VONFORN VF803

VONFORN 700W HVLP Paint Sprayer VF803 Instruction Manual

Model: VF803 | Brand: VONFORN

Introduction

Thank you for choosing the VONFORN 700W HVLP Paint Sprayer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new paint sprayer. Please read these instructions thoroughly before initial use and retain them for future reference.

Important Safety Information

WARNING: This paint sprayer is only suitable for 110-120V voltage. Connecting to a higher voltage will cause the motor to burn out. Please ensure to confirm the voltage before use.
Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and a respirator when operating the paint sprayer. Ensure adequate ventilation in your work area.

What's Included

Your VONFORN 700W HVLP Paint Sprayer package includes the following components:

- 1x Paint Sprayer Unit
- 4x Size Nozzles (1.0mm, 1.5mm, 2.0mm, 3.0mm)
- 5x Paint Filters
- 1x Viscosity Cup
- 1x Nozzle Cleaning Needle
- 1x Cleaning Brush
- 1x Dust Blowing Joint
- 1x Clean Connector
- 1x Pot Lid
- 1x User Manual



Figure 1: All components included with the VONFORN 700W HVLP Paint Sprayer.

Setup

1. Assembly

The paint sprayer is designed for easy, tool-free assembly. Attach the paint container to the sprayer body by twisting it securely. Ensure all connections are tight to prevent leaks.



Figure 2: Visual guide for assembling the paint sprayer.

2. Paint Preparation

Proper paint preparation is crucial for optimal spraying results and to prevent clogging. Always thin your paint according to the paint manufacturer's recommendations. Use the included viscosity cup to test the paint's consistency. Filter the paint through one of the provided paint filters to remove any lumps or debris before pouring it into the container.



Figure 3: Filtering paint into the sprayer container using the provided filter.

3. Nozzle Selection

The sprayer comes with four different nozzle sizes (1.0mm, 1.5mm, 2.0mm, 3.0mm) to accommodate various paint types and project requirements. Select the appropriate nozzle based on the paint's viscosity and the desired spray pattern. Generally, smaller nozzles are for thinner materials and finer finishes, while larger nozzles are for thicker materials and broader coverage.

- **1.0mm Nozzle:** Ideal for thin paints, stains, and fine detail work.
- **1.5mm Nozzle:** Suitable for general purpose paints and medium viscosity materials.
- **2.0mm Nozzle:** Good for thicker paints, primers, and achieving a smooth finish on furniture and cabinets.
- **3.0mm Nozzle:** Best for very thick paints, latex, and large surface areas like walls and fences.

Operating Instructions

1. Adjusting Spray Patterns

The sprayer offers three adjustable spray patterns: horizontal, vertical, and circular. To change the pattern, rotate the air cap on the front of the sprayer to align with your desired orientation.

- **Horizontal (90°):** For vertical surfaces.
- **Vertical (180°):** For horizontal surfaces.
- **Circular (45°):** For small areas, edges, and corners.



Figure 4: Adjusting the spray pattern by rotating the air cap.

2. Flow Control

The amount of paint output can be controlled by adjusting the flow control knob located on the trigger. Turn the knob to increase or decrease the paint flow to suit your project and achieve the desired coverage and finish. Start with a lower flow and gradually increase it as needed.



Figure 5: The flow control knob allows precise adjustment of paint output.

3. Spraying Technique

Hold the sprayer approximately 6-12 inches (15-30 cm) from the surface, depending on the desired coverage. Move the sprayer in smooth, even strokes, overlapping each pass by about 50% to ensure uniform coverage. Avoid tilting the sprayer excessively to prevent uneven application or sputtering.

4. Dust Blowing Function

Before painting, you can use the integrated dust blowing joint to clear dust and debris from the surface, ensuring a cleaner and smoother finish. Attach the dust blowing joint to the sprayer and activate it to prepare your work area.



Figure 6: Utilizing the dust blowing joint for surface preparation.

Maintenance

Thorough cleaning after each use is essential to maintain the sprayer's performance and longevity. Neglecting cleaning can lead to clogs and damage.

1. General Cleaning

Empty any remaining paint from the container. Disassemble the sprayer components (nozzle, air cap, container). Clean all parts with warm soapy water for water-based paints, or appropriate solvent for oil-based paints. Use the included cleaning brush to scrub the container and other parts. Rinse thoroughly and allow to dry completely before reassembly or storage.



Figure 7: Steps for disassembling and cleaning the paint sprayer.

2. Nozzle Cleaning

Use the provided nozzle cleaning needle to clear any paint residue from the nozzle opening. Ensure the nozzle is completely free of blockages for an even spray pattern. The copper nozzles are designed to be corrosion-resistant and durable.

3. Cleaning Connector

After spraying, connect the cleaning connector to a faucet to flush residual paint from inside the sprayer's internal pipes. This helps prevent paint from drying and clogging the system.



Figure 8: Using the cleaning connector to flush internal components.

Troubleshooting

Problem	Possible Cause	Solution
No spray or weak spray	Clogged nozzle; Insufficient paint; Improperly thinned paint; Air cap loose.	Clean nozzle with needle; Refill paint container; Thin paint to correct viscosity; Tighten air cap.
Uneven spray pattern	Clogged nozzle; Incorrect spray pattern setting; Sprayer held too far/close.	Clean nozzle; Adjust air cap for desired pattern; Maintain optimal spraying distance (6-12 inches).

Problem	Possible Cause	Solution
Paint drips or runs	Too much paint flow; Sprayer moved too slowly; Paint too thin.	Reduce paint flow with control knob; Increase spraying speed; Adjust paint thinning.
Motor not running	No power; Faulty connection.	Check power supply and connections; Ensure voltage is 110-120V.

Specifications

Feature	Detail
Model Name	VF803
Brand	VONFORN
Power Consumption	700W
Voltage	110-120V AC
Max Flow	1000 ml/min
Max Viscosity	100 DIN-s
Container Capacity	1200 ml
Nozzle Sizes	1.0mm, 1.5mm, 2.0mm, 3.0mm
Spray Patterns	Horizontal, Vertical, Circular
Material	Plastic
Item Dimensions (W x H)	5.9"W x 11.42"H

Warranty & Support

For any questions or concerns regarding your VONFORN 700W HVLP Paint Sprayer, please contact us via your order platform. Our technical and after-sales support teams are dedicated to assisting you and typically respond within 18 hours.
Please refer to your purchase documentation for specific warranty details.

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