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Graco 390 PC Cordless

Graco 390 PC Cordless Airless Sprayer User Manual

Model: 390 PC Cordless

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your Graco 390 PC Cordless Airless Sprayer. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

The Graco 390 PC Cordless Airless Sprayer is designed for professional painting applications, offering the power of a corded sprayer with the convenience of cordless operation. It is powered by DEWALT 20V/60V MAX FLEXVOLT Lithium Ion Batteries, providing consistent performance for various painting projects.



Figure 1: Front view of the Graco 390 PC Cordless Airless Sprayer.

2. SAFETY INFORMATION

Always follow these safety precautions to reduce the risk of injury or property damage.

- **Read all instructions:** Familiarize yourself with the sprayer's components and functions before use.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and a respirator suitable for the materials being sprayed.
- **Ensure proper ventilation:** Operate the sprayer in a well-ventilated area to avoid inhaling hazardous fumes.
- **Keep children and pets away:** Do not allow unauthorized persons near the operating equipment.
- **Do not spray flammable liquids near ignition sources:** Paint fumes can be highly flammable.
- **Relieve pressure before servicing:** Always turn off the sprayer and relieve system pressure before cleaning, checking, or repairing any part of the unit.
- **Use only Graco approved parts and accessories:** Substituting parts may compromise safety and performance.
- **Maintain a safe working environment:** Keep the work area clean, well-lit, and free of clutter.

3. SETUP

Proper setup is crucial for safe and effective operation.

3.1 Unpacking and Assembly

1. Carefully remove all components from the packaging.
2. Attach the handle to the sprayer frame. Ensure all fasteners are securely tightened.
3. Verify that the wheels are properly installed and secured to the frame.



Figure 2: Side view of the Graco 390 PC Cordless Airless Sprayer, showing the assembled handle and wheels.

3.2 Battery Installation and Charging

The sprayer operates on DEWALT 20V/60V MAX FLEXVOLT Lithium Ion Batteries. Two batteries are included for extended operation.

1. Ensure batteries are fully charged using the supplied DEWALT Fan-Cooled Fast Charger before first

use.

2. Insert a charged battery into the battery port on the sprayer until it clicks into place.



Figure 3: Close-up view of a DEWALT battery properly inserted into the sprayer's battery compartment.

3.3 Hose and Gun Connection

1. Connect the 1/4 inch x 50 ft BlueMax II Airless Hose to the fluid outlet on the sprayer. Tighten securely.
2. Attach the FTx Gun to the other end of the BlueMax II Airless Hose.
3. Install the RAC X LP 515 Spray Tip and RAC X Tip Guard onto the FTx Gun.

3.4 Priming the Sprayer

Priming removes air from the system and prepares the sprayer for operation.

1. Place the suction tube into the paint container and the drain tube into a waste pail.
2. Turn the prime valve to the 'Prime' position.
3. Turn on the sprayer and allow it to run until paint flows smoothly from the drain tube, free of air bubbles.
4. Turn off the sprayer and return the prime valve to the 'Spray' position.

4. OPERATING INSTRUCTIONS

Follow these steps for effective and safe spraying.

4.1 Preparing the Paint

Ensure paint is properly mixed and strained to remove any lumps or debris that could clog the sprayer.

4.2 Spraying Technique

1. Hold the spray gun perpendicular to the surface, maintaining a consistent distance (typically 10-12 inches).
2. Move the gun at a steady pace, overlapping each pass by approximately 50%.
3. Release the trigger at the end of each pass to avoid excessive paint buildup.

4.3 Adjusting Pressure and Tip

Adjust the pressure control knob to achieve the desired spray pattern. Higher viscosity materials typically require higher pressure. Select the appropriate spray tip (e.g., RAC X LP 515) for your material and application.

4.4 Shutting Down

1. Turn off the sprayer.
2. Engage the trigger lock on the spray gun.
3. Relieve system pressure by turning the prime valve to the 'Prime' position and holding the gun over a waste pail until pressure is released.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your sprayer.

5.1 Cleaning After Each Use

1. Flush the system with an appropriate cleaning solution (water for latex paints, mineral spirits for oil-based paints).
2. Remove the spray tip and tip guard, clean them thoroughly.
3. Clean the gun filter and main filter.
4. Circulate cleaning solution through the sprayer until it runs clear.

5.2 Tip and Filter Maintenance

Inspect spray tips and filters regularly for wear or damage. Replace worn tips to maintain a consistent spray pattern. Clean or replace filters as needed to prevent clogs and ensure proper flow.

5.3 Storage

When storing the sprayer for extended periods, flush it with pump protector fluid to prevent corrosion and freezing.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No spray or weak spray	Clogged tip, clogged filter, low pressure setting, air in system	Clean/replace tip, clean filters, increase pressure, re-prime sprayer
Poor spray pattern (tails)	Worn tip, insufficient pressure, paint too thick	Replace tip, increase pressure, thin paint if recommended by manufacturer
Sprayer not turning on	Dead battery, loose battery connection	Charge battery, ensure battery is fully seated
Leaking from gun or hose	Loose connections, damaged O-rings/seals	Tighten connections, inspect and replace O-rings/seals

7. SPECIFICATIONS

Feature	Specification
Brand	Graco
Model Name	390 PC Cordless, Hi-Boy
Item Model Number	390 PC Cordless
Power Source	Battery (DEWALT 20V/60V MAX FLEXVOLT Lithium Ion)
Maximum Pressure	3300 PSI (Pound per Square Inch)
Max Tip Size	0.021 inch
Hose Length	50 Feet (BlueMax II Airless Hose)
Item Weight	83 Pounds
Product Dimensions	22"W x 40"H
Included Components	FTx Gun, RAC X LP 515 Spray Tip, RAC X Tip Guard, 1/4 in x 50 ft BlueMax II Airless Hose, 2 - DEWALT 20V/60V MAX FLEXVOLT Lithium Ion Batteries, DEWALT Fan-Cooled Fast Charger

8. WARRANTY AND SUPPORT

Graco products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Graco website.

For technical assistance, replacement parts, or service, please contact Graco customer support. Have your model number and serial number ready when contacting support.

Graco Customer Support: Refer to your product packaging or the official Graco website for current contact information.

