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NPGLOBAL NPG-120

NPGLOBAL Battery Powered Backpack Sprayer User Manual

Model: NPG-120

INTRODUCTION

Thank you for choosing the NPGLOBAL Battery Powered Backpack Sprayer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your sprayer. Please read this manual thoroughly before initial use and retain it for future reference.



Image: The NPGLOBAL Battery Powered Backpack Sprayer, 4.2 Gallon capacity, shown in use by an individual.

IMPORTANT SAFETY INFORMATION

WARNING: Always use the trigger lock when the sprayer is not in use to prevent accidental activation and potential injury. Read all instructions before operating the sprayer.

- Wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and a mask when handling chemicals.
- Do not spray flammable liquids or use the sprayer near open flames or ignition sources.
- Ensure the tank lid is securely fastened before operating.
- Keep the sprayer out of reach of children and pets.
- Do not modify the sprayer or its components. Use only original replacement parts.
- Disconnect the power before performing any maintenance or cleaning.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:



Image: An exploded view diagram illustrating the various components included in the NPGLOBAL Backpack Sprayer package, such as the translucent tank, battery, charger, hose, lance, trigger, and multiple nozzles.

- Battery Powered Backpack Sprayer Unit (Translucent Tank with built-in battery)
- High-Pressure Spray Hose
- Stainless Steel Telescopic Lance
- Trigger with Lock
- 8 Assorted Nozzles (Conical Mist, Double Conical Mist, Sectorial Mist, Spraying Flower, Adjustable Spraying Brass, Double Spraying Brass, Flower Adjustable Spraying Brass, Adjustable & Rotatable Spraying Brass)
- Battery Charger
- Mouth Lid Strainer
- Wide Mouth Lid
- 240ml Measuring Bottle
- Replacement Accessories (e.g., Seal Rings)
- Lance Holder

ASSEMBLY AND SETUP

1. **Attach Shoulder Straps:** Connect the padded shoulder straps to the designated attachment points on the sprayer tank. Adjust the straps for a comfortable and secure fit.
2. **Connect Hose:** Securely attach the high-pressure spray hose to the sprayer unit and the trigger assembly. Ensure all connections are tight to prevent leaks.
3. **Assemble Lance:** Connect the telescopic lance to the trigger assembly. Extend the lance to your desired length.
4. **Select Nozzle:** Choose one of the 8 included nozzles based on your application needs and attach it to the end of the lance. Refer to the "Nozzle Selection" section for guidance.
5. **Install Filter:** Ensure the washable water filter is properly seated inside the tank's wide mouth opening before filling.



EXTRA PADDED STRAPS



ADJUSTABLE STRAPS



WIDE MOUTH OPENING



PRESSURE KNOB



VOLTAGE INDICATOR

PROFESSIONAL GRADE SPRAYER

Image: A detailed view of the sprayer's key features, highlighting the extra padded and adjustable shoulder straps, the wide mouth opening for easy filling, the pressure knob for control, and the voltage indicator.

CHARGING THE BATTERY

The sprayer is equipped with a built-in lithium battery. For optimal performance and battery life, follow these charging instructions:

1. Locate the charging port on the sprayer unit.
2. Connect the provided battery charger to the charging port.
3. Plug the charger into a standard electrical outlet.
4. The voltage indicator on the sprayer will show the charging status. Charge until the indicator shows a full charge.
5. A full charge provides approximately 20 tanks of spray time and the battery is designed for over 300 charge cycles.
6. *Note:* For long-term storage, it is recommended to store the battery partially charged (50-80%) rather than fully charged or fully discharged.



Image: The NPGLOBAL sprayer alongside its lithium battery and charger, emphasizing the battery's long life of over 300 charge cycles and capacity for 20 tanks per charge.

OPERATION

Filling the Tank

1. Ensure the sprayer is turned off and the trigger lock is engaged.

2. Unscrew the wide mouth lid.
3. Using the translucent tank, carefully pour your desired liquid solution into the tank. Use the 240ml measuring bottle for accurate mixing if needed. Ensure the mouth lid strainer is in place to prevent debris from entering the tank.
4. Do not overfill the tank beyond the maximum fill line. The tank has a 4.2-gallon capacity.
5. Securely fasten the wide mouth lid. Ensure the o-ring is properly seated to prevent leaks.

Nozzle Selection

The sprayer comes with 8 different nozzles to suit various spraying tasks:



Image: A visual guide to the eight distinct nozzles provided with the sprayer, including Conical Mist, Double Conical Mist, Sectorial Mist, Spraying Flower, Adjustable Spraying Brass, Double Spraying Brass, Flower Adjustable Spraying Brass, and Adjustable & Rotatable Spraying Brass.

- **Conical Mist / Double Conical Mist:** Ideal for fine, even coverage over plants or surfaces.
- **Sectorial Mist:** Provides a fan-shaped spray pattern for broader coverage.
- **Spraying Flower:** Designed for gentle application on delicate plants.
- **Adjustable Spraying Brass / Double Spraying Brass / Flower Adjustable Spraying Brass /**

Adjustable & Rotatable Spraying Brass: Offer versatility for various spray patterns and intensities, suitable for targeted application or wider areas.

Choose the nozzle that best fits the required spray pattern and coverage for your task.

Spraying Procedure

1. Once the tank is filled and the desired nozzle is attached, place the sprayer comfortably on your back using the padded shoulder straps.
2. Turn on the power switch located on the sprayer unit.
3. Adjust the pressure knob controller to your desired working pressure, ranging from 21.8 PSI to 100 PSI. Higher pressure provides a stronger, more direct spray.
4. Disengage the trigger lock.
5. Press the trigger to begin spraying. Release the trigger to stop.
6. For continuous spraying, engage the trigger lock while the trigger is pressed.
7. After use, engage the trigger lock and turn off the power switch.



Image: A person demonstrating the use of the backpack sprayer to clean or treat a driveway, showcasing its application for various tasks.



Image: A person using the backpack sprayer in an orchard, applying solution to fruit trees, illustrating its utility in agricultural or gardening settings.



Image: A person utilizing the backpack sprayer to wash a car, demonstrating the versatility of the adjustable lance for cleaning

MAINTENANCE

Cleaning the Sprayer

1. After each use, empty any remaining solution from the tank.
2. Rinse the tank thoroughly with clean water. Operate the sprayer with clean water for a few minutes to flush the hose, lance, and nozzle.
3. Remove and clean the filter regularly. The filter is washable.
4. Clean the exterior of the sprayer with a damp cloth. Do not immerse the electrical components in water.

Featuring Our **WASHABLE WATER FILTER**



Image: A close-up view of the washable water filter, emphasizing its design for efficient filtration and ease of cleaning.

Storage

- Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures.
- Ensure the tank is empty and clean before storage.
- Engage the trigger lock and turn off the power switch.

- Store the battery with a partial charge (50-80%) if storing for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprayer does not turn on.	Battery is discharged. Power switch is off. Loose wire connection.	Charge the battery. Turn on the power switch. Check for loose connections (if comfortable doing so, otherwise contact support).
No spray or weak spray.	Nozzle is clogged. Filter is clogged. Low battery. Air in the pump (first use). Pressure knob set too low.	Clean the nozzle. Clean the filter. Charge the battery. Allow 30 seconds for pump to prime. Adjust pressure knob to a higher setting.
Leaking from connections.	Loose hose connections. Damaged O-rings/seals. Tank lid not sealed properly.	Tighten all hose connections. Inspect and replace O-rings/seals if damaged. Ensure tank lid is securely fastened and O-ring is seated correctly.

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

SPECIFICATIONS

Feature	Detail
Brand	NPGLOBAL
Model Name	NPG-120
Tank Volume	4.2 Gallons
Maximum Pressure	100 PSI (Pound per Square Inch)
Operating Pressure Range	21.8 PSI to 100 PSI
Flow Rate	4.0 Liters per Minute
Power Source	Battery Powered (Lithium Battery)
Battery Life (per charge)	Up to 20 tanks of spray
Battery Cycle Life	Guaranteed for over 300 charge cycles
Hose Length	4.26 Feet

Feature	Detail
Included Nozzles	8 (Assorted types)
Product Dimensions	16"W x 23"H
Item Weight	10.88 pounds (4.94 Kilograms)
UPC	754194688918

WARRANTY AND SUPPORT

NPGLOBAL stands behind the quality and durability of this battery-operated backpack sprayer. This product is backed by a **Lifetime Warranty**.

If you encounter any issues or are not satisfied for any reason, please contact our customer support team immediately for assistance. Our goal is to provide the best experience possible.

Customer Support:

Phone: 1 (888) 421-3737

Email: hello@npglobal.com

Availability: Monday to Friday, 8 AM to 5 PM EST

For more information or to visit our store, please visit the [NPGLOBAL Store on Amazon](#).

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