Petra HD4000



PetraTools HD4000 Battery Powered Backpack Sprayer

Instruction Manual

1. Introduction

Thank you for choosing the PetraTools HD4000 Battery Powered Backpack Sprayer. This innovative sprayer is designed to provide efficient and effortless application of various liquids for your lawn, garden, and pest control needs. With its long-lasting battery life, comfortable design, and versatile features, the HD4000 simplifies your outdoor tasks. This manual provides detailed instructions for safe operation, proper maintenance, and effective troubleshooting to ensure optimal performance and longevity of your sprayer.

2. Safety Information

WARNING: Always read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate protective clothing, eye protection, and gloves when handling chemicals.
- Keep the tank pressurized within the recommended range (40-90 PSI) to prevent leaks or accidents.
- After each use, clean the sprayer thoroughly and dispose of any remaining chemicals according to local

regulations.

- Do not spray flammable liquids or use the sprayer near open flames.
- Keep children and pets away from the spraying area.

3. Package Contents

Your PetraTools HD4000 package includes all essential components for immediate use:



Image: A detailed view of all components included with the PetraTools HD4000 sprayer, such as the tank, wand, nozzles, charger, and user manual.

- 1 x 4 Gallon Translucent Tank with Gallon Marker
- 1 x 12V8AH Lead-Acid Battery (Pre-installed)
- 1 x Battery Charger
- 1 x Extendable HD Wand (34.5 inches)
- 1 x Premium 4-Foot Hose

- 1 x Valve Handle with Locking Feature
- 6 x Versatile Spray Nozzles (Shower Head, 2-in-1 Mist to Stream, Double Head Mist, Single Head Misting, Fan-Flat, Brass Nozzle)
- 1 x Measuring Cup
- 1 x Screen Filter
- Padded Straps and Back Pad
- Spare O-Rings and Fuse
- Wand Holders
- 1 x User Manual

4. Setup

Follow these steps to prepare your sprayer for first use:

1. **Charge the Battery:** Fully charge the 12V8AH battery before initial use. Connect the charger to the charging port located on the side of the sprayer and plug it into a standard wall outlet. The indicator light on the charger will turn green when fully charged (approximately 6-8 hours).
2. **Attach Backpack Straps:** Secure the padded straps to the designated attachment points on the sprayer tank. Adjust the straps for a comfortable and secure fit on your back.
3. **Install Wand Holders:** Attach the orange wand holders to the side of the tank using the provided hardware. These will securely hold the wand when not in use.
4. **Connect Hose and Wand:** Attach one end of the 4-foot hose to the sprayer's outlet at the bottom of the tank. Secure the other end of the hose to the valve handle. Finally, attach the extendable wand to the valve handle. Ensure all connections are tight to prevent leaks.



Image: Close-up of the padded backpack straps and back pad, highlighting the comfort features for extended use.

Your browser does not support the video tag.

Video: An unboxing and initial setup guide for the PetraTools HD4000 sprayer, demonstrating how to assemble the components and prepare for first use.

5. Operating Instructions

Operating your HD4000 sprayer is straightforward:

1. **Fill the Tank:** Unscrew the wide-mouth lid and use the measuring cup to add your desired liquid solution. The translucent tank with a gallon marker allows easy monitoring of liquid levels. Ensure the screen filter is in place to prevent clogs. Securely fasten the lid after filling.
2. **Select Nozzle:** Choose one of the 6 versatile nozzles based on your application needs. Twist the selected nozzle onto the end of the wand until secure.
3. **Adjust Pressure:** Turn the adjustable pressure knob on the side of the sprayer to set the desired pressure between 40-90 PSI. For maximum PSI, ensure the red switch is turned on.

4. **Begin Spraying:** Turn on the sprayer using the ON/OFF switch. Squeeze the valve handle to begin spraying. The locking feature on the handle reduces user fatigue during continuous operation.



Image: Illustration of the six different Petraflow nozzles included with the sprayer, detailing their spray patterns and recommended uses.



Image: A person using the sprayer, demonstrating the extendable wand's ability to reach high or distant areas with ease.

Your browser does not support the video tag.

Video: A detailed review of the PetraTools 4 Gallon Battery Powered Backpack Sprayer, showcasing its features and practical application in various outdoor tasks.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your sprayer:

- **Cleaning After Use:** After each use, empty any remaining solution from the tank. Rinse the tank thoroughly with clean water. Spray clean water through the wand and nozzles for a few minutes to flush out any chemical residue. This prevents clogging and corrosion.
- **Battery Care:** Recharge the battery after each use to maintain its life. Store the sprayer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Filter and Nozzle Inspection:** Regularly check the screen filter for debris and clean if necessary. Inspect

nozzles for wear or damage and replace if spray patterns become inconsistent.

- **Seal Rings and Fuse:** Periodically check the seal rings for any signs of wear or cracking. Replace them with the provided spare O-rings if needed. Ensure the fuse is intact and replace it if blown.



Image: Features highlighting the wide mouth lid with strainer, comfort handle, and translucent tank for easy monitoring and cleaning.

7. Troubleshooting

If you encounter any issues with your PetraTools HD4000, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No spray or weak spray	Clogged nozzle or filter, low battery, kinked hose.	Clean nozzle/filter, recharge battery, straighten hose.
Leaking from connections	Loose connections, worn O-rings.	Tighten connections, replace O-rings.

Problem	Possible Cause	Solution
Sprayer not turning on	Battery not charged, faulty switch, blown fuse.	Charge battery, check switch, replace fuse.
Inconsistent pressure	Air in pump, partially clogged components.	Prime the pump by spraying water, clean all components.

8. Specifications

Feature	Detail
Brand	Petra
Model Name	HD4000
Item Model Number	PT-1400
Tank Volume	4 Gallons
Power Source	Battery Powered (12V8AH Lead-Acid Battery)
Battery Life	6-8 Hours (200+ gallons per charge)
Maximum Pressure	90 PSI (Adjustable 40-90 PSI)
Hose Length	48 Inches
Wand Length	34.5 Inches (Extendable)
Item Weight	16.46 pounds (7.48 Kilograms)
Product Dimensions	9.2"W x 20.8"H
Material	Plastic
Color	White and Orange
Recommended Uses	Pest Control, Watering, Weed Control

9. Warranty & Support

PetraTools is a family-owned American business committed to customer satisfaction. Your HD4000 sprayer is backed by a 100% customer satisfaction guarantee.
For any questions, concerns, or to register for your extended warranty and free products, please contact our dedicated support team:

Phone: (800) 613-6889

Availability: Monday - Friday | 9am - 6pm EST

Website: www.petratools.com

Our team is ready to assist you 24/7 to ensure you achieve results you can be proud of.

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