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› VEVOR Airless Paint Sprayer with Diaphragm - Instruction Manual

## VEVOR TA-890

# VEVOR Airless Paint Sprayer with Diaphragm

## INSTRUCTION MANUAL

### 1. INTRODUCTION

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Thank you for choosing the VEVOR Airless Paint Sprayer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new paint sprayer. Please read this manual thoroughly before initial use and keep it for future reference.

This high-performance airless sprayer is designed for various high-viscosity and high-solid content coatings, including paints and adhesives. Its diaphragm structure ensures low maintenance and easy operation, making it ideal for medium to large-scale spraying tasks.

### 2. SAFETY INFORMATION

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**WARNING:** Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- Operate the airless paint sprayer only in well-ventilated areas to prevent the accumulation of hazardous fumes.
- Always wear appropriate personal protective equipment (PPE), including safety glasses or goggles, gloves, and a respirator, especially when working with chemicals like paints and adhesives.
- Do not exceed the maximum pressure limit of 1800 psi. Never operate the unit under pressure when it is not in active use.
- Ensure the equipment is properly maintained and disposed of according to local regulations to avoid mechanical risks.
- Keep children and bystanders away from the operating area.
- Disconnect power before performing any maintenance or cleaning.
- Do not spray flammable materials near open flames or ignition sources.

### 3. PRODUCT OVERVIEW AND COMPONENTS

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Familiarize yourself with the main components of your VEVOR Airless Paint Sprayer.



*Figure 3.1: Main unit of the VEVOR Airless Paint Sprayer.*

#### **Included Components:**

- 1 x Hose
- 1 x Extension Rod
- 1 x Spray Gun
- 1 x User Manual
- 1 x Nozzle (Standard 519, fits up to 621)
- 1 x Cleaning Brush
- 1 x Cleaning Needle
- 2 x Wear-Resistant Sealing Gaskets



Figure 3.2: Detailed view of included accessories and product dimensions.

## 4. SETUP

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Follow these steps for initial setup before operating the sprayer.

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage during transit.
2. **Assemble the Unit:** Attach the high-pressure hose to the sprayer unit and the spray gun. Ensure all connections are secure to prevent leaks.
3. **Install Nozzle:** Insert the desired nozzle into the spray gun.
4. **Position the Sprayer:** Place the sprayer on a stable, level surface near your paint container. The integrated wheels allow for easy mobility.

# THOROUGH CLEANING REDUCED CLOGGING

Equipped with professional  
cleaning tools



Cleaning Needle



Cleaning Brush

Figure 4.1: The sprayer features wear-resistant rubber wheels and a comfortable handle for easy movement.

The sprayer features a self-priming function, eliminating the need for an additional suction tube. Simply place the intake hose into your paint container.

## 5. OPERATING INSTRUCTIONS

Operating your VEVOR Airless Paint Sprayer for optimal results.

1. **Prepare Paint:** Ensure your paint is properly mixed and free of debris. For best results, follow the paint manufacturer's thinning recommendations for airless sprayers.
2. **Power On:** Connect the sprayer to a suitable power outlet.
3. **Prime the Pump:** Follow the priming procedure outlined in the quick start guide (usually involves setting a valve to prime/circulate and allowing paint to flow through the system until air is purged).
4. **Adjust Pressure:** Use the infinitely variable knob to adjust the spray pressure. The integrated pressure gauge displays real-time pressure.



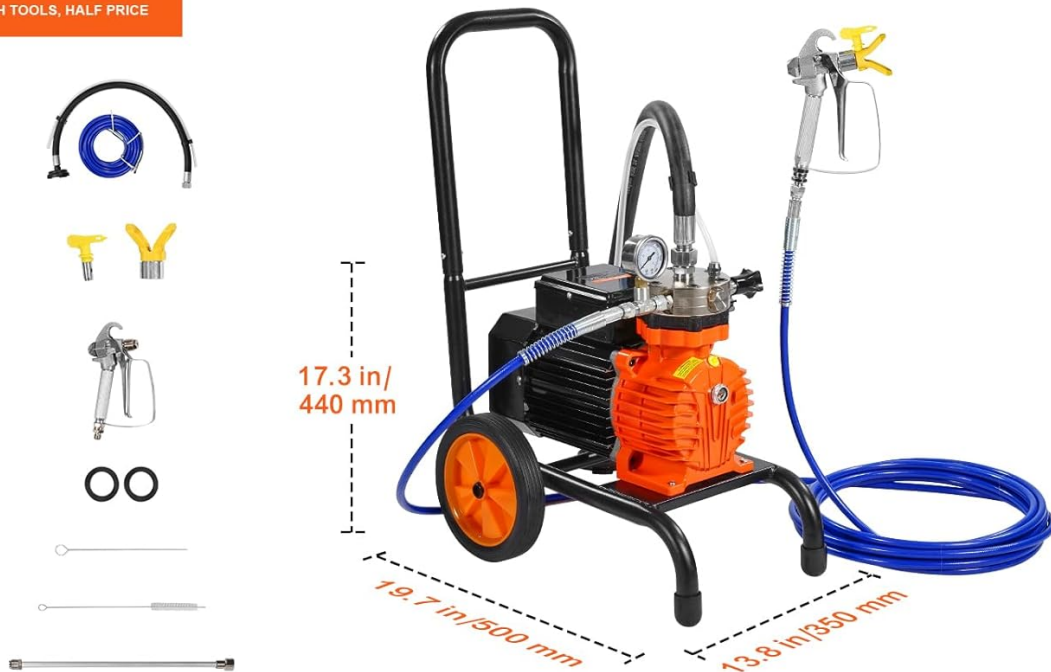
Figure 5.1: Adjusting spray pressure for different applications.

*Low Gear:* For fine painting.

*Medium Gear:* For general painting.

*High Gear:* For fast painting and large areas.

5. **Begin Spraying:** Hold the spray gun at a consistent distance from the surface. Move the gun in smooth, even strokes.
6. **Using the Extension Rod:** For high or hard-to-reach areas, attach the extension rod to the spray gun. This allows for comfortable and safe spraying without ladders.



Item Model Number : <b>TA-890</b>	Standard Nozzle : <b>519 Nozzle, Fit up to 621</b>	Feed Tube : <b>519 Nozzle, Fit up to 621</b>
Ma x Pressure : <b>1800psi</b>	Ex tension Rod Lengt : <b>19.7 in / 50 cm</b>	Annual Paint Volume : <b>19.7 in / 50 cm</b>
Flow Rate : <b>1.8L/min</b>	High-Pressure Hose : <b>29.5 ft / 9 m</b>	Pressure Gauge Rang : <b>29.5 ft / 9 m</b>
Product Dimensions (L x W x H): <b>19.7 x 13.8 x 17.3 in / 500 x 350 x 440 mm</b>		Net Weight (with all accessories): <b>62.2 lbs / 28.2 kg</b>
Power: <b>Recommended Working Pressure 1600PSI:760W</b>		

Item Model Number :				
1 x Hose	1 x Extension Rod	1 x Spray Gun	1 x User Manual	1 x Nozzle
1 x Cleaning Brush	1 x Cleaning Needle		2 x Wear-Resistant Sealing Gaskets	

Figure 5.2: The extension rod provides easy access to high or distant spray areas.

The powerful 900W motor delivers up to 1800 psi pressure and a maximum flow rate of 1.8 L/min, ensuring continuous and uniform paint application, significantly faster than traditional methods.

## 6. MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and performance of your airless paint sprayer.

- 1. Immediate Cleaning:** After each use, especially with water-based paints, clean the sprayer immediately. Do not allow paint to dry inside the system.
- 2. Flush System:** Flush the system with appropriate cleaning solution (water for latex, mineral spirits for oil-based paints) until the liquid runs clear.
- 3. Clean Nozzle and Gun:** Use the provided cleaning needle and brush to thoroughly clean the spray gun and nozzle. Pay attention to hard-to-reach areas.



*Figure 6.1: Utilize the cleaning needle and brush for thorough cleaning and to prevent clogging.*

- **Storage:** Store the sprayer in a clean, dry place, protected from freezing temperatures.
- **Regular Checks:** Periodically check hoses and connections for wear or damage. Replace worn parts as needed.

## 7. TROUBLESHOOTING

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Common issues and their potential solutions.

Problem	Possible Cause	Solution
No spray or low pressure	Clogged nozzle or filter; air in system; insufficient paint.	Clean nozzle and filters; re-prime the pump; ensure sufficient paint in container.
Uneven spray pattern	Worn nozzle; incorrect pressure setting; paint too thick.	Replace nozzle; adjust pressure; thin paint according to manufacturer's instructions.
Sprayer not priming	Air in intake line; clogged intake filter; prime valve not set correctly.	Ensure intake hose is fully submerged; clean intake filter; check prime valve position.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact VEVOR customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	TA-890
Power	900 W
Max Pressure	1800 psi
Flow Rate	1.8 L/min
Standard Nozzle	519 (fits up to 621)
Extension Rod Length	19.7 in / 50 cm
High-Pressure Hose Length	29.5 ft / 9 m
Product Dimensions (L x W x H)	19.7 x 13.8 x 17.3 in / 500 x 350 x 440 mm
Net Weight (with all accessories)	62.2 lbs / 28.2 kg
Material	Plastic, Steel Alloy
Color	Black+Orange+Blue

## 9. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For any warranty claims or technical support, please refer to your purchase documentation or contact VEVOR customer service directly.

For the most up-to-date support information, visit the official VEVOR website or contact their customer service department using the contact details provided with your product purchase.