

DeVilbiss GFC501

DeVilbiss GFC501 Gravity Feed Cup User Manual

Model: GFC501 | Capacity: 20 oz.

1. INTRODUCTION

This manual provides instructions for the proper use, maintenance, and care of the DeVilbiss GFC501 Gravity Feed Cup. This cup is designed to hold and supply paint or other sprayable materials to compatible gravity feed spray guns, ensuring efficient material transfer during painting applications.



Image Description: A translucent white plastic gravity feed cup with a white screw-on lid and a small white vent cap. The bottom features a silver-colored threaded metal fluid connector. The DeVilbiss brand name is faintly visible on the side of the cup.

2. SAFETY INFORMATION

Always prioritize safety when working with spray equipment and materials. Failure to follow safety precautions can result in injury or property damage.

- Read and understand the instructions for your spray gun and the material being sprayed before use.
- Wear appropriate personal protective equipment (PPE), including respirators, safety glasses, and gloves.
- Ensure adequate ventilation in your work area to prevent inhalation of fumes.
- Keep the cup and its contents away from open flames, sparks, and heat sources.
- Dispose of waste materials and cleaning solvents according to local environmental regulations.

3. COMPONENTS

The DeVilbiss GFC501 Gravity Feed Cup consists of the following primary components:

- **Gravity Feed Cup Body:** A translucent acetal container designed to hold sprayable material.
- **Lid:** A white plastic lid that seals the cup, often featuring a vent to allow for proper material flow.
- **Fluid Connector:** A threaded metal fitting at the bottom of the cup for attachment to a spray gun.

4. SETUP

Follow these steps to prepare your DeVilbiss GFC501 Gravity Feed Cup for use:

1. **Inspect Components:** Before each use, inspect the cup body, lid, and fluid connector for any signs of damage, cracks, or wear. Ensure all parts are clean and free of debris.
2. **Attach to Spray Gun:** Carefully thread the fluid connector of the gravity feed cup onto the material inlet of your compatible gravity feed spray gun. Hand-tighten until secure. Do not overtighten, as this can damage the threads.
3. **Check for Stability:** Ensure the cup is firmly attached to the spray gun and does not wobble. A secure connection prevents leaks and ensures consistent material flow.

5. OPERATING INSTRUCTIONS

Proper operation of the gravity feed cup involves careful filling and sealing:

1. **Prepare Material:** Mix and filter your paint or sprayable material according to the material manufacturer's instructions.
2. **Fill the Cup:** Pour the prepared material into the DeVilbiss GFC501 cup. Do not fill beyond the recommended capacity or to the very brim, to prevent spills and allow for proper lid sealing.
3. **Secure the Lid:** Place the lid onto the cup and twist or press firmly to create a secure seal. Ensure the vent hole (if present) is clear and functioning correctly to allow for proper air equalization as material is drawn from the cup.
4. **Begin Spraying:** Refer to your spray gun's instruction manual for specific operating procedures, including air pressure settings, spray patterns, and application techniques.

6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance are essential for the longevity and performance of your gravity feed cup. This product is designed for hand washing only.

Cleaning Procedure:

1. **Empty Remaining Material:** After use, empty any remaining material from the cup into an appropriate waste container.
2. **Disassemble:** Detach the cup from the spray gun and remove the lid.
3. **Hand Wash Only:** Wash the cup body and lid thoroughly by hand using a compatible cleaning solvent or warm soapy water. Use a brush to remove any dried material from inside the cup and around the threads.
4. **Rinse:** Rinse all components with clean water to remove any cleaning solution residue.
5. **Dry:** Allow all parts to air dry completely before reassembly or storage. Ensure no moisture remains, especially if storing for extended periods.

Important: Do not use abrasive cleaners or tools that could scratch or damage the cup's surface. Avoid exposing the cup to harsh chemicals that are not compatible with acetal plastic.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the DeVilbiss GFC501 Gravity Feed Cup.

Issue: Material Leaks from Cup Connection

- **Possible Cause:** Cup not securely tightened to the spray gun.
- **Solution:** Ensure the fluid connector is hand-tightened firmly to the spray gun. Check the threads on both the cup and gun for damage or debris.
- **Possible Cause:** Damaged fluid connector or cup threads.
- **Solution:** Inspect for cracks or stripped threads. Replace the cup if damage is present.

Issue: Material Leaks from Lid

- **Possible Cause:** Lid not properly sealed.
- **Solution:** Ensure the lid is fully seated and securely twisted or pressed onto the cup.
- **Possible Cause:** Damaged lid or cup rim.
- **Solution:** Inspect the lid and cup rim for cracks or deformities. Replace the cup if damage is present.

Issue: Inconsistent Material Flow (Cup Related)

- **Possible Cause:** Clogged vent hole in the lid.
- **Solution:** Clean the vent hole to ensure proper air equalization as material is drawn from the cup.
- **Possible Cause:** Material too thick or improperly mixed.
- **Solution:** Refer to the material manufacturer's instructions for proper thinning and mixing.

8. SPECIFICATIONS

DeVilbiss GFC501 Gravity Feed Cup Specifications

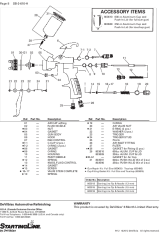

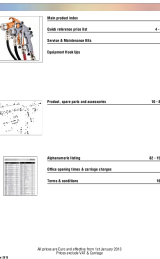

Feature	Detail
Model Number	GFC501 (GFC-501)
Capacity	20 fluid ounces (approx. 591 ml)
Material	Acetal Plastic

Feature	Detail
Item Weight	2.4 ounces (approx. 68 grams)
Care Instructions	Hand Wash Only

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to purchase replacement parts, please contact DeVilbiss customer support directly. Refer to the official DeVilbiss website or product packaging for the most current contact details and warranty terms.

Related Documents - GFC501

	<p>DeVilbiss StartingLine HVLP Spray Gun Parts and Accessories</p> <p>Comprehensive parts breakdown, accessory items, and warranty details for the DeVilbiss StartingLine HVLP automotive spray gun, including part numbers and descriptions.</p>
	<p>DeVilbiss StartingLine HVLP Spray Gun Service Bulletin SB-2-610-K</p> <p>This service bulletin provides essential information, setup instructions, adjustment procedures, cleaning guidelines, and safety warnings for the DeVilbiss StartingLine HVLP spray gun, model SB-2-610-K. It details HVLP air supply requirements, gun setup, packing adjustment, fluid tip applications, cleaning, preventive maintenance, and potential hazards.</p>
	<p>DeVilbiss, Binks, Ransburg Spray Finishing Equipment Catalog and Technical Guide</p> <p>Comprehensive catalog and technical guide for DeVilbiss, Binks, and Ransburg professional spray finishing equipment. Features detailed listings of spray guns, pumps, air motors, regulators, hoses, accessories, and related parts with model numbers and specifications.</p>
	<p>DeVilbiss APOLLO-L Spray Gun Operation Manual</p> <p>This manual provides comprehensive instructions for the safe operation, maintenance, and troubleshooting of the DeVilbiss APOLLO-L spray gun. It covers safety precautions, usage guidelines, parts lists, and specifications.</p>

