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YATTICH YT-201

YATTICH YT-201 700W HVLP Paint Sprayer Instruction Manual

1. Safety Information

Read all safety warnings and instructions before operating this paint sprayer. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- **Ventilation:** Always operate the paint sprayer in a well-ventilventilated area to prevent the accumulation of hazardous fumes.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including a respirator or mask, safety glasses, and gloves, to protect against paint fumes and overspray.
- **Flammable Materials:** Do not spray flammable or combustible materials near open flames, pilot lights, or other ignition sources. Ensure the work area is free of sparks.
- **Electrical Safety:** Ensure the power cord is in good condition and connected to a grounded outlet. Do not operate the sprayer in wet conditions.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Material Compatibility:** Always check the compatibility of the paint or material with the sprayer components before use.

2. Product Overview

The YATTICH YT-201 HVLP Paint Sprayer is designed for efficient application of various coatings. Familiarize yourself with its components for proper assembly and operation.

Components Diagram





This image illustrates the main components of the YATTICH YT-201 paint sprayer, including the main unit, spray attachment, container, and various nozzles. It also shows the three adjustable spray patterns: circular, horizontal, and vertical.

1. **Union Nut:** Secures the air cap and nozzle assembly.
2. **Air Cap:** Directs the airflow to shape the spray pattern.
3. **Spray Attachment:** Houses the nozzle and needle, connecting to the main unit.
4. **Pot Lid:** Seals the paint container.
5. **Container:** Holds the paint or coating material (1000ml capacity).
6. **Release Button:** Used to detach the spray attachment from the main unit for cleaning or storage.
7. **Power Cable:** Connects the sprayer to an electrical outlet.
8. **Flow Rate Adjusting Knob:** Controls the volume of paint sprayed.

3. Setup

3.1 Assembly

1. Ensure the sprayer is unplugged from the power source.
2. Attach the spray attachment to the main motor unit by aligning the components and securing them firmly.

3. Twist the container onto the spray attachment until it is securely fastened.

3.2 Preparing Paint

Proper paint viscosity is crucial for optimal spray performance. Use the included viscosity cup to test and thin your material.

1. Stir the paint thoroughly.
2. Fill the viscosity cup with the paint and time how long it takes for the paint to completely drain out.
3. Refer to the nozzle recommendation table for target viscosity times.
4. If the drain time is too long, thin the paint with the appropriate solvent (e.g., water for latex, mineral spirits for oil-based) in small increments, stirring well after each addition, and re-test until the desired viscosity is achieved.
5. Strain the thinned paint through a paint strainer to remove any lumps or debris that could clog the nozzle.
6. Pour the prepared paint into the sprayer's container.

3.3 Nozzle Selection

The YATTICH YT-201 includes five copper nozzles (1.2mm, 1.5mm, 1.8mm, 2.5mm, 3.0mm) to accommodate different materials and project types. Select the appropriate nozzle based on the material's viscosity and the desired finish.

Nozzles Recommendations & Applications

Nozzle	Recommended Material	Recommended Viscosity	Project
1.2mm 1.5mm	sealers, stains, enamel and varnish	30 Din-s	chair, table, bicycle, shutter, cabinets, wooden artwork, model DIY
1.8mm	polyurethane, chalk type paint	40 Din-s	railings, heating pipes, window frames, boats, yard furniture, garage doors, metal garden fences
2.5mm	low viscosity primer and wall paint	45 Din-s	internal wall, wooden garden fences, wooden pile, corridor
3.0mm	low viscosity primer and wall paint	50 Din-s	external walls, outdoor floors, sports field line

Note: 1. The smaller the size, the finer and the higher the surface quality; the larger the size, the larger the spray volume;
2. Large area, while high surface quality requiered, then 1.8mm can be recommended.



This table provides guidance on selecting the correct nozzle size for various materials and projects. Generally, smaller nozzles are for finer finishes and thinner materials, while larger nozzles are for thicker materials and broader coverage.

- **1.2mm / 1.5mm:** Ideal for sealers, stains, enamel, and varnish. Recommended viscosity: 30 Din-s. Suitable for chairs, tables, bicycles, shutters, cabinets, wooden artwork, and model DIY projects.
- **1.8mm:** Suitable for polyurethane and chalk-type paint. Recommended viscosity: 40 Din-s. Good for railings, heating pipes, window frames, garage doors, metal garden fences, and general DIY.
- **2.5mm / 3.0mm:** Best for low viscosity primer and wall paint. Recommended viscosity: 45-50 Din-s. Use 2.5mm for internal walls, wooden garden fences, wooden piles, and corridors. Use 3.0mm for external walls, outdoor floors, and sports field lines.

Note: A smaller nozzle size results in a finer finish and higher surface quality. A larger nozzle size provides a larger spray volume. For large areas requiring high surface quality, a 1.8mm nozzle can be recommended.

4. Operation

4.1 Adjusting Spray Patterns

The sprayer offers three adjustable spray patterns: circular, horizontal, and vertical. Rotate the air cap to select the desired pattern.



This image demonstrates how to rotate the air cap to switch between circular (45°), horizontal (90°), and vertical (180°) spray patterns. Choose the pattern that best suits your project for optimal coverage.

- **Circular Pattern:** Ideal for small areas or intricate details.

- **Horizontal Pattern:** Best for spraying vertical surfaces with broad strokes.
- **Vertical Pattern:** Best for spraying horizontal surfaces with broad strokes.

4.2 Spraying Technique

1. Before spraying your project, test the spray pattern and flow rate on a piece of scrap material. Adjust the flow rate knob and spray pattern until you achieve the desired result.
2. Hold the sprayer approximately 6-12 inches (15-30 cm) from the surface, keeping it perpendicular to the surface.
3. Apply paint in smooth, even strokes, overlapping each pass by about one-third.
4. Avoid tilting the sprayer excessively, as this can affect paint pickup. The intake tube can be oriented forward for downward spraying or backward for upward spraying to maximize paint usage.
5. For best results, apply multiple thin coats rather than one thick coat. Allow adequate drying time between coats as recommended by the paint manufacturer.
6. Release the trigger at the end of each stroke to prevent paint buildup.

5. Maintenance

Proper cleaning and maintenance are essential for the longevity and performance of your paint sprayer. Clean the unit immediately after each use.

5.1 Cleaning After Use



This image illustrates the cleaning process for the paint sprayer, showing disassembly and rinsing of components under running water.

1. Unplug the sprayer from the power source.
2. Empty any remaining paint from the container.
3. Pour a small amount of appropriate cleaning solution (water for latex, mineral spirits for oil-based) into the container.
4. Reattach the container and spray the cleaning solution through the nozzle into a waste container until it runs clear.
5. Detach the spray attachment from the motor unit using the release button.
6. Disassemble the nozzle, air cap, and container.
7. Thoroughly clean all disassembled parts with the cleaning solution and the included cleaning brush and nozzle cleaning needle. Pay close attention to the nozzle and air cap to remove all paint residue.
8. Rinse all parts with clean water and allow them to dry completely before reassembly or storage.

5.2 Storage

Store the clean and dry paint sprayer in a cool, dry place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

Refer to the table below for common issues and their solutions. If problems persist, contact customer support.

Problem	Possible Cause	Solution
No paint spraying or weak spray	• Paint too thick • Nozzle clogged • Air cap blocked • Intake tube not submerged • Flow rate knob set too low	• Thin paint to correct viscosity • Clean nozzle and air cap • Ensure intake tube is fully submerged in paint • Increase flow rate
Uneven spray pattern or sputtering	• Nozzle or air cap partially clogged • Incorrect nozzle size for paint viscosity • Air cap not properly aligned • Paint container low	• Clean nozzle and air cap thoroughly • Adjust paint viscosity or change nozzle • Ensure air cap is correctly oriented and tightened • Refill paint container
Paint drips or runs	• Paint too thin • Sprayer too close to surface • Applying too much paint per coat • Flow rate too high	• Thicken paint slightly • Increase distance from surface • Apply thinner coats • Reduce flow rate
Motor runs but no spray	• Nozzle completely blocked • Paint intake tube dislodged • Nozzle assembly misaligned (e.g., paint hole not visible)	• Clean all paint path components • Check and re-seat intake tube • Disassemble nozzle area and ensure paint entry hole is clear and aligned when tightening.

7. Specifications

Key technical specifications for the YATTICH YT-201 HVLP Paint Sprayer.

Feature	Detail
Brand	YATTICH
Model Name	YT-201
Power	700W
Tank Volume	1000 ml
Nozzle Sizes	1.2mm, 1.5mm, 1.8mm, 2.5mm, 3.0mm (Copper)
Spray Patterns	Circular, Horizontal, Vertical
Power Source	Corded Electric
Material	Copper, Double-layer insulation materials
Included Components	1X Paint Sprayer, 1X 1000ml Container, 5X Size Copper Nozzles, 1X Viscosity Cup, 1X Nozzle Cleaning Needle, 1X Cleaning Brush, 1X Spanner, 1X Lid Pot, 1X User Manual

8. Warranty and Support

For information regarding product warranty, technical support, or replacement parts, please refer to the documentation included with your purchase or visit the official YATTICH website. Contact details for customer service are typically provided on the product packaging or the manufacturer's support page.

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