

AP Astro EUROHV107

AP Astro EUROHV107 EuroPro Forged HVLP Spray Gun Instruction Manual

Model: EUROHV107 with 1.7mm Nozzle

1. INTRODUCTION

Thank you for choosing the AP Astro EUROHV107 EuroPro Forged HVLP Spray Gun. This high-volume, low-pressure (HVLP) spray gun is designed for efficient and precise application of various coatings, offering a high transfer efficiency rate of 86%. Its durable and lightweight construction ensures smooth operation for a variety of painting tasks. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your spray gun.

2. IMPORTANT SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury and ensure proper operation:

- Always wear appropriate protective clothing, including gloves and eye/face protection.
- Use the spray gun in a well-ventilated area to avoid inhaling fumes.
- Do not point the spray gun at people or animals.
- Maintain a safe distance from the spray pattern during operation.
- Avoid inhaling spray mist. Use respiratory protection if necessary.
- Clean the spray gun thoroughly after each use and store it properly in a safe location.
- Do not use the spray gun if the air pressure exceeds 29 psi (2.0 bar, 0.2 MPa).
- Always follow the manufacturer's instructions for safe operation and maintenance of both the spray gun and the coating materials being used.

3. PRODUCT OVERVIEW

The AP Astro EUROHV107 is a High-Volume Low-Pressure (HVLP) spray gun designed for professional and DIY painting applications. It features a forged body for durability and precise controls for optimal spray patterns.



Figure 1: Astro Pneumatic Tool EUROHV107 EuroPro Forged HVLP Spray Gun. This image shows the complete spray gun assembly, including the green gun body, silver trigger, and white plastic cup attached at the top. The gun features 'Astro' branding on the handle and

'EuroPro HVLP' on the side, indicating its high-efficiency design. The air inlet is visible at the bottom of the handle, designed for an air pressure of 29 PSI (2.0 bar, 0.2 MPa).

Key Components:

- **Gun Body:** Forged construction for durability.
- **Fluid Nozzle (1.7mm):** Controls the flow of paint.
- **Air Cap:** Shapes the spray pattern.
- **Plastic Cup (600ml):** Holds the paint material.
- **Trigger:** Activates air and fluid flow.
- **Fluid Adjustment Knob:** Regulates the amount of paint sprayed.
- **Fan Pattern Adjustment Knob:** Controls the width of the spray pattern.
- **Air Inlet:** Connects to the air compressor.

4. SETUP

4.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the spray gun for any signs of damage during shipping. Do not use if damaged.
3. Ensure all components listed in the product overview are present.

4.2 Attaching the Plastic Cup

- Ensure the plastic cup is clean and free of debris.
- Thread the plastic cup onto the spray gun body securely. Hand-tighten only to prevent damage.

4.3 Connecting Air Supply

- Connect an air hose (not included) to the air inlet at the bottom of the gun handle.
- Ensure your air compressor is capable of providing the required air consumption (9-10 CFM) and that the operating pressure is set to 29 psi (2.0 bar, 0.2 MPa).
- It is recommended to use an air filter/regulator to ensure clean, dry air at the correct pressure.

5. OPERATING INSTRUCTIONS

5.1 Preparing Paint Material

- Prepare your paint material according to the paint manufacturer's specifications for HVLP spray guns. Proper thinning is crucial for optimal performance.
- Strain the paint material to remove any particles that could clog the nozzle.
- Pour the prepared paint into the 600ml plastic cup. Do not overfill.

5.2 Adjusting the Spray Gun

- **Fluid Adjustment:** Turn the fluid adjustment knob (at the back of the gun) clockwise to decrease fluid flow, counter-clockwise to increase.
- **Fan Pattern Adjustment:** Turn the fan pattern adjustment knob (on the side of the gun) to adjust the spray pattern from round to wide fan. The maximum pattern at 4"-7" distance is 9"-10.25".
- **Air Pressure:** Ensure the air pressure at the gun is maintained at 29 psi (2.0 bar, 0.2 MPa) for optimal atomization and transfer efficiency.

5.3 Spraying Technique

1. Always test the spray pattern on a piece of scrap material before painting your actual workpiece. Adjust settings as needed.
2. Hold the spray gun perpendicular to the surface, maintaining a consistent distance (typically 4-7 inches).
3. Move the gun at a steady, even pace across the surface, overlapping each pass by approximately 50%.
4. Release the trigger at the end of each pass to avoid excessive build-up.
5. Apply multiple thin coats rather than one thick coat for a smoother finish and to prevent runs or sags.

6. MAINTENANCE

Proper cleaning and maintenance are essential for the longevity and performance of your spray gun.

6.1 Cleaning After Each Use

1. Disconnect the air supply from the gun.
2. Empty any remaining paint from the cup. Clean the cup thoroughly with an appropriate cleaning solvent.
3. Pour a small amount of clean solvent into the cup and spray it through the gun until it runs clear.
4. Remove the air cap and clean it with a brush and solvent. Ensure all holes are clear.
5. Remove the fluid nozzle and needle. Clean them thoroughly with solvent and a small brush. Do not use metal objects to clean the nozzle or air cap holes, as this can damage them.
6. Wipe down the exterior of the gun body.

6.2 Reassembly and Storage

- Reassemble all components, ensuring they are hand-tightened.
- Apply a small amount of lubricant (e.g., spray gun grease) to moving parts like the needle packing and trigger pivot.
- Store the spray gun in a clean, dry place, away from extreme temperatures and direct sunlight.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your spray gun.

Problem	Possible Cause	Solution
Uneven or Pulsating Spray	Clogged air cap or fluid nozzle; insufficient air pressure; loose fluid nozzle.	Clean air cap and nozzle; check air pressure (29 psi); tighten fluid nozzle.
Paint Sputtering	Low paint level in cup; air leak in cup or connections; clogged vent hole in cup lid.	Refill cup; check and tighten all connections; clean cup lid vent.
Excessive Overspray	Too high air pressure; gun held too far from surface; paint too thin.	Reduce air pressure to 29 psi; hold gun closer (4-7 inches); adjust paint viscosity.
Poor Atomization	Insufficient air pressure; paint too thick; clogged air cap.	Increase air pressure to 29 psi; thin paint as per manufacturer; clean air cap.

8. SPECIFICATIONS

Brand	AP Astro
Model Name	EUROHV107

Nozzle Size	1.7mm
Cup Capacity	600 Milliliters
Operation Pressure	29 psi (2.0 bar, 0.2 MPa)
Avg. Air Consumption	9-10 CFM
Max. Pattern at 4"-7"	9"-10.25"
Transfer Efficiency	86%
Material	Stainless Steel
Item Weight	1 Pound
Item Dimensions (W x H)	5" x 6"
Power Source	Manual (Air-powered)
UPC	745227014163

9. WARRANTY INFORMATION

The AP Astro EUROHV107 EuroPro Forged HVLP Spray Gun comes with a **1-year warranty** covering material and workmanship defects from the date of purchase. This warranty does not cover damage resulting from misuse, abuse, normal wear and tear, or unauthorized repairs. Please retain your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, replacement parts, or warranty inquiries, please contact AP Astro customer service. Refer to the product packaging or the official AP Astro website for the most current contact information.

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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you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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