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› PRO GARDEN /

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PRO GARDEN part_B07955FVFM

Progarden 16-Liter 12V 10Ah Lead-Acid Battery Sprayer Pump User Manual

Model: part_B07955FVFM

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Progarden 16-Liter 12V 10Ah Lead-Acid Battery Sprayer Pump. Please read this manual thoroughly before initial use to ensure proper handling and to prevent injury or damage to the product.

SAFETY INFORMATION

WARNING: Pressurized liquid can cause injury. Handle with extreme care.

CAUTION: Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water.

IMPORTANT: Do not attempt to disassemble or repair the pump yourself. Contact a specialized technician for any repairs or servicing.

- Always wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and a mask when handling chemicals and operating the sprayer.
- Ensure the area is well-ventilated when mixing and spraying chemicals.
- Do not spray flammable liquids or strong acids/alkalis.
- Keep out of reach of children and pets.
- Store the sprayer in a cool, dry place away from direct sunlight and extreme temperatures.
- Before each use, inspect the sprayer for any signs of damage, leaks, or wear. Do not use if damaged.

PRODUCT OVERVIEW

The Progarden Battery Sprayer is a versatile backpack unit designed for efficient application of liquids in gardening and agricultural tasks. It features an ergonomic design for comfortable use and a powerful 12V 10Ah lead-acid battery for extended operation.



Figure 1: Progarden 16-Liter Battery Sprayer Pump. This image shows the main unit of the sprayer, which is a translucent white tank with a green base and lid, and the detached spray lance with a nozzle at the top and a handle with a trigger at the bottom.

Key Components:

- **Main Tank:** 16-liter capacity, backpack design.
- **Spray Lance:** Foldable with adjustable arm.
- **Nozzles:** Includes 4 different nozzles for various spray patterns.
- **Seals and Gaskets:** Ensures leak-proof operation.
- **Shoulder Straps:** Ergonomic design for comfortable carrying.
- **Battery:** 12V 10Ah lead-acid battery.
- **Charger:** AC100-240V 50/60Hz input, DC12V output.

SETUP

- 1. Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the "Key Components" section are present.
- 2. Battery Charging:** Before first use, fully charge the battery. Connect the charger to the charging port on the sprayer and plug it into a standard electrical outlet. The charging indicator light will show the charging status. A full charge takes approximately 5-6 hours.
- 3. Lance Assembly:** Attach the spray lance to the main unit. Ensure all connections are secure and tight to prevent leaks.
- 4. Nozzle Selection:** Choose the appropriate nozzle for your application and attach it to the end of the spray lance.
- 5. Shoulder Straps Adjustment:** Adjust the ergonomic shoulder straps for a comfortable and secure fit on your back. The sprayer is reversible for both right and left-hand use.

OPERATING INSTRUCTIONS

- 1. Filling the Tank:** Ensure the sprayer is on a stable, level surface. Unscrew the tank lid and carefully pour the desired liquid into the 16-liter tank. Do not overfill. Securely close the lid.
- 2. Powering On:** Locate the power switch (usually near the base of the unit) and turn the sprayer ON. The pump will begin to pressurize the tank.
- 3. Spraying:** Hold the spray lance firmly. Press the trigger on the lance handle to begin spraying. Release the trigger to stop.
- 4. Adjusting Pressure:** The sprayer operates at a maximum pressure of 0.5-0.5 MPa. Some models may have a pressure adjustment knob; refer to specific markings on your unit if available.
- 5. Battery Life:** A fully charged battery can spray approximately 400-480 kg of liquid. Monitor the battery indicator (if present) to avoid running out of power during operation.
- 6. After Use:** After spraying, turn off the power switch. Release any remaining pressure by briefly pressing the trigger.

MAINTENANCE

- Cleaning:** After each use, thoroughly rinse the tank, lance, and nozzles with clean water. Spray clean water through the system to flush out any chemical residues. This prevents clogging and extends the life of the sprayer.
- Battery Care:** Recharge the battery after each use, even if not fully depleted, to maintain battery health. If storing for an extended period, charge the battery every 2-3 months. Store the battery in a cool, dry place.
- Nozzle Maintenance:** Regularly check nozzles for blockages. Clean them with a soft brush or needle if necessary.
- Seal Inspection:** Periodically inspect all seals and gaskets for wear or damage. Replace them if they show signs of cracking or deterioration to prevent leaks.
- Storage:** Store the sprayer in a dry, frost-free environment, away from direct sunlight and corrosive chemicals. Ensure the tank is empty and clean before storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprayer not turning on	Battery is discharged; Power switch is OFF; Loose battery connection.	Charge the battery; Turn the power switch ON; Check battery connections.
No spray or weak spray	Nozzle clogged; Low liquid level; Air in the system; Pump malfunction.	Clean the nozzle; Refill the tank; Prime the pump (if applicable); Contact service.
Leaks from connections	Loose connections; Damaged seals/gaskets.	Tighten all connections; Inspect and replace damaged seals/gaskets.
Short battery life	Battery not fully charged; Old/worn battery.	Ensure full charge; Consider battery replacement if performance degrades significantly.

SPECIFICATIONS

- **Model:** part_B07955FVFM
- **Brand:** PRO GARDEN
- **Tank Capacity:** 16 Liters
- **Battery Type:** Lead-Acid
- **Battery Voltage:** 12V
- **Battery Capacity:** 10Ah
- **Charger Input:** AC100-240V, 50/60Hz
- **Charger Output:** DC12V
- **Max Pressure:** 0.5 - 0.5 MPa
- **Power Consumption:** 0.3 kW
- **Charge Duration:** Approx. 5-6 hours
- **Spraying Yield per Charge:** 400-480 kg of liquid
- **Dimensions (L x W x H):** 36 x 16 x 51 cm (14.17 x 6.3 x 20.08 inches)
- **Net Weight:** 5.0 kg (11.02 lbs)
- **Material:** High-Density Polyethylene (HDPE)
- **Included Components:** Charger, Shoulder Strap

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your local PRO GARDEN authorized dealer or customer service. Do not attempt to repair the product yourself, as this may void the warranty.

For further assistance, please visit the official PRO GARDEN website or contact their customer support line.

