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› TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun User Manual

TECHTONGDA P2

TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun User Manual

Model: P2 (029113)

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun. Please read this manual thoroughly before using the equipment to ensure proper function and to prevent injury or damage.



Figure 1: TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun, showing its compact design and various connection points.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and respiratory protection, when operating the spray gun.
- Ensure adequate ventilation in the work area to prevent inhalation of hazardous fumes.
- Never point the spray gun at yourself or others.

- Disconnect the air supply and material hoses before performing any maintenance, cleaning, or adjustments.
- Use only approved materials and solvents with the spray gun. Refer to material manufacturer's safety data sheets (SDS).
- Keep the spray gun clean and in good working condition.
- Store the spray gun in a dry, secure location away from children and unauthorized personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package before beginning setup.

- TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun
- Accessory Kit (various O-rings, nozzles, and small components)
- User Manual (this document)



Figure 2: The P2 spray gun alongside a bag containing various accessories and replacement parts.



Figure 3: Detailed view of the accessory bags, showing different sizes of O-rings, nozzles, and other small components for maintenance and customization.

4. SETUP INSTRUCTIONS

Follow these steps to prepare your spray gun for operation.

1. **Connect Air Supply:** Attach your compressed air line to the designated air inlet port on the spray gun. Ensure a secure, leak-free connection. The air supply should be clean, dry, and regulated to the recommended pressure (refer to specifications).
2. **Connect Material Hoses:** Connect the ISO material hose to the ISO inlet and the POLY material hose to the

POLY inlet on the spray gun. These connections are typically color-coded or clearly marked. Ensure all connections are tight to prevent leaks.

3. **Install Nozzle:** Select the appropriate spray nozzle for your application and securely install it onto the gun head.
4. **Check for Leaks:** Before introducing material, pressurize the air system and visually inspect all connections for air leaks. Once confirmed, introduce material and check for material leaks.



Figure 4: Top view of the spray gun, highlighting the air and material inlet connections and the nozzle assembly.

5. OPERATING INSTRUCTIONS

Proper operation ensures efficient spraying and extends the life of your equipment.

1. **Pre-Spray Check:** Confirm all connections are secure, air pressure is set correctly, and material tanks are adequately filled.
2. **Initiate Spray:** Aim the gun at the target surface. Depress the trigger fully to begin spraying. Maintain a consistent distance and speed for an even application.
3. **Spraying Technique:** Move the gun in smooth, overlapping passes. The all-steel hybrid head allows for precise control, reducing material waste, especially in confined spaces.
4. **Stopping Spray:** Release the trigger to stop the material flow.
5. **Air Purge:** The P2 gun features an air purge mechanism. After each use or during extended breaks, activate the air purge function to clear the mixing chamber and prevent material buildup.



Figure 5: An operator demonstrating the application of foam using the TECHTONGDA P2 spray gun on a roof surface.



Figure 6: A hand gripping the ergonomic handle of the P2 spray gun, illustrating its comfortable and compact design for ease of use.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your spray gun.

1. **Daily Cleaning:** After each use, thoroughly clean the gun. Activate the air purge to clear any residual material from the mixing chamber and nozzle.

- 2. **Nozzle Cleaning/Replacement:** Inspect the nozzle for clogs or damage. Clean with appropriate solvent or replace if necessary.
- 3. **O-Ring Inspection:** Regularly check O-rings and seals for wear or damage. Replace any worn components using the provided accessory kit. The single valve device prevents material flow back and allows for checking seals without full disassembly.
- 4. **Gun Body Cleaning:** The gun body is designed to resist corrosion from acid or alkaline liquids. Clean the exterior with a suitable solvent and wipe dry.
- 5. **Storage:** Store the clean and dry spray gun in a protected environment.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No material flow	Clogged nozzle; Material hoses blocked; No air pressure	Clean or replace nozzle; Check and clear hoses; Verify air supply and pressure.
Uneven spray pattern	Partially clogged nozzle; Incorrect air pressure; Worn nozzle	Clean or replace nozzle; Adjust air pressure; Replace nozzle.
Material leakage from gun head	Damaged O-rings/seals; Loose connections	Inspect and replace O-rings/seals; Tighten all connections.
Gun not purging effectively	Air purge mechanism obstructed; Low air pressure	Clean purge mechanism; Verify adequate air pressure.

8. SPECIFICATIONS

Key technical details for the TECHTONGDA P2 Pneumatic Polyurethane Foam Spray Gun.

- **Model Number:** 029113
- **Type:** Pneumatic Polyurethane Foam Spray Gun
- **Head Material:** All steel hybrid
- **Special Features:** Lightweight, Ergonomic handle, Air purge, Single valve device
- **Color:** Black
- **UPC:** 681381556562
- **Dimensions (Approximate):** 245mm (Height) x 160mm (Length) x 50mm (Width)



Figure 7: Dimensional drawing of the P2 spray gun, indicating key measurements for reference.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact TECHTONGDA customer service through your original point of purchase or visit the official TECHTONGDA website. Please have your model number (029113) and purchase date available when contacting support.

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