



Manuals.plus /

› Master Airbrush /

› Master Airbrush G44 Dual-Action Gravity Feed Airbrush Instruction Manual

Master Airbrush MAS G44

Master Airbrush G44 Dual-Action Gravity Feed Airbrush Instruction Manual

Model: MAS G44

Brand: Master Airbrush

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Master Airbrush G44 Dual-Action Gravity Feed Airbrush. Designed for high-precision detail control, this airbrush is suitable for a variety of applications requiring accurate spray control.

PRODUCT FEATURES

- **High Precision Detail Control:** Excellent for applications requiring accurate spray control for highly detailed work.
- **0.2mm Needle/Nozzle:** Features a 4-piece matched airbrush head system with a 0.2mm needle and nozzle for fine lines.
- **1/3 oz Funnel Fluid Cup:** Gravity feed design for efficient paint flow.
- **Air Control Valve:** Located at the head of the airbrush for micro-fine spray control.
- **Quick Flush Cutaway Handle:** Allows for easy access to the needle chucking nut for quick cleaning and maintenance.
- **Preset Fluid Control Knob:** Enables setting the needle travel for consistent line width.
- **Ergonomic Trigger:** Designed for comfortable and precise operation.

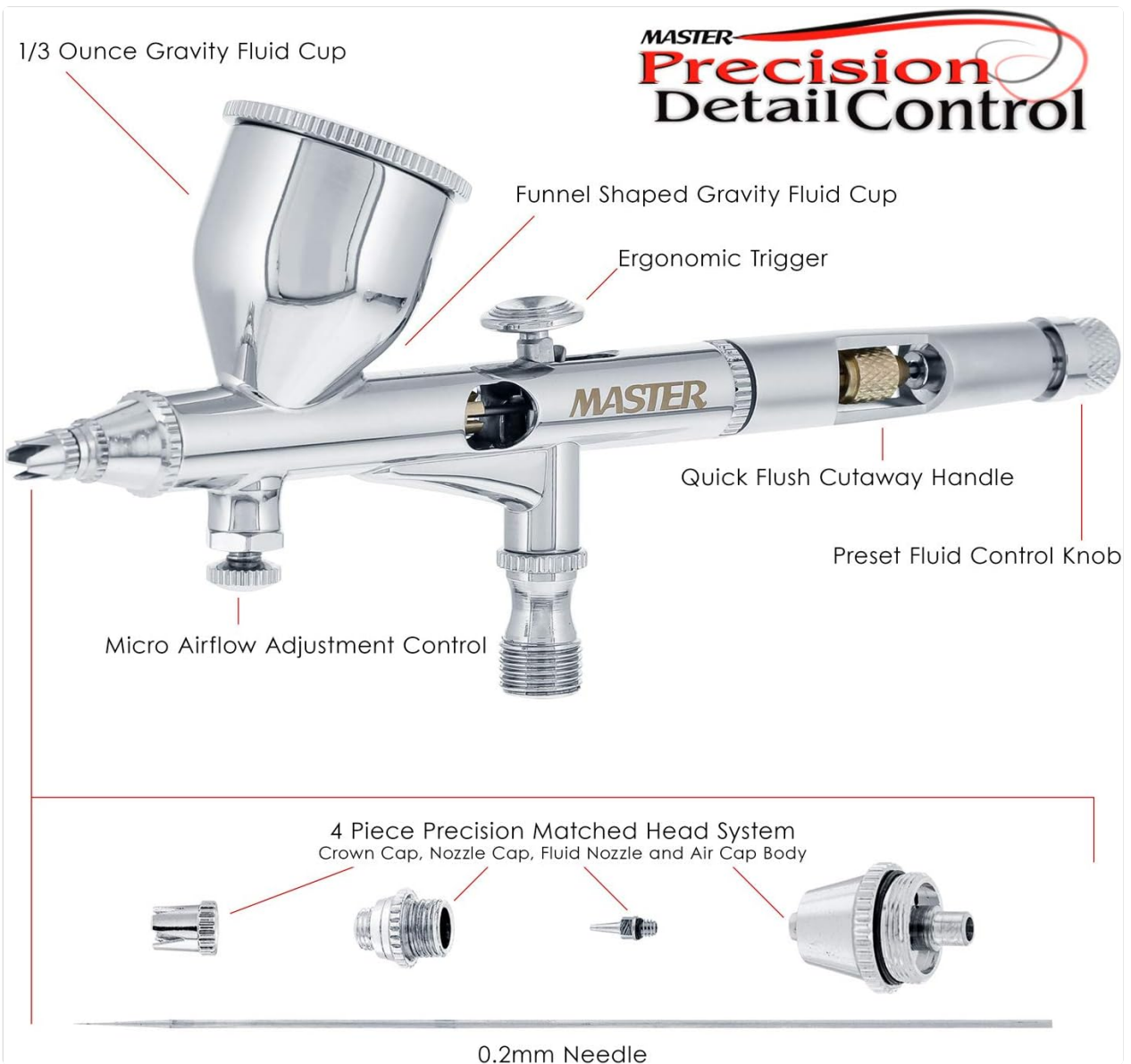


Figure 1: Master Airbrush G44 labeled components. This image highlights the key parts of the airbrush including the fluid cup, trigger, air control, fluid control, and the precision head system with a 0.2mm needle.

COMMON AIRBRUSHING APPLICATIONS



AUTOMOTIVE



NAILS & COSMETICS



ILLUSTRATION

HOBBIES & CRAFT



Figure 2: Examples of common applications for the Master Airbrush G44, such as automotive and motorcycle graphics, fine art, nail art, and illustration.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the 'Included Components' section are present.
2. **Head System Assembly:** Ensure the 4-piece precision matched head system (crown cap, nozzle cap, fluid nozzle, and air cap body) is correctly assembled and securely tightened. Refer to Figure 3 for an exploded view of the head system.
3. **Needle Installation:** Gently insert the 0.2mm needle through the rear of the airbrush body until it seats properly in the fluid nozzle. Secure it with the needle chucking nut.
4. **Connect Air Source:** Attach your air hose to the airbrush's air inlet. Ensure a secure connection to prevent air leaks.
5. **Prepare Paint:** Thin your paint to the appropriate consistency for airbrushing. The G44 is designed for thinned or low viscosity materials.



Figure 3: Exploded view of the Master Airbrush G44, illustrating the various parts and their arrangement for assembly and maintenance.

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Video 1: Master Airbrush G44 Overview. This video provides a visual guide to the components and basic assembly of the G44 airbrush.

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Video 2: G44 Exploded View. A detailed visual breakdown of the G44 airbrush components, useful for understanding assembly and disassembly.

OPERATING INSTRUCTIONS

1. **Fill Fluid Cup:** Pour your prepared paint into the 1/3 oz gravity feed fluid cup.
2. **Adjust Air Pressure:** Set your compressor to the desired air pressure. The air control valve on the airbrush allows for micro-adjustments.
3. **Dual-Action Trigger:**
 - Press down on the trigger for air flow.
 - Pull back on the trigger for paint flow.
 - The further you pull back, the more paint is released.

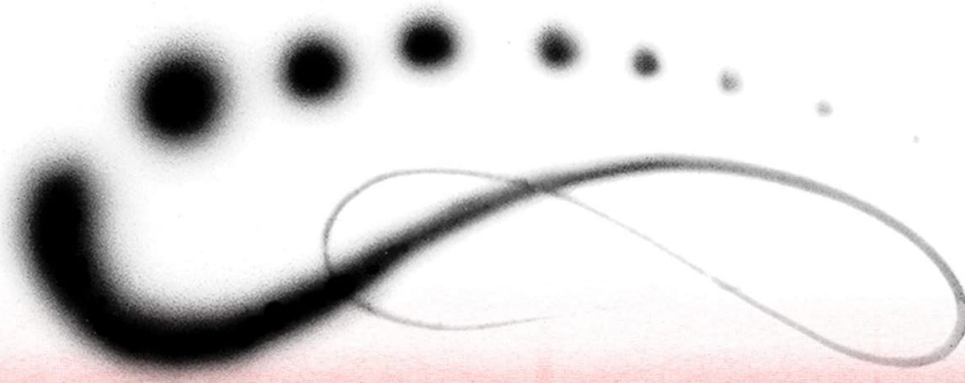
4. **Preset Fluid Control:** Use the preset fluid control knob at the rear of the airbrush to limit the needle's backward travel, allowing for consistent line widths without over-pulling the trigger.
5. **Spray Pattern:** Practice on a scrap surface to achieve the desired spray pattern. The 0.2mm tip is ideal for ultra-fine detail lines up to 1 inch.

MASTER
Precision
DetailControl

MODEL G44

PROVIDES EXTREME ATOMIZATION & AIR CONTROL!

Superior atomizing airbrush that's ideal for applications where extremely accurate spray control is required to do highly detailed work



FLUID TIP SIZE - 0.2 mm Needle and Nozzle Head Set

SPRAY PATTERN - Ultra-Fine Detail Lines to Lines Up to 1"

SPRAY & COLOR MEDIA - Thinned or Low Viscosity Materials

AIRBRUSH REBUILD KIT, REPLACEMENT NEEDLE AND NOZZLE HEAD SETS ARE AVAILABLE *(Not Included - Sold Separately)*

Figure 4: Illustration of the spray patterns achievable with the G44 airbrush, ranging from ultra-fine detail to lines up to 1 inch, suitable for thinned or low viscosity materials.



Figure 5: A user demonstrating the precise control of the Master Airbrush G44 during a detailed painting application.

MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and optimal performance of your airbrush. Clean your airbrush thoroughly after each use.

1. **Initial Flush:** Empty any remaining paint from the fluid cup. Add a small amount of appropriate cleaning solution (e.g., airbrush cleaner, water for water-based paints) to the cup and spray it through the airbrush until clear.
2. **Back Flushing:** Place your finger over the air cap to block the air flow, then press down for air and pull back the trigger. This will force air back into the fluid cup, bubbling and cleaning the inside. Repeat with fresh cleaning solution.
3. **Disassembly for Deep Cleaning:** For thorough cleaning, disassemble the airbrush. Refer to Figure 3 (Exploded View) and Video 2 for guidance.
 - Remove the needle chucking nut and gently pull out the needle from the rear.
 - Unscrew the crown cap, nozzle cap, and air cap body. Carefully remove the fluid nozzle.
 - Clean all components with appropriate cleaning solutions and soft brushes. Pay special attention to

the fluid nozzle and needle tip.

4. **Reassembly:** Reassemble the airbrush in reverse order, ensuring all parts are clean and properly seated. Be careful not to overtighten components, especially the fluid nozzle, to avoid damage.
5. **Lubrication:** Apply a small amount of airbrush-specific lubricant to the needle and trigger mechanism periodically to ensure smooth operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No paint flow	Clogged nozzle, bent needle, paint too thick, air cap blocked	Clean nozzle, straighten/replace needle, thin paint, clear air cap
Sputtering/Uneven spray	Partial clog, loose nozzle, damaged needle tip, insufficient air pressure	Thoroughly clean, tighten nozzle, inspect/replace needle, increase air pressure
Air bubbles in fluid cup	Loose fluid nozzle, damaged fluid nozzle, dirty air cap	Tighten fluid nozzle, replace fluid nozzle, clean air cap
Trigger sticking	Dried paint in mechanism, lack of lubrication	Disassemble and clean trigger area, apply airbrush lubricant

SPECIFICATIONS

- **Brand:** Master Airbrush
- **Model Name:** High Precision Detail Control G44 Dual-Action Gravity Feed Airbrush
- **Item Model Number:** MAS G44
- **Tip Size:** 0.2 mm
- **Fluid Cup:** 1/3 oz (9 Cubic Centimeters) Funnel Gravity Feed
- **Action:** Dual-Action
- **Air Control:** Micro Airflow Adjustment Control Valve
- **Fluid Control:** Preset Fluid Control Knob
- **Material:** Plastic (components), Chrome-plated body
- **Color:** Silver
- **Power Source:** Hand Powered (requires external air compressor)
- **Maximum Pressure:** 50 Pound per Square Inch
- **Product Dimensions:** 3.6 x 1.2 x 6.9 inches
- **Item Weight:** 7.4 ounces
- **Included Components:** Nozzle wrench, airbrush guide, molded plastic storage case
- **GTIN/UPC:** 844925038126, 844825090354

SAFETY INFORMATION

Please observe the following safety guidelines when using your airbrush:

- Avoid eye contact with paint or cleaning solutions.

- Do not ingest paint or cleaning solutions.
- Use in a well-ventilated area to prevent inhalation of fumes.
- Keep out of reach of children.
- Always follow manufacturer instructions for proper handling and storage of paints and cleaning agents.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Master Airbrush G44, please refer to the documentation included with your purchase or visit the official Master Airbrush website. Keep your purchase receipt as proof of purchase.