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Wagner 0518080

Wagner Control Spray Max HVLP Paint or Stain Sprayer Instruction Manual

Model: 0518080

Introduction Safety Information Product Components Setup Operation Maintenance & Cleaning Troubleshooting Specifications Warranty & Support

1. Introduction

The Wagner Control Spray Max HVLP Paint or Stain Sprayer is designed for applying thin materials such as stains, sealers, urethanes, varnishes, and enamels with control and efficiency. It is suitable for small to medium outdoor projects like decks, fences, patio furniture, and woodworking. This sprayer offers adjustable patterns and material flow for desired results, with quick setup and cleanup.



Figure 1: Wagner Control Spray Max HVLP Paint or Stain Sprayer.

2. Safety Information

Always read and understand all safety warnings and instructions provided in the full user manual before operating this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment, including eye protection, gloves, and a respirator, especially when spraying paints or stains.
- Ensure adequate ventilation in the work area to prevent the buildup of hazardous fumes.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Always disconnect the power supply before cleaning, adjusting, or performing maintenance on the sprayer.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Product Components

Familiarize yourself with the main parts of your Wagner Control Spray Max sprayer:



Figure 2: Key components of the Wagner Control Spray Max.

- **Powerful, Integrated Air Turbine:** Provides the necessary airflow for spraying.
- **Control Finish Nozzle:** Adjusts to three spray positions (horizontal, vertical, round).
- **1 Quart Cup:** Holds paint or stain for medium-sized projects.
- **Replaceable Filters:** Help prevent particles from entering the spray system.
- **Variable Flow Trigger:** Controls the amount of material being sprayed.

4. Setup

Proper setup ensures optimal performance and prevents issues. Follow these steps before each use:

1. **Prepare the Work Area:** Ensure the area is clean, well-ventilated, and free from obstructions. Lay down drop cloths or plastic sheeting to protect surrounding surfaces from overspray.
2. **Prepare the Material:**
    - Stir your paint or stain thoroughly.
    - Thin the material according to the manufacturer's recommendations for HVLP sprayers. Use the included viscosity cup to test the material thickness.
    - Strain the material through a paint strainer to remove any lumps or debris that could clog the sprayer.
3. **Fill the Container:** Pour the prepared material into the 1-quart cup. Do not overfill.
4. **Attach the Cup:** Securely attach the cup to the sprayer body, ensuring it is tightly sealed to prevent leaks.
5. **Adjust the Suction Tube:** Position the suction tube correctly for the spraying angle. For spraying downwards, point the tube towards the front of the cup. For spraying upwards, point it towards the back.

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Video 1: Wagner Control Spray Overview. This video provides a general overview of the Wagner Control Spray, demonstrating its features and basic operation, including assembly and material preparation.

5. Operation

Follow these guidelines for effective spraying:

1. **Adjust Spray Pattern:** Rotate the air cap to select your desired spray pattern:
    - **Horizontal:** For vertical surfaces.
    - **Vertical:** For horizontal surfaces.
    - **Round:** For small areas or intricate details.



Figure 3: Adjusting the spray pattern and material flow.

2. **Adjust Material Flow:** Use the material flow adjustment knob on the trigger to increase or decrease the coating output. Start with a lower setting and gradually increase until the desired coverage is achieved.
3. **Test Spray:** Always test the spray pattern and material flow on a piece of scrap material before applying to your project. This allows you to fine-tune settings and ensure even coverage.
4. **Spraying Technique:**
    - Hold the sprayer approximately 6-8 inches from the surface.
    - Move the sprayer in smooth, even passes, overlapping each pass by about 50%.
    - Maintain a consistent speed and distance from the surface to avoid drips or uneven application.
    - Apply multiple thin coats rather than one thick coat for a smoother finish and to prevent runs.



Figure 4: Using the sprayer on a small exterior project like a fence.



Figure 5: The sprayer is effective for staining projects such as outdoor furniture.



Figure 6: Achieving a fine finish on furniture with the sprayer.

6. Maintenance & Cleaning

Thorough cleaning after each use is crucial for the longevity and performance of your sprayer. Cleanup typically takes less than 10 minutes.

1. **Disconnect Power:** Always unplug the sprayer from the power source before cleaning.
2. **Empty Material:** Empty any remaining material from the cup back into its original container.
3. **Disassemble:** Unscrew the cup and detach the front end of the sprayer (nozzle assembly).
4. **Clean Components:**
    - For water-based materials, rinse all parts (cup, suction tube, nozzle, air cap) with warm soapy water.
    - For oil-based materials, use appropriate cleaning solvents (e.g., mineral spirits) as recommended by the material manufacturer.
    - Use the provided cleaning brush to remove any dried material from the nozzle and air cap. Ensure all small

holes are clear.
    - Clean the replaceable filters. If heavily clogged, replace them.
5. **Rinse and Dry:** Rinse all cleaned parts thoroughly with clean water. Allow all components to air dry completely before reassembly or storage.
6. **Reassemble:** Reassemble the sprayer, ensuring all parts are correctly aligned and tightened.

7. Troubleshooting

Refer to this section for common issues and their solutions:

Problem	Possible Cause	Solution
No spray or weak spray	• Material too thick • Nozzle clogged • Suction tube not submerged • Air filter clogged	• Thin material further • Clean nozzle and air cap • Adjust suction tube position • Clean or replace air filter
Uneven spray pattern or spitting	• Nozzle partially clogged • Air cap not properly aligned • Material flow too high/low • Sprayer too far/close to surface	• Clean nozzle thoroughly • Ensure air cap is correctly positioned • Adjust material flow knob • Maintain consistent distance (6-8 inches)
Leaking from cup or nozzle	• Cup not tightened • Damaged O-ring/seal • Nozzle assembly loose	• Tighten cup securely • Inspect and replace damaged seals • Ensure nozzle assembly is tight

If you encounter issues not listed here, refer to the complete user manual or contact Wagner customer support.

8. Specifications

Feature	Detail
Brand	Wagner
Model Name	Control Spray
Model Number	0518080 (also known as 417005)
Tank Volume	1 Quart
Color	Yellow/Black
Recommended Uses	Painting, Staining, Sealing (thin materials)
Power Source	AC/DC

Feature	Detail
Included Components	Control Spray unit, Instruction Guide, Nozzle

9. Warranty & Support

The Wagner Control Spray Max HVLP Paint or Stain Sprayer comes with a**1 Year Limited Warranty** from the manufacturer. For warranty claims, technical assistance, or general inquiries, please contact Wagner customer support. Wagner U.S. is based in Minneapolis, Minnesota, and their team is available to assist you. Refer to the official Wagner website or the full user manual for specific contact details.
Additional resources, including the full user manual and safety information, are available in PDF format:

- Instructions for Use (IFU) (PDF)
- User Manual (PDF)
- Safety Information (PDF)

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