. This image illustrates the compressor's cooling system, which includes both air-cooled and water-cooled components for fast heat dissipation, operating within a temperature range of 50-85°C.

# OIL-WATER SEPARATOR

Provide you with clean air



**Figure 2.6:** Oil-Water Separator. This component is crucial for providing clean air by filtering impurities and separating oil and water from the compressed air.

## 3. SETUP INSTRUCTIONS

Before operating the TUXING TXED012 compressor, ensure all components are correctly assembled and connected.

### 3.1 Unpacking and Inspection

- Carefully remove the compressor and all accessories from the packaging.
- Inspect for any signs of damage during transit. Contact customer support if any damage is found.
- Verify all included components are present: 1x PCP Air Compressor, power cord, water pump, water hose, filter elements, O-rings, and gaskets.



**Figure 3.1:** Compressor and Included Accessories. This image displays the main compressor unit along with the power cord, water pump, water hose, filter, and various seals and gaskets.

### 3.2 Water Cooling System Setup

The compressor requires a water cooling system for optimal performance and longevity.

1. Connect the provided water hoses to the inlet and outlet ports of the compressor's cooling system.
2. Place the water pump into a container filled with clean water (e.g., a bucket). Ensure the pump is fully submerged.
3. Connect the water pump to its power source. The water pump should be running before the compressor is started.

### 3.3 Air Hose Connection

1. Connect the high-pressure air hose to the compressor's output port.
2. Attach the other end of the high-pressure air hose to the tank or device you intend to fill. Ensure all connections are secure and leak-free.

### 3.4 Power Connection

- Ensure the compressor's power switch is in the 'OFF' position.
- Connect the power cord to the compressor and then to a grounded 110V/60Hz electrical outlet.

## 4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your TUXING TXED012 PCP Air Compressor.

## 4.1 Pre-Operation Checklist

- Confirm all hose connections are tight.
- Ensure the water cooling system is active and circulating water.
- Verify the power cord is securely connected to a proper power source.
- Check the oil level in the compressor (if applicable, refer to specific model instructions for oil check points).

## 4.2 Setting Target Pressure

The TXED012 features an adjustable pressure function with automatic shut-off.

1. Locate the pressure adjustment knob or digital interface on the compressor.
2. Set the desired target pressure (up to 4500 PSI / 300 Bar) for your tank. The compressor will automatically stop when this pressure is reached.

## 4.3 Starting the Compressor

1. Turn on the water pump first to ensure cooling begins immediately.
2. Switch the main power button on the compressor to the 'ON' position.
3. Monitor the pressure gauge during operation. The compressor will inflate at a speed of approximately 2800 revolutions per minute.
4. Typical fill times: a 0.5L tank from 0 to 4500psi in approximately 3 minutes; a 6.8L tank from 0 to 4500psi in approximately 45 minutes.

## 4.4 Post-Operation

1. Once the compressor automatically shuts off or you manually stop it, turn off the compressor's main power switch.
2. Allow the water pump to run for a few minutes after the compressor stops to ensure adequate cooling of residual heat. Then, turn off the water pump.
3. Carefully disconnect the air hose from the filled tank, releasing any residual pressure safely.
4. Disconnect the power cord from the electrical outlet.

# 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your TUXING TXED012 compressor.

## 5.1 Water-Oil Separator and Filtration

- The compressor features a built-in two-stage filtration system with double filters and molecular sieve intake filtration.
- Regularly drain any accumulated moisture and oil from the water-oil separators. This prevents moisture from entering your air tanks.
- Inspect and replace filter elements as needed. The frequency depends on usage and environmental conditions.

## 5.2 Cooling System

- Keep the water cooling reservoir clean and filled with fresh water.
- Ensure the cooling fan is free from obstructions and dirt to maintain efficient heat dissipation.

## 5.3 General Inspection

- Periodically check all nuts, bolts, and fittings for tightness.
- Inspect the power cord for any signs of damage or fraying.
- Store the compressor in a clean, dry environment when not in use.

## 6. TROUBLESHOOTING

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

### 6.1 Compressor Does Not Start

- **Check Power Supply:** Ensure the power cord is securely plugged into a working 110V/60Hz outlet. Check for tripped circuit breakers.
- **Power Switch:** Verify the main power switch on the compressor is in the 'ON' position.
- **Overload Protection:** The compressor has overload protection. If it tripped, allow the unit to cool down and then reset it (if a reset button is present).

### 6.2 Low Pressure Output or Slow Filling

- **Air Leaks:** Check all hose connections and fittings for air leaks. Tighten or replace as necessary.
- **Filter Clogging:** Inspect the air intake filters and water-oil separator filters. Clogged filters can restrict airflow. Clean or replace them.
- **Cooling System:** Ensure the water cooling system is functioning correctly. Overheating can reduce efficiency.

### 6.3 Excessive Noise or Vibration

- **Loose Components:** Check for any loose bolts, screws, or components on the compressor frame or motor.
- **Uneven Surface:** Ensure the compressor is on a stable and level surface.

### 6.4 Water or Oil in Compressed Air

- **Drain Separators:** Regularly drain the water-oil separators.
- **Filter Replacement:** Replace the filter elements in the water-oil separator and intake filtration system.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, contact TUXING customer support.

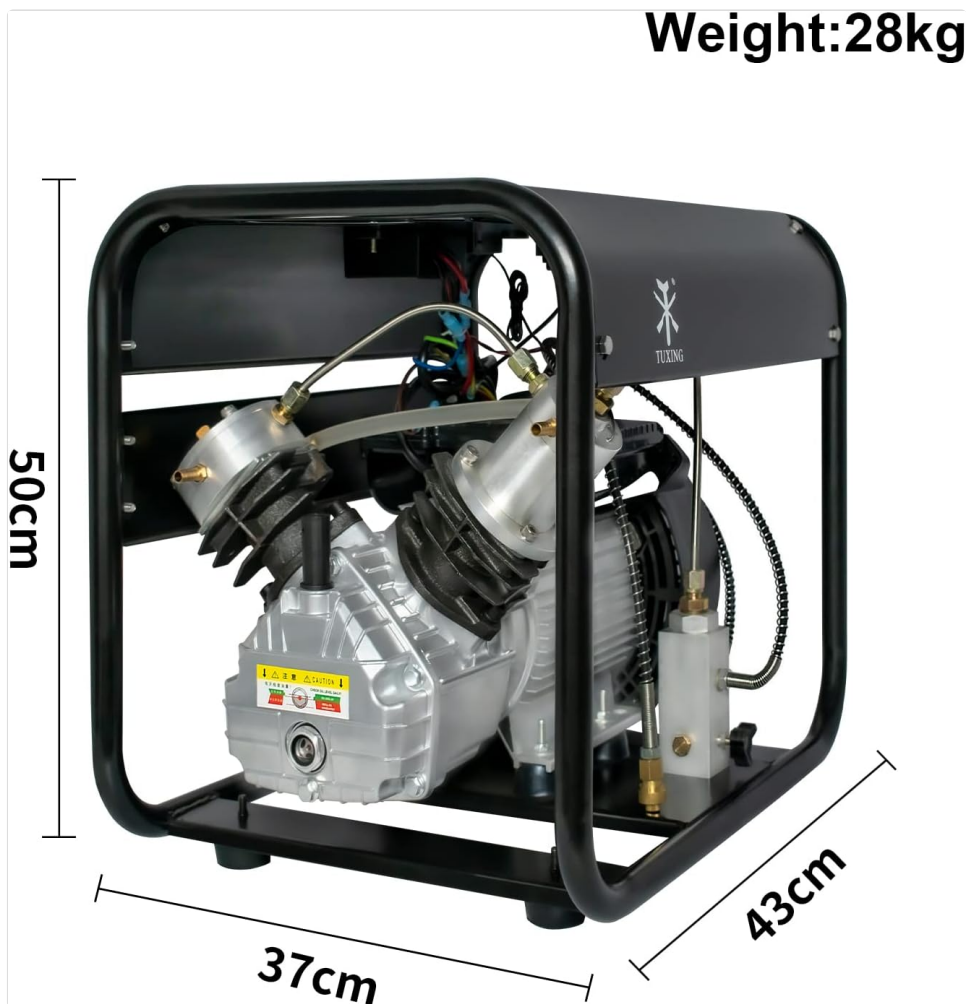
## 7. SPECIFICATIONS

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Detailed technical specifications for the TUXING TXED012 PCP Air Compressor.

Feature	Specification
Model	TXED012
Power Supply	110V/60Hz
Working Pressure	Max 4500 PSI / 300 Bar
Inflation Speed	2800 r/min

Feature	Specification
Maximum Power	2200 Watts
Maximum Current	20 Amps
Noise Level	75 Decibels
Cooling System	Double Cylinder, Water-cooled & Fan-cooled
Filtration System	Two-stage, Double Filter, Molecular Sieve
Material	Stainless Steel
Item Weight	8.4 Kilograms (18.5 lbs)
Hose Length	0.5 Meters
Dimensions (L x W x H)	20.87" x 15.75" x 18.9"



**Figure 7.1:** Compressor Dimensions and Weight. This image provides a visual representation of the compressor's physical dimensions (50cm height, 37cm depth, 43cm width) and its weight (28kg, which is 61.7 lbs, note: JSON states 8.4kg/18.5lbs, using image data for visual context).

## 8. WARRANTY AND SUPPORT

Specific warranty details for the TUXING TXED012 PCP Air Compressor are not provided in this manual. Please refer

to the product packaging, your purchase receipt, or the official TUXING website for the most current warranty information.

For technical support, spare parts, or service inquiries, please contact TUXING customer service through their official channels. Contact information can typically be found on the manufacturer's website or included documentation.