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> NANWEI Cordless HVLP Paint Sprayer (Model WMD73) Instruction Manual

NANWEI WMD73

NANWEI Cordless HVLP Paint Sprayer

MODEL: WMD73

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and care of your NANWEI Cordless HVLP Paint Sprayer, Model WMD73. Please read all instructions carefully before use to ensure optimal performance and user safety.

Cordless Paint Sprayer



Large capacity 1200ml

Fit for water / oil based paint

Compatible with Makita 18V Battery

Figure 1: NANWEI Cordless HVLP Paint Sprayer in operation.

Safety Information

WARNING: Always wear appropriate safety gear, including gloves and eye protection. Avoid inhaling paint fumes. Keep the sprayer away from heat sources and open flames. Do not use with flammable materials. Clean the sprayer thoroughly after use and dispose of paint and cleaning materials responsibly.

Package Contents

Verify that all items listed below are included in your package:

- 1 x Cordless spray gun
- 2 x 4.0Ah Batteries
- 1 x Charger
- 1 x 1200ml tank
- 4 x Nozzles (1.55mm, 1.8mm, 2.2mm, 2.6mm)
- 2 x Filters
- 1 x Funnel
- 1 x Nozzle cleaning needle
- 1 x Cleaning brush

- 1 x User manual

Product Features

- **High-Power Motor:** Equipped with a 40000RPM motor for ultra-fine atomization and efficient coverage.
- **Versatile Nozzles:** Includes 4 nozzles (1.55mm, 1.8mm, 2.2mm, 2.6mm) for various paint types and applications.
- **Adjustable Spray Patterns:** Offers 3 spray patterns (horizontal, vertical, circular) for precise application.
- **Dual Battery System:** Comes with two 20V 4.0Ah lithium-ion batteries for extended, cordless operation.
- **Large Capacity Container:** Features a 1200ml paint container to minimize refills during large projects.
- **Wide Application Range:** Suitable for water-based paints, oil-based paints, varnishes, and enamels on various surfaces including walls, fences, and furniture.

Setup

Follow these steps to assemble and prepare your paint sprayer for use:

1. **Attach the Paint Container:** Securely screw the 1200ml paint tank onto the spray gun body.
2. **Insert the Suction Tube:** Ensure the suction tube is correctly oriented. For spraying downwards, position the tube towards the front of the sprayer. For spraying upwards, position the tube towards the rear.
3. **Select and Install Nozzle:** Choose the appropriate nozzle for your paint and project (refer to 'Nozzle Selection' in the Operation section). Insert the selected nozzle into the spray attachment section and secure it with the nozzle cap.
4. **Insert Battery:** Slide a charged 20V 4.0Ah battery into the battery slot until it clicks into place.

Video 1: Official NANWEI video demonstrating assembly, operation, and cleaning of the cordless paint sprayer.

Operation

Proper operation ensures a smooth finish and extends the life of your sprayer.

1. **Prepare Paint:** Dilute your paint to the recommended viscosity using the provided viscometer cup. Fill the viscometer cup with paint and time how long it takes for the paint to drain completely. Refer to the paint manufacturer's guidelines for specific viscosity recommendations.

By using the equipped simplified viscometer, judge the viscosity of the diluted paint based on the its falling time

Use Method

- 1) Mix the diluted paint well.
- 2) Pour the paint into the simplified viscometer
- 3) Lift the viscometer up and measure the time it uses for all the paint to fall

Estimated Time

Low viscosity: about 15 seconds or less
Medium viscosity: about 15 sec.~25 sec.
High viscosity: more than 25 seconds

- ※Attention: Please dilute the paint with the solvent specified by the paint manufacturer
- ※Attention: Paint with a ignition point below 22°is prohibited.

High Viscosity



High Viscosity



Figure 2: Using the viscometer cup to check paint viscosity.

2. **Fill Paint Container:** Pour the prepared paint into the 1200ml container.
3. **Adjust Spray Pattern:** Rotate the air cap to select your desired spray pattern:
 - **Vertical:** For horizontal surfaces.
 - **Horizontal:** For vertical surfaces.
 - **Circular:** For small areas or detailed work.



Three Spray Patterns

You can adjust the spray patterns by changing the direction of the air cap.

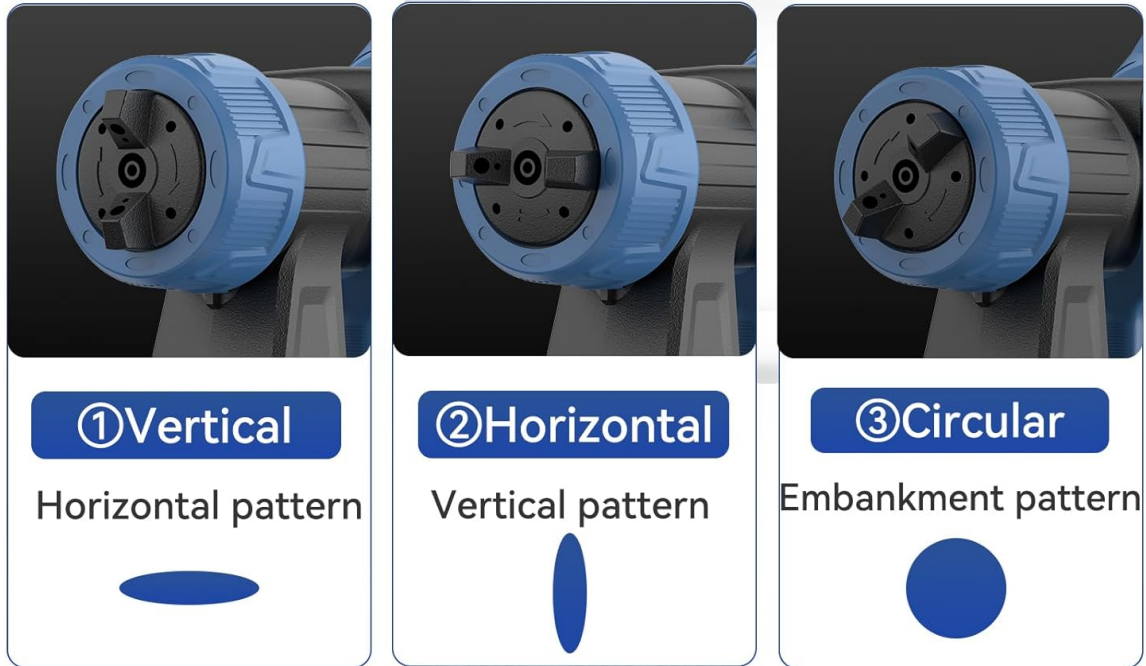


Figure 3: Adjusting the spray pattern by rotating the air cap.

- Adjust Flow Control:** Use the flow control dial to regulate the paint output. Turn clockwise to increase flow and counter-clockwise to decrease flow.

Flow Control Dial

↑ +Direction: Clockwise, flow increases

↓ -Direction: Counter clockwise, flow reduces

Figure 4: Flow control dial for adjusting paint output.

5. **Nozzle Selection:** Choose the nozzle size based on paint type and desired finish:

- **1.55mm / 1.8mm:** Suitable for paints requiring high sprayability, such as water-based paints, topcoats, and recoat paints.
- **2.2mm / 2.6mm:** Suitable for thicker paints such as primers and latex paints.

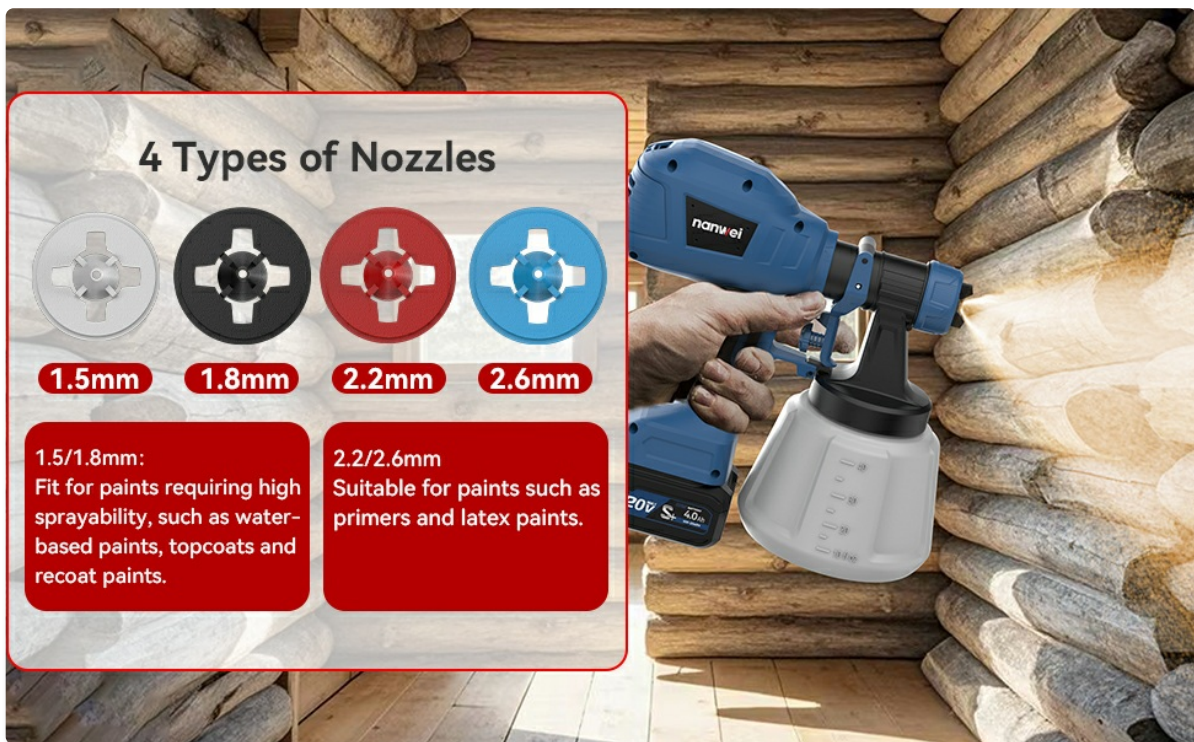


Figure 5: Nozzle selection guide.

- Spraying Technique:** Maintain a consistent distance from the surface (approx. 50cm) and move the sprayer in even, overlapping strokes. For upward spraying, ensure the suction tube is oriented towards the rear of the tank to prevent air intake.

Safe Backflow Prevention System Easy to spray upwards

Vertical spray is strictly prohibited.

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- When spraying upwards: Turn the front end of the paint tube towards the rear.
 - When spraying downwards: Turn the front end of the paint tube towards the front.

Figure 6: Proper technique for spraying upwards, utilizing the backflow prevention system.

Maintenance & Cleaning

Regular cleaning is crucial for optimal performance and longevity of your paint sprayer.

1. **Empty Container:** After each use, empty any remaining paint from the container.
2. **Rinse Container:** Fill the container with an appropriate cleaning solution (water for water-based paints, mineral spirits for oil-based paints) and spray it through the nozzle until clear.
3. **Disassemble and Clean:** Disassemble the spray attachment, nozzle, and suction tube. Use the provided cleaning brush and needle to thoroughly clean all components, removing any paint residue. Rinse under running water.
4. **Clean Filters:** Inspect and clean the filters regularly. Replace if damaged.
5. **Dry and Store:** Ensure all parts are completely dry before reassembling and storing the sprayer in a clean, dry place.

Refer to Video 1 in the Setup section for a visual guide on cleaning procedures.

Troubleshooting

If you encounter issues with your paint sprayer, consider the following common solutions:

- **No Spray or Weak Spray:** Check paint viscosity, ensure nozzle is clear, verify suction tube is correctly positioned, and confirm battery is charged.
- **Uneven Spray Pattern:** Adjust the air cap for the desired pattern, ensure the nozzle is clean and not clogged, and check paint consistency.
- **Paint Dripping:** Ensure all connections are tight, the nozzle is clean, and the paint viscosity is appropriate.
- **Motor Not Running:** Check battery connection and charge level.

For persistent issues, contact NANWEI customer support.

Specifications

Feature	Specification
Brand	NANWEI
Model Name	WMD73
Power Source	Battery Powered (20V)
Battery Capacity	2 x 4.0Ah Lithium-ion
Tank Volume	1200 Milliliters
Max Flow	700ml/min
Max Viscosity	80 DIN-s
No Load Speed	40000rpm \pm 10%
Nozzle Sizes	1.55mm, 1.8mm, 2.2mm, 2.6mm
Item Weight	2.72 Kilograms
Material	Metal, Plastic

Warranty & Support

For warranty information, product support, or to purchase replacement parts, please visit the official NANWEI website or contact their customer service department. Keep your purchase receipt as proof of purchase.