VEVOR JY-SS10L

VEVOR Spray Paint Pressure Pot Tank User Manual

Brand: VEVOR | Model: JY-SS10L

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR 10L/2.5gal Spray Paint Pressure Pot Tank. Please read this manual thoroughly before use and retain it for future reference.

Figure 1: VEVOR 10L/2.5gal Spray Paint Pressure Pot Tank with included accessories.

Safety Instructions

Always prioritize safety when operating any pressure equipment. Failure to follow these instructions may result in serious injury or property damage.

- Read and understand the entire user manual before operation.
- Wear appropriate Personal Protective Equipment (PPE), including safety glasses, gloves, and a respirator, especially when spraying paints or chemicals.
- Ensure adequate ventilation in the work area to prevent the buildup of hazardous fumes.
- Do not exceed the maximum operating pressure of 60 PSI (0.41 MPa). The safety valve is designed to automatically release pressure if it exceeds 0.5 MPa.
- Verify all connections are secure and leak-free before pressurizing the tank. Use thread sealant on fittings as needed.

- Never point the spray gun at yourself or others.
- Depressurize the tank completely before opening the lid or performing any maintenance.
- Keep children and pets away from the work area.
- Use only compatible paints and materials with the pressure pot.

Important Note: The safety valve of the paint tank automatically releases pressure when it exceeds 0.5Mpa to ensure secure operation.

Product Components

The VEVOR Spray Paint Pressure Pot Tank system includes the following main components:

- 10L (2.5 Gallon) Pressure Pot Tank: Constructed from high-pressure steel with a rubber sealing ring and four lid sealing clamps for secure operation.
- Two Spray Guns: Equipped with 1.5mm and 4mm nozzles, suitable for various paint types.
- Air and Fluid Hoses: Two 3-meter (9.84 feet) long hoses for extended reach.
- Pressure Regulator Assembly: Includes a pressure knob, accurate pressure gauge (0-1Mpa), and a safety valve for precise pressure control.
- User Manual: This document.
- Leak Repair Sealant (10ml): For ensuring airtight connections.

Figure 2: Detailed view of the pressure control system.

Technical Specifications

Specification	Value
Brand	VEVOR
Model Name	Spray Paint Pressure Pot Tank, 10L/2.5gal
Item Model Number	JY-SS10L
Tank Volume	10 Liters (2.5 Gallons)
Maximum Pressure	60 PSI (4.1 bar)
Air Inlet Port	1/4 inch (0.64 cm)
Fluid Outlet Port	3/8 inch (0.95 cm)

Specification	Value
Hose Length	9.84 Feet (3 meters)
Product Dimensions (D x H)	12.6"W x 20.5"H (32 cm x 52 cm)
Bucket Size (D x H)	Φ 9.5" x 10" (Φ 24 cm x 25 cm)
Item Weight	21.83 Pounds (9.9 kg)
Material	Metal
Color	Dark Blue
Recommended Uses	Painting, Industrial painting
Power Source	Hand Powered (requires external air compressor)
UPC	840349926001

Figure 3: Product dimensions and key specifications.

Setup and Assembly

Follow these steps to set up your VEVOR Spray Paint Pressure Pot Tank for operation:

1. **Prepare the Work Area:** Ensure the area is well-ventilated, clean, and free from obstructions. Lay down drop cloths or protective coverings.
2. **Prepare the Paint:** Pour the desired paint into the pressure pot tank. Ensure the paint is properly mixed and thinned according to the paint manufacturer's recommendations for spray application. For latex paint, a spray gun with a 4mm or larger nozzle is required.
3. **Secure the Lid:** Place the lid onto the tank, ensuring the rubber sealing ring is properly seated. Close all four lid sealing clamps securely to create an airtight seal.

4. **Connect Hoses:** Attach the air hose from your external air compressor to the 1/4" air inlet port on the pressure pot lid. Connect the fluid hose from the 3/8" fluid outlet port to your spray gun. Connect the air hose from the pressure pot lid to the spray gun's air inlet.
5. **Plug in Air Compressor:** Connect your air compressor to a power source and ensure it is ready for operation.
6. **Open Valves:** Slowly open the necessary valves on the pressure pot and spray gun to allow air and fluid flow.

Figure 4: Example of the pressure pot in use for painting.

Operating Instructions

Once setup is complete, follow these guidelines for effective operation:

- **Adjust Pressure:** Use the pressure knob on the lid to adjust the tank pressure. The accurate pressure gauge will show the real-time pressure. Do not exceed 60 PSI.
- **Adjust Spray Gun:** The spray guns feature three knobs to adjust air, paint flow, and spray width. Experiment with these settings on a test surface to achieve the desired even fan spray atomization and coverage.

- **Painting Technique:** Maintain a consistent distance from the surface and use smooth, overlapping strokes for an even finish. The two 3m long air and fluid hoses provide flexibility for various painting tasks, including high-altitude work.
- **Paint Compatibility:** This system is suitable for common paints such as latex and metallic paints, as well as varnish and DPX colorful paint. Ensure the correct nozzle size is used for the particle size of your paint to prevent clogging.

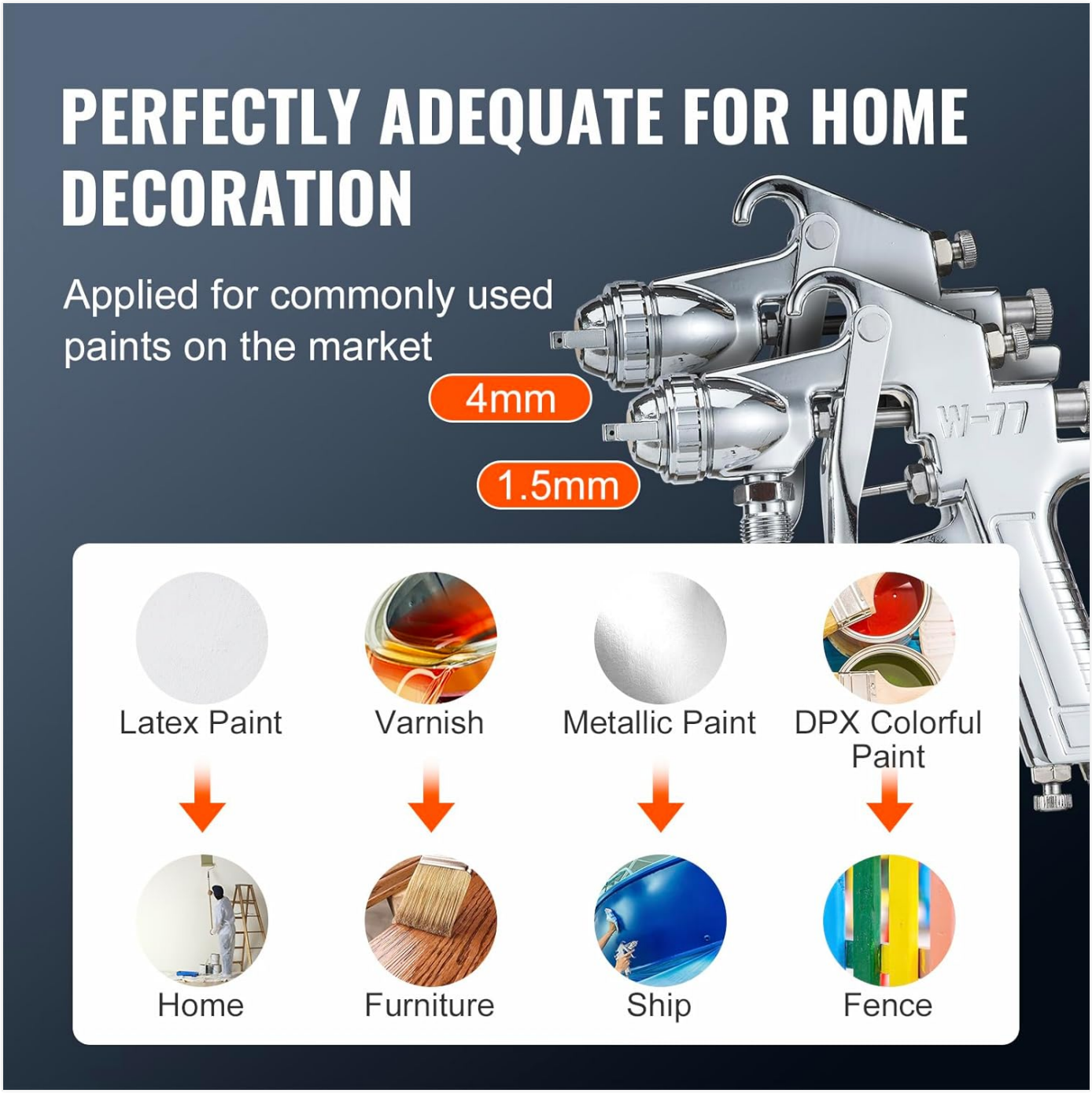

Figure 5: Paint types and applications suitable for the pressure pot system.

Figure 6: The 10L capacity and long hoses allow for efficient large-area painting.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your pressure pot system:

- **Cleaning After Use:** Immediately after each use, depressurize the tank, remove any remaining paint, and thoroughly clean the tank, hoses, and spray guns with appropriate cleaning solutions for the type of paint used.
- **Check Seals:** Periodically inspect the rubber sealing ring on the lid and all hose connections for wear or damage. Replace if necessary to prevent leaks. The system has undergone a water tightness test before leaving the factory, ensuring no gas leakage issues.
- **Inspect Hoses:** Check the air and fluid hoses for kinks, cracks, or signs of wear. Damaged hoses can lead to pressure loss or paint leaks.
- **Lubrication:** Apply a small amount of lubricant to moving parts of the spray gun and lid clamps as recommended by the manufacturer.

- **Storage:** Store the pressure pot and accessories in a clean, dry place, away from extreme temperatures and direct sunlight.

Figure 7: The robust sealing mechanism ensures long-lasting pressure without leaks.

Troubleshooting

If you encounter issues with your VEVOR Spray Paint Pressure Pot Tank, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pressure Loss / Leaks	Loose lid clamps, damaged sealing ring, loose hose fittings, faulty safety valve.	Ensure lid clamps are tightened evenly. Inspect and replace the rubber sealing ring if damaged. Tighten all hose connections and apply thread sealant if necessary. Check the safety valve for proper function.

Problem	Possible Cause	Solution
Uneven Spray / Spitting	Incorrect paint viscosity, clogged nozzle, improper spray gun settings (air/fluid).	Adjust paint thinning according to manufacturer guidelines. Clean the spray gun nozzle and fluid passages. Adjust the air, paint flow, and spray width knobs on the gun.
No Paint Flow	Clogged fluid hose, empty paint tank, insufficient pressure, closed fluid valve.	Check and clear the fluid hose for blockages. Refill the paint tank. Increase air pressure to the recommended level. Ensure the fluid valve on the tank and gun is open.
Paint Clogging Nozzle	Paint too thick, incorrect nozzle size for paint type, paint drying in nozzle.	Thin paint further. Use a larger nozzle (e.g., 4mm for latex). Clean nozzle frequently during use and immediately after use.

Warranty and Support

VEVOR stands behind the quality of its products. For detailed warranty information, please refer to the warranty card included with your purchase or visit the official VEVOR website.
If you require technical assistance, replacement parts, or have any questions regarding your VEVOR Spray Paint Pressure Pot Tank, please contact VEVOR Customer Support through their official channels. Provide your model number (JY-SS10L) and purchase details for faster service.
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