Batavia BSG0140-ULTRA

BATAVIA HVLP Electric Spray Paint Gun BSG0140-ULTRA Instruction Manual

Brand: Batavia | Model: BSG0140-ULTRA

1. Important Safety Information

WARNING: Always read and understand all instructions before operating this paint sprayer. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Practice on a scrap material before use to familiarize yourself with the sprayer's operation.
- Ensure objects are clean before spraying to achieve optimal results.
- Read all operating instructions and safety precautions provided in the full manual.
- Avoid direct exposure to pressurized liquid and chemical substances. Always wear appropriate personal protective equipment (PPE) such as masks, gloves, and eye protection.
- Ensure adequate ventilation when working in enclosed spaces.
- Keep children and pets away from the work area.
- Always disconnect the power supply before cleaning or performing maintenance.

2. Product Overview and Components

The BATAVIA HVLP Electric Spray Paint Gun (Model BSG0140-ULTRA) is designed for efficient and precise paint application on various surfaces. It features a 500W motor, a 1200ml container, and multiple nozzle sizes for different paint types and projects.

Figure 2.1: Main components of the BATAVIA Maxxspray paint gun, including the quick release head, nozzle, air cap, external check valve, adjustable knob, quick release lock, soft grip, and easy-to-go container. Accessories like cleaning brush, container sealing pad, viscosity cup, various nozzles (3.0mm, 2.0mm, 1.5mm), check valve, spare external check valve, and cleaning needle are also shown.

Included Components:

- 1 x Paint Sprayer
- 1 x Cleaning Needle
- 1 x Cleaning Brush
- 4 x Nozzles (1.5mm, 2.0mm, 2.5mm, 3.0mm)
- 1 x Viscosity Measuring Cup
- 1 x Extra Container Sealing Pad
- 2 x Check Valve Sleeve
- 3 x Umbrella Valve
- 1 x Instruction Manual

3. Setup and Preparation

3.1 Nozzle Selection

Choose the appropriate nozzle size based on the paint type and desired finish. Refer to the table below for recommendations:

Figure 3.1: Chart detailing nozzle sizes (1.5mm, 2.0mm, 2.5mm, 3.0mm), recommended materials (sealers, stains, enamel, varnish, dyes, polyurethane, chalk paint, milk type paint, low viscosity primer, latex wall paint), viscosity ranges (30Din-s to 70-80Din-s), and suitable projects (tables, chairs, bicycles, shutters, cabinets, wooden artwork, models, railings, multiframes, window frames, pipes, boats, yards, furniture, garage doors, metal garden fences, doors, internal walls, wooden garden fences, wooden piles, corridors, external walls, outdoor floors, sports field lines).

- **1.5mm** / **2.0mm Nozzles:** Ideal for thin paints like sealers, stains, varnishes, and dyes.
- **2.5mm** / **3.0mm Nozzles:** Suitable for thicker paints such as latex, chalk paint, and low viscosity primers.

To change the nozzle, unscrew the air cap, remove the current nozzle, insert the new one, and re-attach the air cap securely.

3.2 Paint Preparation

1. **Dilute Paint:** Use the included viscosity measuring cup to ensure your paint is thinned to the correct consistency. Refer to your paint manufacturer's recommendations for thinning ratios. The sprayer handles max viscosity up to 100-DINs.
2. **Filter Paint:** Filter the diluted paint using a paint strainer (e.g., 190 micron filter) before pouring it into the container. This helps prevent clogging and ensures a smooth spray.

Figure 3.2: Illustrates the process of thinning paint and pouring it into the sprayer's container, emphasizing the use of a viscosity cup.

3.3 Assembling the Spray Gun

1. **Attach Container:** Screw the 1200ml container onto the spray gun body until secure.
2. **Suction Tube Orientation:** Adjust the suction tube based on your spraying direction:
    - For **downward spraying**, point the curved end of the pickup tube towards the front of the gun.
    - For **upward spraying**, point the curved end of the pickup tube towards the rear of the gun.

Figure 3.3: Visual guide for positioning the suction tube to optimize paint usage and reduce refills, depending on whether you are spraying upwards or downwards.

4. Operating the Spray Gun

4.1 Adjusting Spray Pattern and Flow

1. **Spray Pattern:** Rotate the air cap to select your desired spray pattern:
    - **Horizontal:** For vertical movement.
    - **Vertical:** For horizontal movement.
    - **Circular:** For detailed work or small areas.

2. **Flow Control:** Use the control valve knob to precisely regulate the paint output thickness and flow rate. Adjust to minimize overspray and save paint.

Figure 4.1: Shows the three available spray patterns (horizontal 90°, circular 45°, vertical 180°) and the adjustable flow control for precise paint application.

4.2 Spraying Technique

1. **Test Spray:** Always perform a test spray on a piece of cardboard or scrap material to check the pattern and flow before applying to your project.
2. **Distance:** Maintain an optimal spray distance of 6-8 inches from the surface. This can vary slightly depending on the pattern size desired (2 to 11 inches). A hand's length is usually a good distance.
3. **Movement:** Hold the spray gun straight and parallel to the surface. Move the gun in full, even passes, avoiding short, jerky motions or flexing your wrist, which can lead to an uneven coating.
4. **Overlap:** Overlap each pass slightly (approximately 50%) to ensure consistent coverage and a professional finish.
5. **Coats:** Apply a thin coat on the first pass and allow it to dry. Then, apply a second, slightly heavier coat for full coverage.
6. **Nozzle Cleaning:** Periodically wipe any paint from the nozzle during use to prevent drying and clogging.

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Video 4.1: Demonstrates how to paint effectively with the Maxxspray, covering proper technique, distance, and movement for various surfaces.

5. Maintenance and Cleaning

Proper cleaning immediately after each use is crucial to ensure the longevity and optimal performance of your paint sprayer.

5.1 Initial Cleaning Steps

1. **Unplug:** Always disconnect the power cord from the outlet.
2. **Release Pressure:** Press the trigger to allow any remaining material in the spray gun to flow back into the container.
3. **Empty Container:** Unscrew the container and pour any remaining paint back into its original can.
4. **Initial Rinse:** Pour a small amount of appropriate cleaning solution (water for water-based paints, solvent for oil-based paints) into the container. Swirl it around and discard.

5.2 Detailed Cleaning

1. **Disassemble:** Unscrew the front part of the gun (nozzle, air cap, suction tube) for thorough cleaning.
2. **Clean Components:** Use the provided cleaning brush and needle to clean the container, suction tube, air cap, and nozzle. Rinse all parts thoroughly with water or appropriate cleaning solution.
3. **Flush Gun:** Refill the container with clean cleaning solution and re-attach it to the gun. Plug in the sprayer and spray the cleaning solution outdoors or into a waste container until it runs clear.
4. **Clean Air Filter:** Inspect the air filter in the air compressor (at the rear of the gun). If dirty, remove it, clean it with a brush or rinse it, and allow it to dry completely before re-inserting.
5. **Wipe Exterior:** Wipe the exterior of the container and the gun body clean with a damp cloth.

Figure 5.1: Demonstrates the detachable parts of the sprayer and the ease of cleaning them using the provided brush and needle under running water.

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Video 5.1: Provides a step-by-step guide on how to clean the Maxxspray paint gun thoroughly after use, ensuring all components are free of paint residue.

6. Troubleshooting

Problem	Possible Cause	Solution
No spray or weak spray	Nozzle clogged, paint too thick, suction tube blocked, air filter dirty.	Clean nozzle and air cap. Thin paint to correct viscosity. Clear suction tube. Clean or replace air filter.
Uneven spray pattern	Incorrect nozzle selection, improper spray technique (flexing wrist), clogged air cap.	Select correct nozzle for paint type. Maintain consistent distance and parallel movement. Clean air cap.
Paint runs or sags	Paint too thin, too much paint applied, spraying too close to surface, moving too slowly.	Adjust paint viscosity. Apply thinner coats. Increase spray distance. Move the gun faster.
Excessive overspray	Spraying too far from surface, too high flow rate, paint too thin.	Reduce spray distance. Decrease flow rate. Adjust paint viscosity.

7. Technical Specifications

Feature	Detail
Brand	Batavia
Model Name	BSG0140-ULTRA
Power Source	AC (Corded Electric)
Power Consumption	500W
Tank Volume	1200 Milliliters
Max Flow	900 ML/MIN
Max Viscosity	100 DIN-s
Nozzle Sizes	1.5mm, 2.0mm, 2.5mm, 3.0mm
Material	Polypropylene (PP)
Color	Grey+Black
Item Dimensions W x H	9"W x 10"H
Certifications	ETL Certified

8. Warranty and Support

The BATAVIA HVLP Electric Spray Paint Gun comes with an**18-month warranty service**. We are committed to product quality and safety, as evidenced by its ETL certification.
For any questions or support needs, please contact our customer service. We offer**quick customer service within 24 hours** and are always here to assist you.