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Model: F-75G

INTRODUCTION

The Wokyo F-75G HVLP Gravity Feed Air Spray Gun is designed for efficient and precise application of various coatings, including latex paint, primers, and top coats. Its High Volume Low Pressure (HVLP) technology ensures high material transfer efficiency, reducing paint waste and requiring lower air volume. This manual provides essential information for the safe operation, setup, adjustment, and maintenance of your spray gun.



Image: The Wokyo F-75G HVLP Gravity Feed Air Spray Gun with its gravity-feed paint cup.

SAFETY INFORMATION

Always adhere to the following safety guidelines when operating the spray gun:

- **Use protective equipment:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and a respirator, to prevent exposure to paint fumes and overspray.
- **Avoid contact with eyes and skin:** Prevent paint or solvents from coming into direct contact with your eyes or skin. In case of contact, rinse immediately with plenty of water and seek medical attention if irritation persists.
- **Use in well-ventilated areas:** Operate the spray gun only in areas with adequate ventilation to disperse fumes and prevent inhalation hazards.
- **Do not point the spray gun towards people or animals:** Never aim the spray gun at any person or animal, even when it is not in operation.
- **Read paint manufacturer's instructions:** Always consult the paint manufacturer's safety data sheet (SDS) and instructions for proper handling, ventilation, and disposal of materials.

PRODUCT COMPONENTS

Familiarize yourself with the main components of your Wokyo F-75G HVLP Gravity Feed Air Spray Gun:



Image: Labeled diagram showing the components of the Wokyo F-75G spray gun, including the paint inlet, paint can, air inlet, trigger, spray pattern valve, flow adjust valve, and air pressure regulating valve.

- **Paint Inlet:** Where paint enters the gun from the gravity feed cup.
- **Paint Can (Gravity Feed Cup):** Holds the paint and feeds it into the gun by gravity.
- **Air Inlet:** Connection point for the compressed air supply.
- **Trigger:** Activates the air and paint flow.
- **Spray Pattern Valve:** Adjusts the shape of the spray pattern (e.g., round, fan).
- **Flow Adjust Valve:** Controls the volume of paint released.
- **Air Pressure Regulating Valve:** Adjusts the air pressure at the gun.
- **Nozzle:** The component through which paint is atomized and sprayed. Made of durable brass.

No Blockage or Leakage

POROUS DESIGN

Durable Brass Nozzel ▶



Image: Close-up view of the durable brass nozzle and its porous design, highlighting the absence of blockage or leakage.

Two-Position Switch

*One for Blow Dust
One for Spray Outlet*



Air Pump Connection

*Premium Material
Easy to Connect
Durable*



Image: Details of the two-position switch (for blow dust and spray outlet) and the air pump connection point on the Wokyo F-75G spray gun.

SPECIFICATIONS

Feature	Specification
Item Type	Pneumatic spray gun
Material	Aluminum, Metal (Nozzle: Stainless Steel)
Capacity (Paint Pot)	400ml
Paint Supply Method	Gravity type
Working Pressure	0.25-0.4 Mpa (approximately 36-58 PSI)
Recommended Operating Pressure	3.5-4.5 bar (approximately 50-65 PSI)
Diameter of Spray Hole	1.5mm
Air Connector Size	1/4 inch
Paint Spraying Volume	≥435 ml/min
Effective Spray Distance	Approx. 20cm (7.87 inches)
Air Consumption	Approx. 5-10 l/min
Scope of Application	Latex paint, primer, top coat spraying (automotive, industrial, marine, wood crafts)
Product Dimensions	1.97 x 10.63 x 9.45 inches
Item Weight	0.43 Kilograms (15 ounces)
Model Name	HVLP Air Spray Gun

SETUP

Follow these steps to prepare your spray gun for use:

- 1. Prepare Paint:** Pour the well-proportioned paint into the paint pot. Ensure the paint is mixed according to the manufacturer's instructions and is free of debris. Securely connect the paint pot to the feed joint on the spray gun.
- 2. Connect Air Supply:** Connect your compressed air source to the air inlet connector on the spray gun. Ensure all connections are tight to prevent air leaks.
- 3. Check Air Pressure:** Before spraying, ensure your air compressor is set to deliver the recommended operating pressure of 3.5-4.5 bar (approximately 50-65 PSI).

OPERATING INSTRUCTIONS

Once the spray gun is set up, follow these instructions for effective spraying:

- 1. Adjust Air Pressure:** Pull the trigger and adjust the air pressure regulating valve to achieve the proper working air pressure (3.5-4.5 bar or 50-65 PSI).
- 2. Adjust Spray Pattern and Fluid Flow:** Use the spray pattern valve and flow adjust valve to set the desired spray width and paint volume. (Refer to the 'Adjustments' section for details).
- 3. Test Spray:** Always perform a test spray on a scrap surface to verify the spray pattern and paint

consistency before applying to your actual workpiece.

4. **Maintain Spray Distance:** Hold the spray gun parallel and vertical to the clean surface at an effective spray distance of approximately 20cm (7.87 inches).
5. **Apply Even Coats:** Move the gun at a consistent speed across the surface, overlapping each pass slightly to ensure an even coat. Release the trigger at the end of each pass.



Image: A person wearing a respirator and protective gear, demonstrating the use of an HVLV spray gun to paint a car panel.

ADJUSTMENTS

The Wokyo F-75G spray gun features three control knobs for precise adjustments:

- **Fluid Flow Knob:** Controls the amount of paint flowing through the gun. Turn clockwise to decrease flow, counter-clockwise to increase flow.
- **Air Flow Knob:** Adjusts the air pressure at the nozzle, affecting atomization.
- **Spray Pattern Knob:** Allows for a 360-degree adjustable spray pattern, from a narrow circular spray to a wide fan pattern.

Adjust these knobs as needed to achieve the desired finish for your specific application. Experiment on a test surface to find the optimal settings.

**360° Adjustable
Spray Pattern
(Both Flow & Shape
Can Be Adjusted)**



Normal

Fully Open

Close

Image: Examples of spray patterns from the Wokyo F-75G spray gun, showing normal, fully open, and close patterns, demonstrating the 360-degree adjustable spray capability.

MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and performance of your spray gun:

1. **Immediate Cleaning:** After each use, immediately clean the spray gun. Disconnect the air supply and empty any remaining paint from the pot.
2. **Flush with Solvent:** Fill the paint pot with an appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for water-based paints) and spray it through the gun until it runs clear.
3. **Disassemble and Clean Nozzle:** The nozzle can be removed for thorough cleaning. Use a brush and solvent to clean the nozzle, air cap, and fluid tip. Ensure all paint residue is removed from the porous design to prevent blockages.
4. **Clean Paint Pot:** Wash the paint pot thoroughly with solvent and a brush.
5. **Lubricate:** Apply a small amount of spray gun lubricant to moving parts and threads as needed.
6. **Storage:** Store the clean and dry spray gun in a safe place, protected from dust and damage.

TROUBLESHOOTING

If you encounter issues with your spray gun, consider the following common problems and solutions:

- **Uneven Spray Pattern:**

- Check for clogged air cap holes or fluid tip. Clean thoroughly.
- Ensure consistent air pressure.
- Verify paint viscosity is appropriate for spraying.

- **No Paint Flow:**

- Check if the fluid needle is stuck or clogged.
- Ensure paint pot is properly attached and contains paint.
- Verify air supply is connected and pressure is adequate.

- **Excessive Overspray:**

- Reduce air pressure.
- Increase fluid flow.
- Adjust spray distance closer to the surface (within recommended range).

- **Paint Leaking:**

- Check for loose connections on the paint pot or fluid tip.
- Inspect seals and O-rings for damage and replace if necessary.

If problems persist after attempting these solutions, contact customer support for further assistance.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Wokyo F-75G HVLP Gravity Feed Air Spray Gun, please refer to the product packaging or contact Wokyo customer service directly. Keep your purchase receipt as proof of purchase.