

Tuomico Pump-20PSi

Tuomico Electric SUP Pump Instruction Manual

Model: Pump-20PSi

1. INTRODUCTION

Thank you for choosing the Tuomico Electric SUP Pump. This portable air compressor is designed for efficient inflation and deflation of various inflatables, including stand-up paddleboards, kayaks, and air mattresses. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your pump.

2. SAFETY INSTRUCTIONS

Please read all safety warnings and instructions carefully before using the pump. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Power Source:** Only connect the pump to a 12V DC car cigarette lighter socket. Do not attempt to connect to other power sources.
- **Operating Environment:** Use the pump in a dry environment. Do not expose it to rain or wet conditions.
- **Overheating:** The pump features an active cooling system. However, avoid continuous operation for extended periods without allowing it to cool down. The pump can inflate up to 3 boards consecutively before requiring a cool-down period.
- **Pressure Settings:** Always set the correct pressure (PSI) for your inflatable item. Over-inflation can cause damage to the inflatable or the pump. The maximum pressure is 20 PSI.
- **Nozzle Connection:** Ensure the hose and nozzle are securely attached to both the pump and the inflatable valve before starting operation.
- **Children and Pets:** Keep the pump out of reach of children and pets. This is not a toy.
- **Ventilation:** Ensure the pump's air intake and exhaust ports are clear of obstructions during operation to prevent overheating.
- **Maintenance:** Do not attempt to disassemble or repair the pump yourself. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and features of your Tuomico Electric SUP Pump.

3.1 Included Components

- Electric SUP Pump Unit
- Hose
- 12V DC Car Connector Cord (Detachable)
- 7 Durable Attachments/Nozzles
- Carrying Case

3.2 Pump Features and Ports



Figure 3.2.1: Tuomico Electric SUP Pump and Included Accessories.

This image displays the main pump unit, the coiled 12V DC power cord with car adapter, a black carrying bag with "TUOMICO" logo, and a variety of black nozzle attachments for different inflatable valves. The pump itself is khaki-colored with a black digital display and control buttons.

QUICK INFLATION & DEFLATION



Figure 3.2.2: Inflation and Deflation Ports.

This image highlights the two main ports on the pump: the "INFLATION PORT" on the left and the "DEFLATION PORT" on the right, with arrows indicating the direction of air flow for each function. The digital display shows "20.0 20.0" PSI.



Figure 3.2.3: Power Connection and Pressure Range.

This image shows the pump connected via its detachable 12V DC car connector. Text overlays indicate "20PSI MAX" and "PRESSURE RANGE 0-20PSI", emphasizing the pump's capabilities and power source.



Figure 3.2.4: Multiple Attachments for Versatility.

This image illustrates the wide range of applications for the pump, showing various inflatable items such as a paddle board, kayak, tent, airbed, and yoga ball, alongside the different nozzle attachments that come with the pump to fit these items.

4. SETUP

1. **Connect Power:** Insert the 12V DC car connector cord into your vehicle's cigarette lighter socket. Ensure the connection is firm.
2. **Attach Hose:**
 - For **Inflation:** Connect one end of the hose to the **Inflation Port** on the pump (labeled "INFLATION PORT").
 - For **Deflation:** Connect one end of the hose to the **Deflation Port** on the pump (labeled "DEFLATE").
3. **Select Nozzle:** Choose the appropriate nozzle attachment for your inflatable item's valve. Securely attach it to the other end of the hose.
4. **Connect to Inflatable:** Insert the nozzle firmly into the valve of the item you wish to inflate or deflate.

5. OPERATING INSTRUCTIONS

5.1 Inflation Process

1. **Power On:** Press the power button () on the pump's control panel. The digital display will illuminate.
2. **Set Pressure Unit:** Press the "BAR" or "PSI" button to select your desired pressure unit.
3. **Set Target Pressure:** Use the "+" and "-" buttons to adjust the target pressure (PSI) according to your inflatable's specifications. The pump supports a range from 0 to 20 PSI.
4. **Start Inflation:** Press the power button () again to start the inflation process.
5. **Two-Stage Inflation:** The pump operates in two stages:
 - **1st Stage (Low Pressure):** Provides high volume at 350 L/min for rapid initial inflation.
 - **2nd Stage (High Pressure):** Automatically switches to high pressure at 70 L/min for precise inflation to the set PSI.
6. **Auto-Shutoff:** The pump will automatically stop once the preset pressure is reached.
7. **Cooling System:** The active cooling system allows for inflating multiple items consecutively (up to 3 boards to 15 PSI in a row). Allow the pump to cool if it feels excessively warm.

5.2 Deflation Process

1. **Connect for Deflation:** Ensure the hose is connected to the **Deflation Port** on the pump and the appropriate nozzle is attached to your inflatable's valve.
2. **Start Deflation:** Press the power button () to begin deflating the item. The pump will draw air out, compacting the inflatable for easier storage.
3. **Stop Deflation:** Press the power button () again to stop the deflation process, or disconnect the hose when the item is sufficiently deflated.

6. MAINTENANCE

- **Cleaning:** Wipe the exterior of the pump with a soft, dry cloth. Do not use abrasive cleaners or immerse the pump in water.
- **Storage:** Store the pump and its accessories in the provided carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Hose and Nozzles:** Inspect the hose and nozzles regularly for any signs of wear, cracks, or damage. Replace if necessary to ensure proper sealing and performance.
- **Air Vents:** Keep the air intake and exhaust vents clear of dust, sand, and debris to maintain efficient operation and prevent overheating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump does not turn on or receive power.	◦ Loose connection to 12V DC socket. ◦ Vehicle's cigarette lighter fuse blown. ◦ Faulty 12V DC cord.	◦ Ensure the 12V DC connector is fully inserted and secure. ◦ Check and replace the vehicle's cigarette lighter fuse if necessary. ◦ Contact customer support if the cord appears damaged.
Pump stops before reaching preset PSI.	◦ Hose or nozzle not securely attached, causing air leakage. ◦ Valve on inflatable is not fully open or is obstructed. ◦ Pump overheating (less likely due to cooling system, but possible in extreme conditions).	◦ Check all connections for leaks and ensure they are tight. ◦ Verify the inflatable's valve is fully open and clear. ◦ Allow the pump to cool down for 10-15 minutes before resuming operation.
Pump is noisy during operation.	◦ Normal operation for a high-pressure air compressor. ◦ Obstruction in air intake/exhaust.	◦ Some noise is expected. ◦ Check and clear any debris from the air vents.
Inflatable is not firm enough despite reaching set PSI.	◦ Inaccurate pressure gauge reading (rare). ◦ Inflatable requires higher pressure than initially thought.	◦ Verify the required PSI for your inflatable from its manufacturer's specifications. ◦ Increase the target PSI slightly and re-inflate.

8. SPECIFICATIONS

Feature	Detail
Model	Pump-20PSi
Brand	Tuomico
Product Dimensions	16.51 x 17.78 x 7.62 cm
Item Weight	1.1 kg
Colour	Khaki
Material	Plastic
Power Source	12V DC Corded Electric

Feature	Detail
Pressure Range	0-20 PSI
1st Stage Speed (Low Pressure)	350 L/min
2nd Stage Speed (High Pressure)	70 L/min
Included Components	Hose, 7 Attachments

9. WARRANTY AND SUPPORT

For warranty information, product support, or any inquiries not covered in this manual, please contact Tuomico customer service directly. You can typically find contact details on the product packaging or the seller's information page where you purchased the product.

Manufacturer Contact: tuomico@outlook.com

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ASK A QUESTION ABOUT THIS MANUAL

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

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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