

Dynastus 232013

Dynastus Siphon Feed Detail Spray Gun Instruction Manual

Model: 232013

1. INTRODUCTION

Thank you for choosing the Dynastus Siphon Feed Detail Spray Gun. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new spray gun. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Always wear appropriate safety gear, including gloves and eye protection. Keep the sprayer away from heat sources and never point it at people or animals. Always follow the manufacturer's guidelines for air pressure and maintenance. Dispose of materials according to local regulations.

- Ensure adequate ventilation when spraying.
- Do not spray flammable materials near open flames or ignition sources.
- Always disconnect the air supply before cleaning, adjusting, or performing maintenance.
- Keep children and pets away from the work area.
- Use only compatible materials and thinners as recommended by the paint manufacturer.

3. PRODUCT OVERVIEW AND FEATURES

The Dynastus Siphon Feed Detail Spray Gun is designed for precision work, including detail painting, touch-ups, and small painting projects. Its compact design and adjustable controls allow for a full-size spray pattern, accommodating light to medium-viscosity materials.

Key Features:

- Compact 200 CC capacity design.
- Adjustable fluid and pattern controls for precise paint finish.
- Precision ground brass nozzle (1.6 mm).
- Durable stainless steel needle.
- Nickel-plated aluminum alloy body for easier cleanup and maintenance.
- Top-mounted trigger for comfortable operation.
- Comes complete with a cleaning brush set and multi-wrench.

4. COMPONENTS

Familiarize yourself with the parts of your Dynastus Siphon Feed Detail Spray Gun:

Fan

Direction Change

Pattern

Setting

Fluid

Setting

**Adjustable Control
for Precise Finish**

Figure 1: Dynastus Siphon Feed Detail Spray Gun with labeled controls for Fan Direction Change, Pattern Setting, and Fluid Setting. This image illustrates the primary adjustment points on the spray gun body.

- **Spray Gun Body:** Main housing with trigger, air inlet, and control knobs.
- **Fluid Control Knob:** Adjusts the amount of paint flowing through the nozzle.
- **Pattern Control Knob:** Adjusts the width of the spray pattern.
- **Fan Direction Change Nozzle:** Allows adjustment of the spray fan orientation (horizontal or vertical).
- **Nozzle:** Precision ground brass nozzle (1.6 mm).
- **Needle:** Stainless steel needle, controls fluid flow.
- **Air Inlet:** 1/4" NPT connection for air hose.
- **Siphon Feed Cup:** 200 ML anti-drip aluminum cup for holding paint.
- **Siphon Tube:** Draws paint from the cup to the gun.
- **Accessories:** Cleaning brush set, multi-wrench.

5.1 Assembly

- ## 5.2 Connecting to Air Supply

1. Connect an air hose (not included) to the 1/4" NPT air inlet on the spray gun.

2. Ensure the air compressor is set to the recommended operating pressure of 40-50 PSI. The maximum pressure is 50 PSI.
3. Check all connections for leaks before proceeding.

5.3 Preparing Paint Material

1. Thoroughly mix your paint material according to the manufacturer's instructions.
2. Strain the paint to remove any particles that could clog the nozzle.
3. Pour the prepared paint into the 200 ML siphon feed cup. Do not overfill.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Controls

- **Fluid Control:** Turn the fluid control knob (see Figure 1) to adjust the amount of paint released. Turn clockwise for less fluid, counter-clockwise for more.
- **Pattern Control:** Turn the pattern control knob (see Figure 1) to adjust the width of the spray pattern. Turn clockwise for a narrower pattern, counter-clockwise for a wider pattern.
- **Fan Direction:** Rotate the fan direction change nozzle (see Figure 1) to switch between a horizontal or vertical spray pattern, depending on your application.

6.2 Testing the Spray Pattern

Before painting your actual project, always test the spray pattern on a piece of scrap material. Adjust the fluid and pattern controls until you achieve a consistent and even spray.

6.3 Spraying Technique

- Hold the spray gun perpendicular to the surface, maintaining a consistent distance (typically 6-8 inches).
- Move the gun at a steady speed, overlapping each pass by about 50% to ensure even coverage.
- Release the trigger at the end of each pass to avoid paint buildup.
- Apply multiple thin coats rather than one thick coat to prevent runs and drips.

7. MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and performance of your spray gun. Clean the gun immediately after each use.

7.1 Cleaning Procedure

1. Disconnect the air supply from the spray gun.
2. Empty any remaining paint from the cup.
3. Pour a small amount of appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for water-based paints) into the cup.
4. Reconnect the air supply and spray the solvent through the gun until it runs clear. Dispose of waste solvent properly.
5. Disassemble the gun (refer to Figure 2 for components). Remove the cup, nozzle, and needle.

6. Use the provided cleaning brush set and solvent to thoroughly clean all parts, paying special attention to the nozzle, needle, and fluid passages.
7. Rinse all parts with clean solvent or water.
8. Dry all components completely before reassembly.
9. Lightly lubricate moving parts (e.g., needle packing) with a compatible lubricant if necessary.

7.2 Storage

Store the clean, dry spray gun in a safe, dry place, away from extreme temperatures and direct sunlight.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Uneven spray pattern	Clogged nozzle or air cap; incorrect pressure; paint too thick.	Clean nozzle/air cap; adjust air pressure; thin paint as per manufacturer.
No paint flow	Clogged siphon tube or nozzle; empty cup; air leak in cup connection.	Clean siphon tube/nozzle; refill cup; tighten cup connection.
Paint spitting or sputtering	Low paint level; air leak; loose nozzle; paint too thick.	Refill cup; check all connections; tighten nozzle; thin paint.
Excessive overspray	Too much air pressure; gun too far from surface.	Reduce air pressure; move gun closer to surface.

9. SPECIFICATIONS

- **Model Number:** 232013
- **Brand:** Dynastus
- **Tank Volume:** 200 Cubic Centimeters (200 ML)
- **Nozzle Size:** 1.6 mm (Precision ground brass)
- **Air Inlet:** 1/4" NPT
- **Air Consumption:** 4.5 CFM at 40 psi
- **Operating Pressure:** 40-50 PSI
- **Maximum Pressure:** 50 PSI
- **Material:** Aluminum (body), Stainless Steel (needle)
- **Color:** Silver
- **Included Components:** Cleaning Brush Set, Multi-wrench
- **Recommended Uses:** Painting (Detailing, Touch-up, Small Repair Work)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Dynastus customer service. Keep your purchase receipt as proof of purchase.

