

Manuals.plus /

› TUXING /

› TUXING 4500psi Four-Stage PCP Hand Pump Instruction Manual

TUXING 1

TUXING 4500psi Four-Stage PCP Hand Pump Instruction Manual

Model: 1

1. INTRODUCTION

The TUXING 4500psi Four-Stage PCP Hand Pump is designed for manual high-pressure air inflation of PCP airguns, air rifles, and other compatible pneumatic devices. This manual provides essential information for the safe assembly, operation, and maintenance of your hand pump.

2. SAFETY INFORMATION

- Always read and understand all instructions before use.
- Wear appropriate eye protection during operation.
- Never exceed the maximum rated pressure of 4500psi (300Bar/30Mpa) for the pump or the device being inflated.
- Ensure all connections are secure before pressurizing.
- Do not point the hose or connector at yourself or others during operation.
- Keep hands and fingers clear of moving parts.
- Store the pump in a dry, safe place away from children and unauthorized users.
- Avoid bending or crashing the pressure gauge.
- Always relieve pressure from the pump after use.

3. PACKAGE CONTENTS








Image: TUXING PCP Hand Pump along with included accessories: a wrench, various O-rings, and spare filters.

- TUXING 4500psi PCP Hand Pump
- Spring Hose with Copper Quick Connector
- Oil-Moisture Filter
- Rubber Handle
- Foot Board
- Assembly Screws (2)
- Wrench
- Spare O-rings
- Spare Filters

4. PRODUCT OVERVIEW

The TUXING 4500psi PCP Hand Pump features a robust stainless steel construction and a four-stage design for efficient high-pressure air delivery. Key components include:

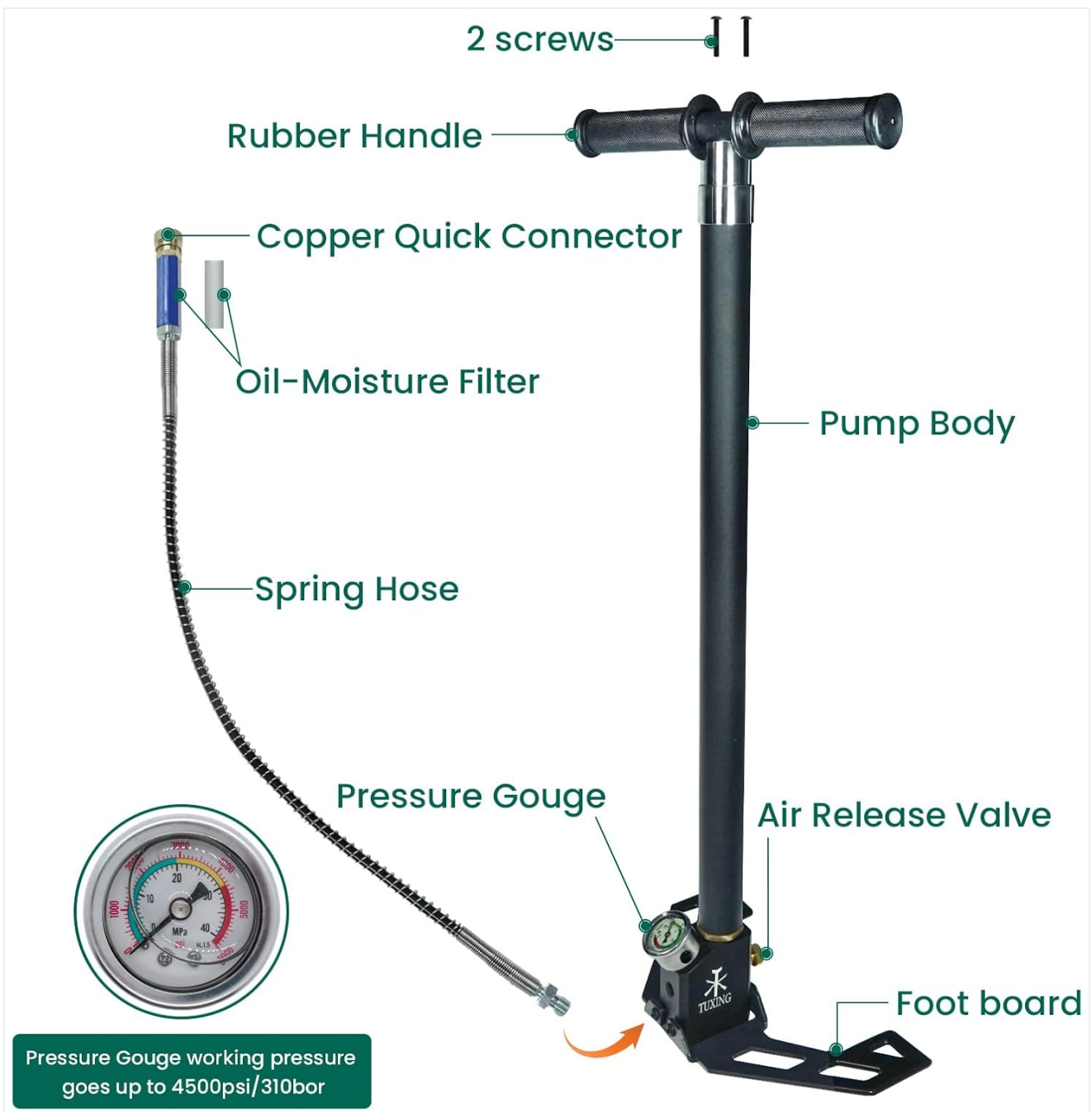


Image: TUXING 4500psi PCP Hand Pump components diagram, showing rubber handle, copper quick connector, oil-moisture filter, spring hose, pressure gauge, air release valve, foot board, and two screws for assembly.

- **Rubber Handle:** Provides a comfortable and secure grip during pumping.
- **Pump Body:** The main cylinder housing the pumping mechanism.
- **Copper Quick Connector:** For quick and secure attachment to the device being inflated.
- **Oil-Moisture Filter:** Helps to remove moisture and impurities from the air.
- **Spring Hose:** Connects the pump to the device.
- **Pressure Gauge:** Displays the current air pressure, with a working pressure up to 4500psi/310bar.
- **Air Release Valve:** Used to safely vent residual air pressure from the pump.
- **Foot Board:** Provides stability during operation and is foldable for storage.



Image: Dimensions of the TUXING PCP Hand Pump, illustrating a height of 640mm, and a base width of 160mm with a 60mm foot board height.

High Pressure Hand Pump 4500Psi/30Mpa/300Bar



Image: Detailed view of TUXING PCP Hand Pump features, including non-slip hand grips, painted pump body, and an easy-to-monitor pressure gauge.

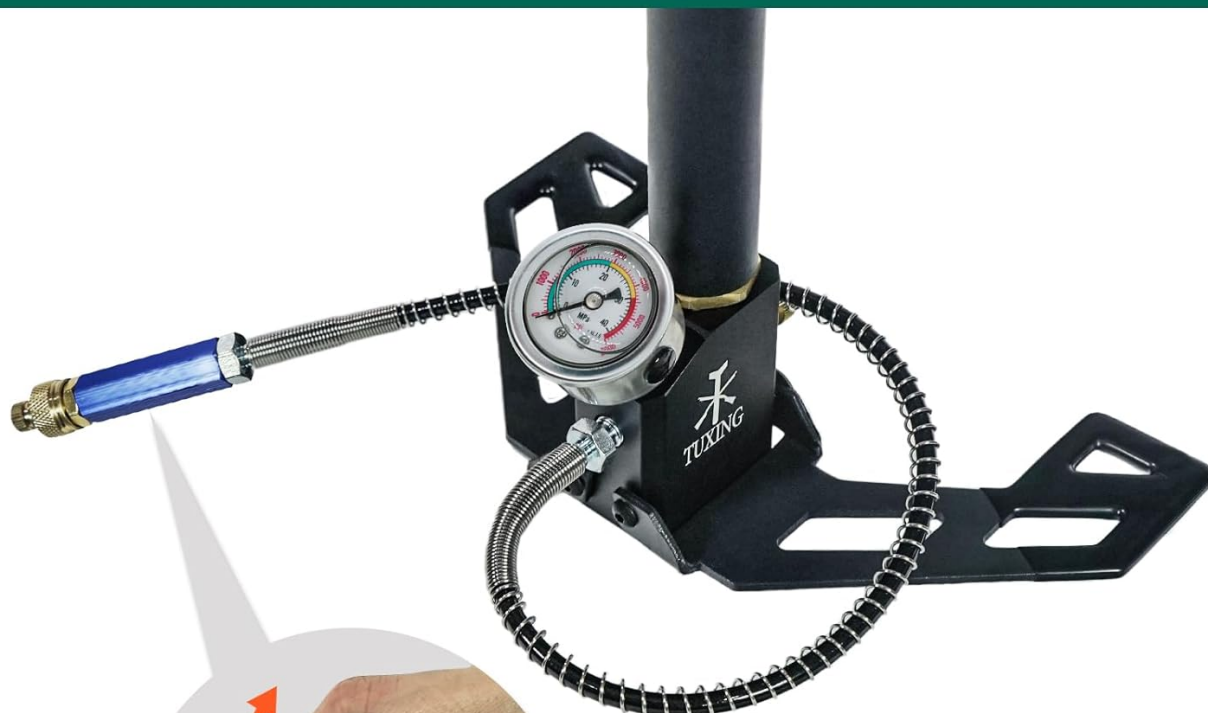


Image: Demonstrating the 90-degree foldable foot pedal design of the TUXING PCP Hand Pump for compact storage and portability.

5. SETUP

1. **Assemble the Foot Board:** Attach the foot board to the pump body using the two provided screws. Ensure it is securely fastened.
2. **Attach the Handle:** Secure the rubber handle to the top of the pump body.
3. **Connect the Hose:** Connect the spring hose to the pump body and the copper quick connector. Ensure all connections are tight.
4. **Install Oil-Moisture Filter:** Attach the oil-moisture filter to the quick connector end of the hose.
5. **Initial Lubrication:** Before first use, inflate the pump approximately 30 times without connecting it to a device. This helps to lubricate the inner wall of the air pump.
6. **Check Air Tightness:** Before connecting to a device, ensure all connections are tight. Inflate the pump a few times and observe the pressure gauge. If the pointer drops, re-check all connections for tightness. Pay particular attention to the sealing ring within the 8mm female quick connector; ensure it is fixed well. If lost, replace it with a spare.

8mm female quick connector



General connector, Make sure the sealing ring is fixed well before use. If it is lost, please replace it with a spare port.

Image: Close-up view of the 8mm female quick connector, highlighting the importance of ensuring the sealing ring is properly fixed before use.

6. OPERATING INSTRUCTIONS

1. **Connect to Device:** Securely attach the copper quick connector to the inflation port of your PCP airgun or other compatible device.
2. **Ensure Air Release Valve is Closed:** Confirm that the air release valve on the pump is fully closed (tightened).
3. **Begin Pumping:** Place your feet firmly on the foot board and use smooth, consistent strokes to pump the handle.
4. **Monitor Pressure:** Continuously monitor the pressure gauge to ensure you do not exceed the maximum pressure rating of your device or the pump (4500psi/300Bar/30Mpa).
5. **Stop Pumping:** Once the desired pressure is reached, stop pumping.
6. **Relieve Pressure:** Slowly unscrew the air release valve to vent the residual air pressure from the pump hose. The pressure gauge should drop to zero.
7. **Disconnect:** Once pressure is relieved, disconnect the quick connector from your device.

Pressure Relief

The air pressure must be vented, as shown in the following illustration.
When not in use, try to keep the pump in the pressure-free state.
Hose can't bend over, don't crash pressure gauge.



Image: Illustration of the pressure relief mechanism on the TUXING PCP Hand Pump, showing how to vent air pressure by unscrewing the valve.

Wide Applications



Image: Examples of applications for the TUXING PCP Hand Pump, including inflating air rifles, bicycles, kayaks, and car tires.

7. MAINTENANCE

- **Lubrication:** If you notice any air leakage or increased resistance during pumping, apply a small amount of silicone oil to the pump's internal seals.
- **Filter Replacement:** Regularly check the oil-moisture filter. Replace it when it appears saturated or discolored to ensure clean air delivery.
- **O-ring Inspection:** Periodically inspect all O-rings for wear or damage. Replace any worn or damaged O-rings with the provided spares to maintain air tightness.
- **Cleaning:** Keep the exterior of the pump clean and free from dirt and debris.
- **Storage:** After each use, ensure the air release valve is open to keep the pump in a pressure-free state. Fold the foot board for compact storage. Store in a dry environment.

8. TROUBLESHOOTING

Air Tightness Test

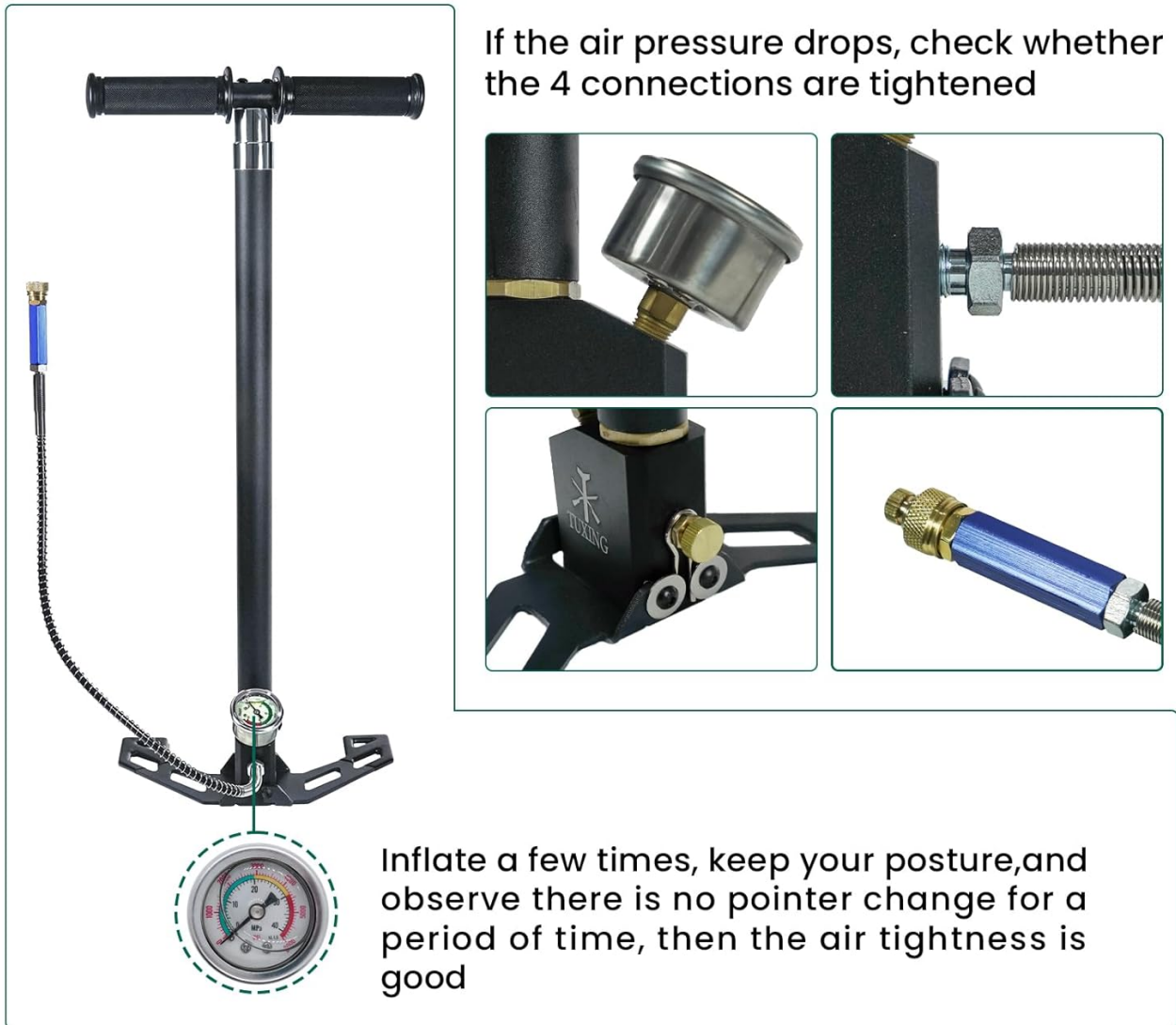


Image: Diagram illustrating air tightness testing procedures for the TUXING PCP Hand Pump, showing how to check connections and monitor the pressure gauge for drops.

- **Air Leakage:**

- **Symptom:** Pressure gauge drops rapidly after pumping, or air can be heard escaping.
- **Solution:** Check all four main connections (handle to pump body, hose to pump body, hose to quick connector, quick connector to device) for tightness. Inspect O-rings and sealing rings for damage or improper seating. Apply silicone oil to seals if dry.

- **Difficulty Pumping / No Pressure Build-up:**

- **Symptom:** Pump handle feels loose, or pressure does not increase.
- **Solution:** Ensure the air release valve is fully closed. Check for internal seal issues; lubrication or O-ring replacement may be necessary.

- **Moisture in Air:**

- **Symptom:** Visible moisture or condensation in the air delivered.
- **Solution:** Replace the oil-moisture filter. Ensure the pump is used in a dry environment.

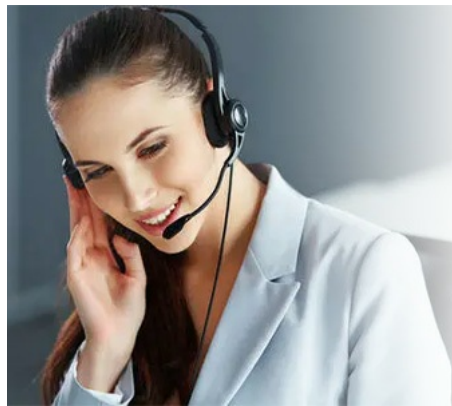
9. SPECIFICATIONS

Brand	TUXING
Power Source	Handheld
Maximum Pressure	4500 Pound per Square Inch (psi) / 300 Bar / 30 Mpa
Operation Mode	Manual
Color	Black
Item Dimensions (LxWxH)	25.59 x 7.09 x 1.97 inches (approx. 65 x 18 x 5 cm)
Package Weight	2.45 Kilograms
Model Number	1

10. WARRANTY INFORMATION

Specific warranty details are not provided with this product. Please refer to the retailer or manufacturer's website for current warranty policies.

11. CUSTOMER SUPPORT



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: Customer support information, indicating 24/7 online service and contact via email for inquiries.

For any questions regarding the purchase or use of your TUXING PCP Hand Pump, please contact customer support via email. TUXING offers 24/7 online service, and their professional team aims to reply as soon as possible.