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› Tefola Sandblaster Gun Air Sand Blaster PS-6R Instruction Manual

## Tefola PS-6R

# Tefola Sandblaster Gun Air Sand Blaster PS-6R Instruction Manual

Model: PS-6R

## 1. INTRODUCTION

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Thank you for choosing the Tefola PS-6R Sandblaster Gun. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new sandblaster. Please read these instructions carefully before use and retain them for future reference.

## 2. SAFETY INFORMATION

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Always prioritize safety when operating power tools. Failure to follow these safety guidelines may result in serious injury or property damage.

- **Eye Protection:** Always wear ANSI-approved safety goggles or a face shield to protect against abrasive particles.
- **Respiratory Protection:** Use an approved respirator to prevent inhalation of dust and abrasive media.
- **Hand Protection:** Wear heavy-duty gloves to protect hands from abrasive materials and potential injury.
- **Hearing Protection:** Prolonged exposure to noise from air compressors and sandblasting can cause hearing damage. Wear ear protection.
- **Ventilation:** Operate the sandblaster in a well-ventilated area to disperse dust and fumes. Avoid enclosed spaces.
- **Air Compressor:** Ensure your air compressor is rated for the required working pressure and air consumption (10.0 bar, 320-420 L/min). Always follow the compressor manufacturer's safety instructions.
- **Abrasive Material:** Use only recommended abrasive media. Never use silica sand, as it can cause silicosis, a severe lung disease.
- **Secure Workpiece:** Ensure the item being sandblasted is stable and securely held to prevent movement during operation.
- **Disconnect Air:** Always disconnect the air supply before performing any maintenance, cleaning, or changing parts.
- **Children and Bystanders:** Keep children and bystanders away from the work area.

### 3. PRODUCT OVERVIEW AND COMPONENTS

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The Tefola PS-6R Sandblaster Gun is designed for various applications including glass sanding, surface polishing, and rust removal. It features a durable die-cast aluminum alloy body and an easy-grip trigger handle.

#### Key Features:

- Fine Spraying: Compatible with oil, solvent, and water-based materials for various coatings and textures.
- Efficient Use: Equipped with a 750cc aluminum pot, 10.0 bar working pressure, and 320-420 L/min air consumption.
- Broad Utility: Suitable for sanding, sandblasting, surface polishing, and rust removal.
- Ergonomic Design: Die-cast aluminum alloy body with an easy-grip trigger handle for simplified operation.
- Portability: Lightweight and compact for convenient indoor and outdoor use.

#### Components:

- Sandblaster Gun Body
- Nozzle
- 750cc Aluminum Pot

# FEATURES:

- 25 OZ ALUMINUM FLUID CUP WITH INTEGRATED METAL SIPHON TUBE
- SIMPLE, FOOLPROOF DESIGN
- DIE-CAST ALUMINUM ALLOY BODY
- EASY GRIP TRIGGER HANDLE
- USE WITH OIL & WATER-BASED MATERIALS

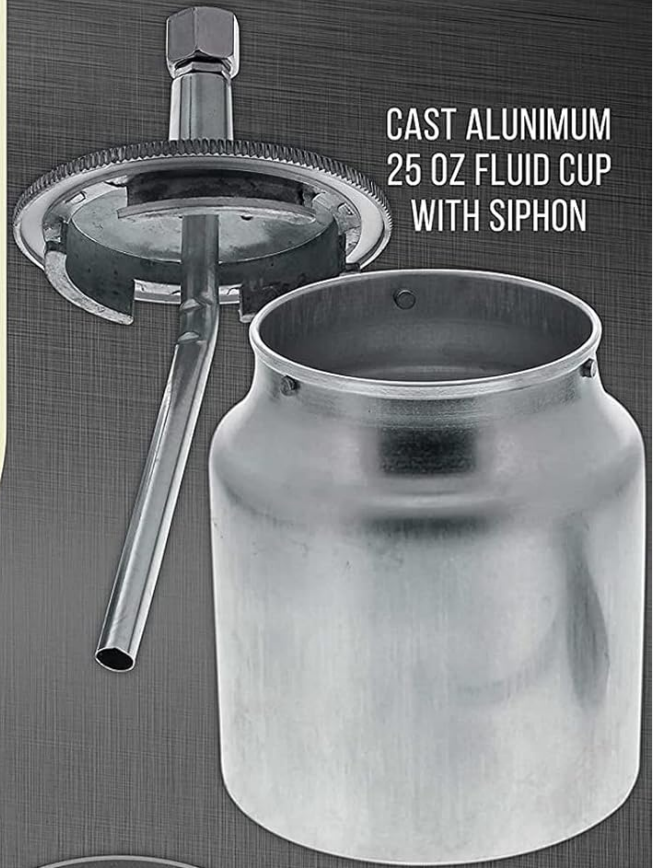


Figure 3.1: Diagram illustrating the key features and components of the sandblaster gun, including the aluminum fluid cup, nozzle, and trigger handle.



Figure 3.2: Disassembled view of the sandblaster gun, showing the gun body, aluminum pot, and internal siphon tube.

## 4. SETUP

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Before operating the sandblaster, ensure all components are correctly assembled and connected to a suitable air supply.

1. **Attach Nozzle:** Screw the nozzle securely onto the front of the sandblaster gun body.
2. **Assemble Pot:** Ensure the siphon tube is correctly inserted into the lid of the 750cc aluminum pot. Screw the pot assembly onto the bottom of the sandblaster gun body.
3. **Connect Air Supply:** Attach your air compressor hose to the air inlet fitting on the handle of the sandblaster gun. Ensure the connection is tight to prevent air leaks.
4. **Prepare Abrasive Material:** Fill the aluminum pot with your chosen abrasive media. Do not overfill; leave some space for air circulation. Ensure the abrasive material is dry and free of clumps.



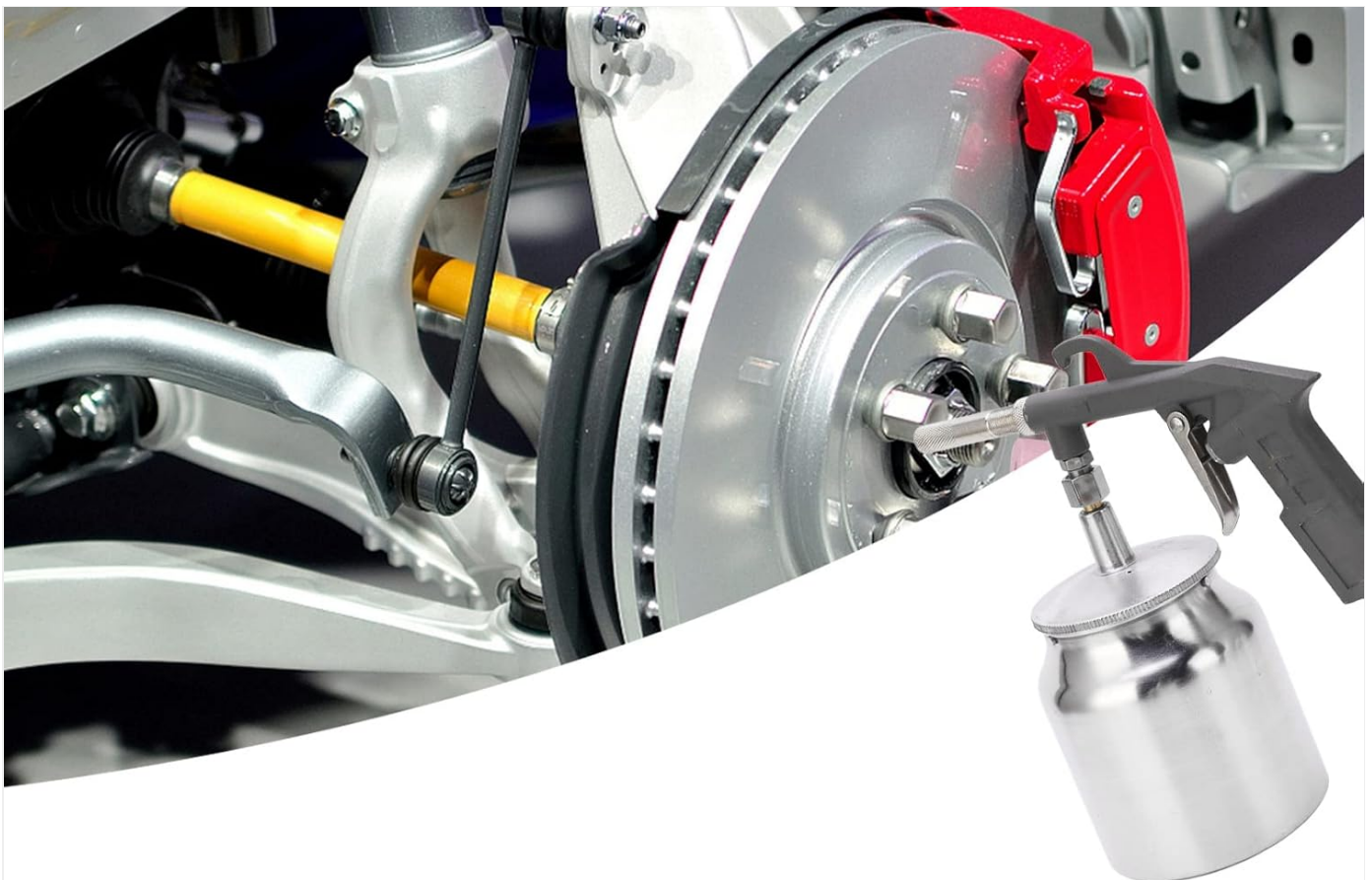
Figure 4.1: Fully assembled sandblaster gun with the aluminum pot and nozzle attached.

## 5. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective sandblasting.

1. **Wear Safety Gear:** Always put on all required personal protective equipment (PPE) including eye protection, respiratory protection, gloves, and hearing protection.
2. **Prepare Work Area:** Ensure the work area is well-ventilated and clear of obstructions. Protect surrounding areas from abrasive overspray.
3. **Connect Air Compressor:** Turn on your air compressor and adjust the pressure regulator to the recommended working pressure of 10.0 bar (approximately 145 PSI).
4. **Test Spray:** Point the sandblaster gun at a scrap piece of material or a designated test area. Depress the trigger to ensure a consistent flow of abrasive material. If using paint or other liquids, shake the pot evenly before use.
5. **Begin Sandblasting:** Hold the gun at an appropriate distance from the workpiece (typically 6-12 inches) and maintain a consistent angle. Move the gun steadily across the surface to achieve an even finish.
6. **Monitor Abrasive Level:** Periodically check the abrasive level in the aluminum pot and refill as needed.
7. **Finish Operation:** Once finished, release the trigger. Disconnect the air supply from the sandblaster gun.



## SAND BLASTING GUN

**Can be used with oil, solvent, water based materials and so on.  
A die cast aluminium body with an easy t grip trigger handle.  
10.0 bar working pressure and 320-420L/min air consumption.**

Figure 5.1: Sandblaster gun in operation, demonstrating its application on a mechanical part.

Regular maintenance ensures the longevity and optimal performance of your sandblaster gun.

- **Clean After Each Use:** After disconnecting the air supply, empty any remaining abrasive material from the pot. Clean the pot and siphon tube thoroughly to prevent clogging.
- **Inspect Nozzle:** Check the nozzle for wear or damage. A worn nozzle can affect spray pattern and efficiency. Replace if necessary.
- **Check Air Inlet:** Ensure the air inlet fitting is clean and free of debris.
- **Storage:** Store the sandblaster gun in a clean, dry place, away from moisture and extreme temperatures.

## 7. TROUBLESHOOTING

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If you encounter issues with your sandblaster gun, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No abrasive flow or weak flow	<ul style="list-style-type: none"><li>• Insufficient air pressure</li><li>• Clogged nozzle or siphon tube</li><li>• Abrasive material is damp or clumped</li><li>• Improper assembly of pot/siphon</li><li>• Air leaks in connections</li></ul>	<ul style="list-style-type: none"><li>• Ensure air compressor is set to 10.0 bar (145 PSI) and can maintain adequate air consumption (320-420 L/min).</li><li>• Disconnect air supply, remove nozzle and siphon tube, and clean thoroughly.</li><li>• Use only dry, free-flowing abrasive material.</li><li>• Verify the aluminum pot and siphon tube are correctly and securely assembled.</li><li>• Check all air connections for tightness. Apply thread sealant if necessary.</li></ul>
Inconsistent spray pattern	<ul style="list-style-type: none"><li>• Worn or damaged nozzle</li><li>• Uneven abrasive feed</li></ul>	<ul style="list-style-type: none"><li>• Inspect and replace the nozzle if it shows signs of wear.</li><li>• Ensure abrasive material is consistent and free-flowing.</li></ul>
Air leaks from connections	<ul style="list-style-type: none"><li>• Loose fittings</li><li>• Damaged O-rings or seals</li></ul>	<ul style="list-style-type: none"><li>• Tighten all connections.</li><li>• Inspect and replace any damaged O-rings or seals.</li></ul>

## 8. SPECIFICATIONS

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Parameter	Value
Model	PS-6R
Material	Plastic, Aluminium Alloy
Working Pressure	10.0 bar (approx. 145 PSI)
Compressor Air Consumption	320-420 L/min
Aluminium Pot Capacity	750 CC
Application	Glass sanding, sandblasting, surface polishing, mechanical parts cleaning
Item Weight	1.06 pounds (approx. 0.48 kg)

## 9. WARRANTY AND SUPPORT

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Tefola products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Tefola website.

For technical support, replacement parts, or any questions not covered in this manual, please contact Tefola customer service through the retailer where the product was purchased or via the contact information provided on the official Tefola website.

