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› VELPAX Battery Powered Backpack Sprayer PWQ-020 User Manual

VELPAX PWQ-020

VELPAX Battery Powered Backpack Sprayer PWQ-020 User Manual

Model: PWQ-020 | Brand: VELPAX

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your VELPAX 5.4 Gallon Battery Powered Backpack Sprayer. Please read this manual thoroughly before initial use and retain it for future reference.



Image: The VELPAX 5.4 Gallon Battery Powered Backpack Sprayer, showcasing its design and wheeled cart feature.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Do not spray chemicals towards yourself or others.
- Handle pressurized liquids with care.
- Avoid contact with moving parts.
- Always wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and protective clothing when operating the sprayer.
- Do not use flammable or corrosive liquids in the sprayer.
- Keep out of reach of children and pets.
- Ensure the sprayer is turned off and depressurized before performing any maintenance or cleaning.
- Charge the battery in a well-ventilated area, away from flammable materials.

- Do not immerse the battery or charger in water.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x VELPAX Battery Powered Backpack Sprayer (5.4 Gallon / 20L Tank)
- 1 x 12V 8Ah Lithium-ion Battery (pre-installed)
- 1 x Battery Charger
- 1 x Spray Wand (35.8 inches)
- 4 x Nozzles (Single head misting, Double-ended cone, Fan, Shower head)
- 1 x Set of Backpack Straps
- 1 x Detachable Wheeled Cart with Adjustable Handle
- Necessary Accessories (washers, small parts, etc.)

SPECIFICATIONS

Feature	Specification
Brand	VELPAX
Model Name	PWQ-020
Tank Volume	5.4 Gallons (20 Liters)
Battery	12V 8Ah Lithium-ion
Battery Life	6-8 hours continuous spraying
Maximum Pressure	94 PSI
Hose Length	35.8 Inches
Product Dimensions	12"W x 25"H (Sprayer body)
Item Weight	19 Pounds
Material	Plastic, Stainless Steel
Power Source	Battery Powered



Image: Detailed specifications and dimensions of the VELPAX backpack sprayer, including battery, tank material, flow rate, pressure, weight, and hose length.

SETUP INSTRUCTIONS

1. Charge the Battery:

Before first use, fully charge the 12V 8Ah lithium-ion battery. Connect the charger to the charging port on the sprayer and plug it into a standard electrical outlet. The indicator light on the charger will show charging status (e.g., red for charging, green for fully charged). Charging typically takes several hours.

WHY CHOOSE OUR PRODUCTS

Ours	Others
Time-saving	
Labor-saving	
EVEN SPRAY	
Pull or back	
0-94PSI	

VS

- ✓ You can choose pulling or backpack.
- ✓ Additional 4 nozzles available.
- ✓ Water level line is clearly marked on the tank.
- ✓ Wider and thicker straps reduce pressure.
- ✓ 0-94PSI adjustable water pressure.
- ✓ Wide mouth lid with filter for easy access.

Image: Illustration of the battery voltmeter indicating charge levels (green for full, yellow for insufficient, red for recharge) and the battery charger.

2. Assemble the Spray Wand:

Connect the spray wand to the hose. Ensure all connections are tight to prevent leaks. The wand is 35.8 inches long.

3. Attach Nozzles:

Select the desired nozzle from the four included types (single head misting, double-ended cone, fan, shower head) and securely attach it to the end of the spray wand.



Image: Visual representation of the four interchangeable nozzles: single head misting, double-ended cone, fan, and shower head, along with the spray bar.

4. Prepare for Backpack Use:

If using as a backpack sprayer, attach the wide, padded shoulder straps to the designated mounting holes on the sprayer body. Adjust the straps for a comfortable and secure fit, ensuring the soft lower back pad is positioned correctly.



Image: Close-up view of the ergonomic backpack design featuring wide padded shoulder straps, adjustable straps, and lumbar support for user comfort.

5. Prepare for Wheeled Cart Use:

If using with the wheeled cart, ensure the cart is securely attached. The handle is adjustable; extend it to a comfortable height for pulling. When not in use, the shoulder straps and spray nozzle can be stored in the belt box on the cart.

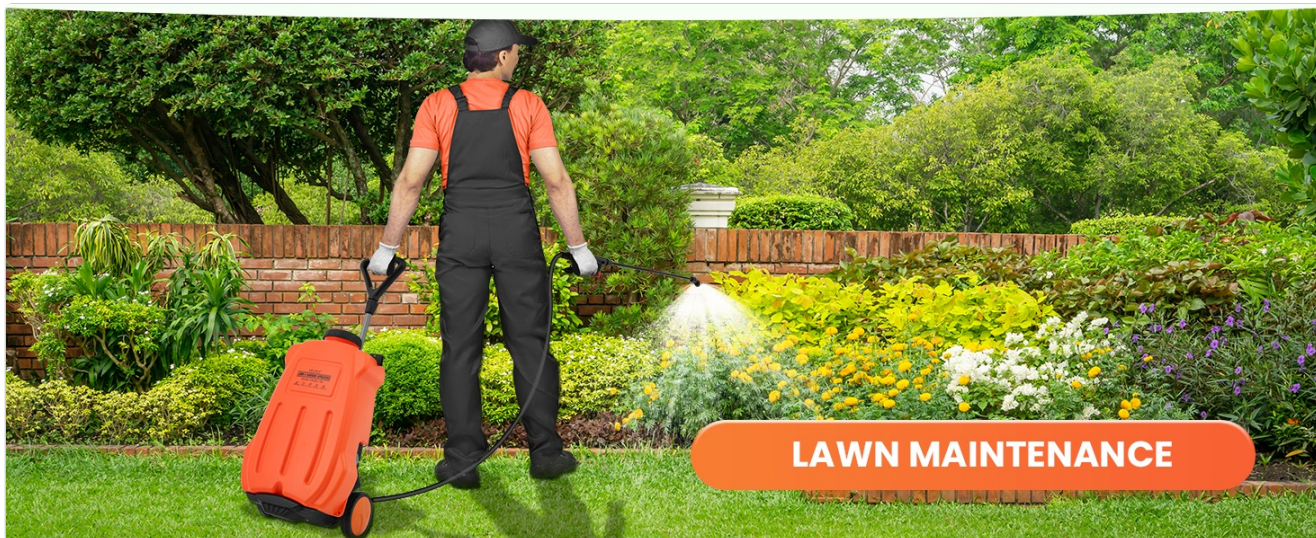


Image: Diagram showing how to remove the wheeled cart by turning a knob, illustrating the two modes of use.



Image: The mobile cart with a belt box for storing shoulder straps and the spray nozzle when the sprayer is used in cart mode.

6. Fill the Tank:

Unscrew the wide mouth lid. The tank has a built-in filter screen to prevent debris from entering. Fill the tank with the desired liquid, observing the translucent tank with gallon markings for precise measurements. Do not overfill. Securely fasten the lid after filling.



Image: A person filling the sprayer tank, showing the wide opening and internal filter screen.

OPERATING INSTRUCTIONS

1. Power On and Adjust Pressure:

Locate the power switch on the sprayer body and turn it to the "ON" position. Use the adjustable PSI knob to set the desired spray pressure, ranging from 0 to 94 PSI. Rotate the knob clockwise to increase pressure and counter-clockwise to decrease it.

MOBILE CART WITH BELT BOX

When you are using the cart mode, you can place the shoulder straps of the backpack and the spray nozzle that is not in use inside.



Image: Close-up views of the sprayer's features, including the tank with water level line, wide mouth lid with strainer, power switch, adjustable PSI knob, and spray gun snap.

2. Begin Spraying:

Point the nozzle towards the target area. The spray wand features a locking ring for continuous spraying or a trigger for intermittent spraying. Push the red lever forward for continuous spray, or squeeze the trigger for intermittent spray.

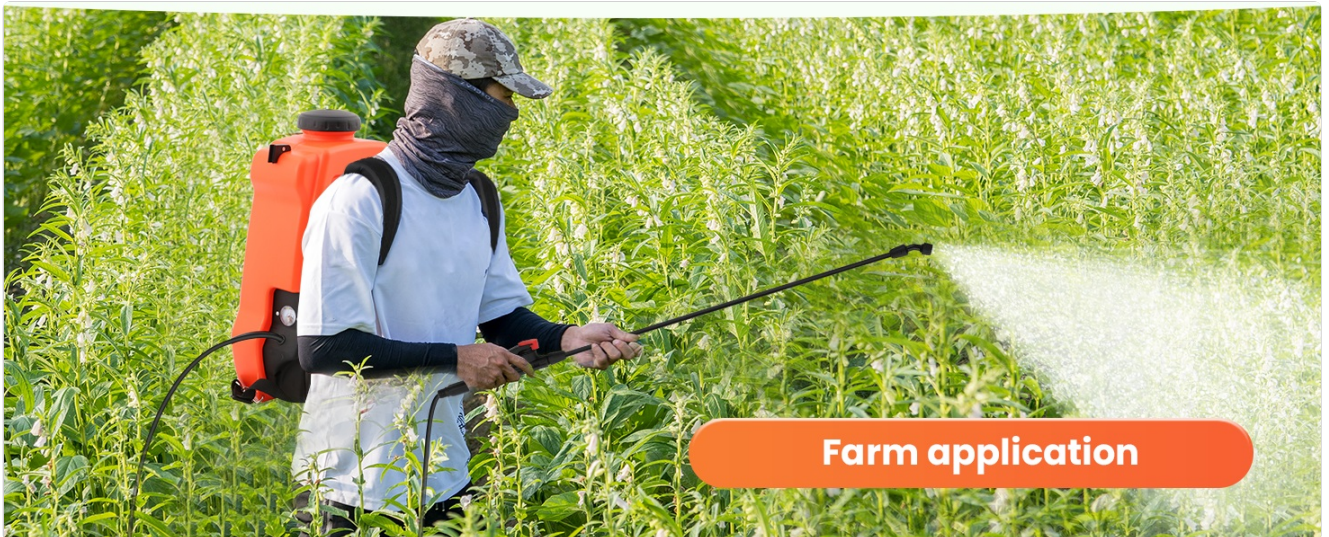


Image: Diagram showing the two modes of water switch control: intermittent spray (trigger release) and continuous spray (lever locked forward).

3. Switching Modes (Backpack vs. Pulling):

The sprayer can be used as a backpack unit or pulled using the wheeled cart. Choose the mode that best suits your task and terrain.

CONTROL OF WATER SWITCH

Can be sprayed continuously or intermittently

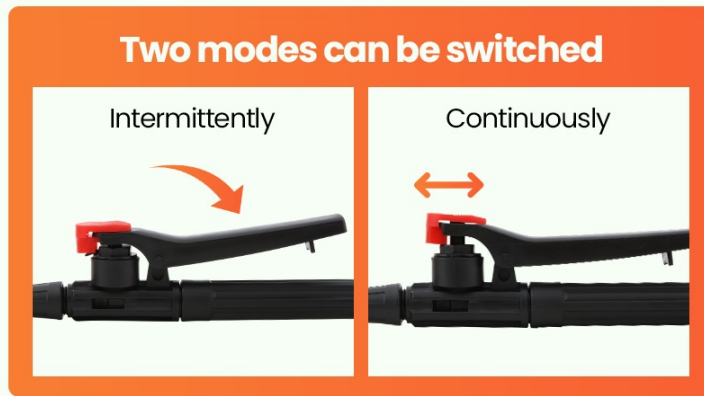


Image: Comparison of the sprayer being used in pulling mode with the wheeled cart and in backpack mode, demonstrating versatility.

4. After Use:

When finished spraying, turn the power switch to "OFF". Depressurize the system by spraying any remaining liquid until the pressure is released. Clean the tank and nozzles as described in the Maintenance section.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sprayer.

- **Cleaning the Tank:** After each use, empty any remaining liquid. Rinse the tank thoroughly with clean water. For chemical residues, use a mild detergent solution, then rinse multiple times with clean water.
- **Cleaning Nozzles and Wand:** Remove the nozzles and rinse them with clean water. If clogged, use a soft brush or needle to clear any blockages. Flush the spray wand with clean water.
- **Battery Care:** Store the battery in a cool, dry place. For long-term storage, ensure the battery is partially charged (around 50%). Recharge the battery every 3-6 months to maintain its health. Do not store the battery in extreme temperatures.
- **Filter Screen:** Periodically check and clean the filter screen located at the tank's inlet to prevent debris from entering the pump.
- **General Inspection:** Regularly inspect hoses, connections, and the wand for any signs of wear, cracks, or damage. Replace damaged parts immediately.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No spray or weak spray	- Battery is low or uncharged. - Nozzle is clogged. - Filter screen is clogged. - Tank is empty. - Hose or connection leak.	- Charge the battery. - Clean or replace the nozzle. - Clean the filter screen. - Refill the tank. - Check all connections and tighten or replace as needed.
Sprayer pump runs but no liquid sprays	- Air in the system. - Nozzle completely blocked. - Suction tube blocked.	- Ensure tank is sufficiently full. Prime the pump by briefly opening the nozzle. - Clean the nozzle thoroughly. - Check and clear the suction tube inside the tank.
Handle for wheeled cart detaches or twists	- Compression fitting not tight enough. - Heavy load in tank.	Ensure the handle's locking mechanism is fully engaged and tightened. Avoid excessive force when pulling, especially on uneven terrain or with a full tank. Consider carrying the sprayer as a backpack for very heavy loads or rough surfaces.

WARRANTY AND SUPPORT

VELPAX products are manufactured to high-quality standards. For warranty information, technical support, or replacement parts, please contact VELPAX customer service. Keep your purchase receipt as proof of purchase.

Contact Information: Refer to the product packaging or the official VELPAX website for the most current customer service contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question