Auarita H-887P

Auarita HVLP H-887P Spray Gun User Manual

Model: H-887P | Brand: Auarita

1. Safety Warnings

Before operating the Auarita HVLP H-887P spray gun, please read and understand all safety instructions. Failure to follow these warnings may result in serious injury or property damage.

- **Ventilation:** Always use the product in a well-ventilated area to prevent inhalation of paint fumes.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, gloves, and a respirator, to protect eyes, skin, and respiratory system from paint and solvents.
- **Skin and Eye Contact:** Avoid direct contact with skin and eyes. In case of contact, flush immediately with plenty of water and seek medical attention if irritation persists.
- **Keep Out of Reach of Children:** Store the spray gun and all painting materials out of the reach of children and pets.
- **Flammable Materials:** Many paints and solvents are flammable. Keep the spray gun away from open flames, sparks, and other ignition sources. Do not smoke while operating.
- **Material Compatibility:** Follow standard safety precautions for painting with various materials such as acrylics, metallic and pearlescent varnishes, acrylic primers, spray putties, and automotive water-based paints.
- **Air Pressure:** Do not exceed the recommended operating pressure. Refer to the specifications section for details.
- **Cleaning:** Always disconnect the air supply before cleaning or performing maintenance on the spray gun.

2. Product Overview

The Auarita HVLP H-887P is a High Volume Low Pressure (HVLP) spray gun designed for efficient and uniform application of various coatings. HVLP technology offers significant material savings compared to traditional High Pressure (HP) systems, reducing paint consumption by up to 30%. This makes it an excellent choice for painting steel structures, tools, and furniture, providing a smooth and even finish.

Image 2.1: The Auarita HVLP H-887P spray gun shown with its packaging, highlighting its professional quality and design.

Key Features:

- **HVLP Technology:** Ensures high transfer efficiency and reduced overspray, leading to material savings.
- **2.5 mm Nozzle:** Suitable for a wide range of materials, including heavier coatings.
- **600 ml Capacity Cup:** Provides ample capacity for various painting tasks.
- **Three Adjustment Modes:** Allows precise control over paint quantity, flow, and air pressure.
- **Durable Construction:** Made with alloy steel for longevity and reliable performance.

3. Setup and Assembly

Proper setup is crucial for optimal performance and safety. Follow these steps to prepare your spray gun for use.

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present.
2. **Attach Air Inlet:** Connect the quick-connect fitting (if included) to the air inlet at the bottom of the spray gun handle. Ensure a secure, airtight connection.

Image 3.1: Close-up of the spray gun's air inlet at the base of the handle, where the air hose connects.

3. **Assemble Nozzle and Air Cap:** Ensure the fluid nozzle, needle, and air cap are correctly assembled and tightened. The 2.5mm nozzle is pre-installed.

Image 3.2: Exploded view of the nozzle assembly, showing the air cap, fluid nozzle, and needle, ready for assembly or cleaning.

4. **Attach Paint Cup:** Securely screw the 600ml paint cup onto the top of the spray gun. Ensure the seal is tight to prevent leaks.

Image 3.3: The Auarita H-887P spray gun with the 600ml paint cup securely attached to the top.

5. **Connect Air Hose:** Connect your air compressor hose to the quick-connect fitting on the spray gun. Ensure the compressor is off or regulated to zero pressure during connection.
6. **Prepare Paint Material:** Mix and thin your paint material according to the manufacturer's instructions. Strain the paint to remove any particles that could clog the nozzle.
7. **Fill Paint Cup:** Pour the prepared paint material into the 600ml cup. Do not overfill.

4. Operating Instructions

The Auarita HVLP H-887P offers precise control for various painting applications.

4.1. Adjustments

This spray gun features three main adjustment controls:

- **Fluid Control Knob (Paint Quantity):** Located at the rear of the gun, this knob adjusts the amount of paint released. Turn clockwise to decrease paint flow, counter-clockwise to increase.
- **Fan Pattern Control Knob (Spray Pattern):** Typically located on the side of the gun, this knob adjusts the shape of the spray pattern from a round spot to a wide fan. Turn to achieve the desired pattern.
- **Air Pressure Control Knob:** Often located at the bottom or side, this knob regulates the air pressure delivered to the gun. Adjust according to paint viscosity and desired finish. Recommended operating pressure is 3-4 bars.

Image 4.1: Side view of the Auarita H-887P spray gun, illustrating the location of the fluid control, fan pattern control, and air pressure adjustment knobs.

4.2. Spraying Technique

1. **Test Spray:** Always perform a test spray on a scrap piece of material to fine-tune your adjustments

before painting your actual workpiece.

2. **Distance:** Maintain a consistent distance of approximately 6-8 inches (15-20 cm) from the surface.
3. **Movement:** Use smooth, even strokes, moving your entire arm rather than just your wrist. Overlap each pass by about 50% to ensure even coverage.
4. **Trigger Control:** Fully depress the trigger for each pass and release it at the end of the pass. Avoid feathering the trigger.
5. **Coats:** Apply multiple thin coats rather than one thick coat to prevent runs and sags, allowing adequate drying time between coats.

5. Maintenance and Cleaning

Regular cleaning and maintenance will extend the life of your spray gun and ensure consistent performance. Clean the gun immediately after each use.

1. **Empty Paint Cup:** Pour any remaining paint back into its original container.
2. **Initial Rinse:** Add a small amount of appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for water-based paints) to the paint cup. Spray through the gun into a waste container until the solvent runs clear.
3. **Disassemble:** Disconnect the air supply. Carefully disassemble the air cap, fluid nozzle, and needle.

Image 5.1: Detailed view of the spray gun's nozzle and air cap, which require thorough cleaning after each use.

4. **Clean Components:** Use a cleaning brush and appropriate solvent to thoroughly clean the paint cup, air cap, fluid nozzle, and needle. Pay close attention to small holes and passages. Do not use metal objects to clean the nozzle or air cap, as this can damage them.
5. **Clean Gun Body:** Wipe down the exterior of the gun body with a solvent-dampened cloth. Avoid immersing the entire gun in solvent.
6. **Lubrication:** Apply a small amount of spray gun lubricant to the needle packing and air valve packing after cleaning to ensure smooth operation.
7. **Reassemble:** Reassemble the spray gun components, ensuring they are properly seated and tightened.
8. **Storage:** Store the clean and dry spray gun in a safe, dry place.

6. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Pulsating or inconsistent spray	• Low air pressure • Clogged fluid nozzle or air cap • Loose fluid nozzle or air cap • Insufficient paint in cup	• Increase air pressure to 3-4 bars • Clean nozzle and air cap thoroughly • Tighten components • Refill paint cup
Uneven spray pattern (heavy on one side)	• Partially clogged air cap horn • Damaged air cap	• Clean air cap horns • Replace air cap if damaged
No paint flow	• Clogged fluid nozzle • Fluid control knob closed • Paint too thick • Air vent in cup lid blocked	• Clean fluid nozzle • Open fluid control knob • Thin paint according to manufacturer's instructions • Clear air vent
Excessive overspray	• Air pressure too high • Gun too far from surface • Paint too thin	• Reduce air pressure • Move gun closer to surface • Adjust paint viscosity

7. Technical Specifications

Detailed specifications for the Auarita HVLP H-887P spray gun:

Feature	Specification
Model	H-887P
Nozzle Size	2.5 mm
Technology	HVLP (High Volume Low Pressure)
Tank Capacity	600 ml
Air Consumption	170-300 l/min
Operating Pressure	3-4 bars
Product Dimensions (L x W x H)	27 x 16 x 19 cm
Item Weight	2 Kilograms
Material	Alloy Steel
Power Source	Pneumatic (Requires air compressor)
Included Components	Quick connection kit, various nozzle types

8. Warranty and Support

Information regarding specific warranty terms for the Auarita HVLP H-887P spray gun is not provided in this manual. For warranty details, technical support, or to inquire about spare parts, please contact your retailer or the manufacturer directly.

- **Manufacturer:** Kastor
- **Model Number:** H-887P
- **ASIN:** B07PS475WT

Always refer to the official Auarita website or your purchase documentation for the most current support information.