

Dynastus B085C3Z2GG

Dynastus Siphon Feed HVLP Spray Gun User Manual

Model: B085C3Z2GG

INTRODUCTION

This manual provides instructions for the safe and effective use of your Dynastus Siphon Feed HVLP Suction Air Spray Gun. This spray gun is designed for medium to large size painting applications, including automotive, home, and furniture projects. Please read this manual thoroughly before operation and retain it for future reference.

The Dynastus Siphon Feed HVLP Spray Gun requires a 7-12 CFM / 3 HP air compressor for optimal performance. It is capable of handling various coatings such as lacquer, enamel, stain, primer, and urethane.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and a respirator when operating the spray gun. Ensure adequate ventilation in your work area. Keep the spray gun away from open flames or ignition sources. Disconnect the air supply before cleaning or performing maintenance.

COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Dynastus Siphon Feed HVLP Spray Gun:

- **Spray Gun Body:** The main housing for the trigger, air inlet, and adjustment knobs.
- **Fluid Nozzle:** Controls the flow of paint. This model features a 1.8mm nozzle.
- **Air Cap:** Shapes the spray pattern.
- **Fluid Adjustment Knob:** Controls the amount of paint released.
- **Pattern Adjustment Knob:** Adjusts the width of the spray pattern.
- **Fan Direction Change Ring:** Allows for horizontal or vertical spray patterns.
- **Siphon Feed Cup (33 oz):** Holds the paint and feeds it to the gun via suction.
- **Air Inlet:** Connects to your air compressor hose (1/4-inch NPT female thread quick coupler plug)

included).



Figure 1: Dynastus Siphon Feed HVLV Spray Gun with key adjustment points highlighted. The image shows the fan direction change ring, pattern setting knob, and fluid setting knob, all contributing to precise finish control.

SETUP AND ASSEMBLY

- 1. Unpack Components:** Carefully remove all items from the packaging. Verify that all parts are present, including the spray gun, siphon feed cup, extra spanner, handle toothbrush, and 1/4-inch NPT female thread quick coupler plug.
- 2. Attach Siphon Feed Cup:** Securely attach the 33 oz siphon feed cup to the bottom of the spray gun

body. Ensure a tight seal to prevent leaks and maintain proper suction.

3. **Connect Air Supply:** Attach the included 1/4-inch NPT female thread quick coupler plug to your air hose. Connect the air hose to the air inlet on the spray gun. Ensure the connection is secure.
4. **Prepare Paint:** Thin your paint according to the manufacturer's recommendations for spray application. Strain the paint to remove any particles that could clog the nozzle.
5. **Fill Siphon Feed Cup:** Pour the prepared paint into the siphon feed cup. Do not overfill.



Figure 2: The Dynastus Siphon Feed HVLV Spray Gun disassembled, showing the main gun body and the separate 33 oz siphon feed cup. This view illustrates the components involved in assembly and cleaning.

OPERATING INSTRUCTIONS

1. **Adjust Air Pressure:** Set your air compressor to the recommended pressure for your paint and desired finish (typically 20-30 PSI for HVLV).
2. **Adjust Fluid Flow:** Turn the fluid adjustment knob to control the amount of paint. Start with a moderate setting and adjust as needed.
3. **Adjust Spray Pattern:**
 - **Pattern Width:** Use the pattern adjustment knob to widen or narrow the spray fan.
 - **Fan Direction:** Rotate the fan direction change ring on the air cap to switch between horizontal and vertical spray patterns. This allows for spraying across or up and down surfaces.
4. **Test Spray:** Before applying to your workpiece, test the spray pattern on a scrap piece of material. Adjust settings until you achieve a consistent, even spray without runs or excessive overspray.
5. **Application:** Hold the spray gun perpendicular to the surface, maintaining a consistent distance (typically 6-8 inches). Use smooth, overlapping strokes. Release the trigger at the end of each pass.



Figure 3: A detailed view of the Dynastus HVLV spray gun's nozzle and air cap, highlighting the precision manufacturing. This component is crucial for shaping the spray pattern and ensuring an even finish.

MAINTENANCE AND CLEANING

Proper cleaning after each use is essential for the longevity and performance of your spray gun.

1. **Empty Paint:** Empty any remaining paint from the siphon feed cup.
2. **Flush with Solvent:** Fill the cup with an appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for water-based paints). Spray the solvent through the gun until it runs clear.
3. **Disassemble:** Disconnect the air supply. Carefully disassemble the air cap, fluid nozzle, and siphon tube. Use the included spanner for easier disassembly.
4. **Clean Components:** Use the handle toothbrush and cleaning solvent to thoroughly clean all paint-contacting parts. Pay close attention to the fluid nozzle and air cap to remove any dried paint. The anti-drip canister design helps minimize cleanup.
5. **Reassemble:** Once all parts are clean and dry, reassemble the spray gun. Ensure all connections are tight.
6. **Lubrication:** Periodically apply a small amount of spray gun lubricant to moving parts and threads to ensure smooth operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pulsating or Intermittent Spray	<ul style="list-style-type: none"> • Insufficient air pressure. • Clogged fluid nozzle or air cap. • Loose siphon tube or cup connection. • Paint too thick. 	<ul style="list-style-type: none"> • Increase air pressure to recommended PSI. • Clean nozzle and air cap thoroughly. • Check and tighten all connections. • Thin paint according to manufacturer's specifications.
Uneven Spray Pattern	<ul style="list-style-type: none"> • Dirty or damaged air cap. • Incorrect pattern adjustment. • Inconsistent gun movement. 	<ul style="list-style-type: none"> • Clean or replace air cap. • Adjust pattern knob and test spray. • Practice consistent, even strokes.
Paint Leaking from Nozzle	<ul style="list-style-type: none"> • Loose fluid nozzle. • Damaged fluid needle packing. 	<ul style="list-style-type: none"> • Tighten fluid nozzle. • Replace fluid needle packing.
Siphon Tube/Hose Issues	<ul style="list-style-type: none"> • Siphon tube broken or detached. • Air leak in cup or tube connection. 	<ul style="list-style-type: none"> • Inspect and replace siphon tube if damaged. • Ensure cup and tube connections are tight.

SPECIFICATIONS

Feature	Detail
Brand	Dynastus
Model Number	B085C3Z2GG
Nozzle Size	1.8mm
Cup Capacity	33 oz
Power Source	Air-Powered
Required Compressor	7-12 CFM / 3 HP
Material	Aluminum
Adjustments	Fluid, Pattern, Fan Direction

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the documentation included with your product or visit the official Dynastus website. Specific warranty terms may vary.

