

## Avalon AV900-001-0003

# Avalon 16L Backpack Electric Sprayer User Manual

Model: AV900-001-0003

## 1. INTRODUCTION

Thank you for choosing the Avalon 16L Backpack Electric Sprayer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new sprayer. Please read this manual thoroughly before initial use and retain it for future reference.

This electric sprayer is designed for various applications including watering, pest control, and weed control in gardens and agricultural settings. Its 16-liter capacity and rechargeable battery offer convenience and portability.

## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the product:

- 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 corrosive substances.
- Keep the sprayer away from children and pets.
- Ensure the battery charger is used in a dry environment and disconnected when not in use.
- Do not immerse the sprayer in water.
- Always use the sprayer in a well-ventilated area.
- Before performing any maintenance, ensure the sprayer is turned off and depressurized.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Avalon 16L Backpack Electric Sprayer (Green)
- Two Lances (one main, one spare)
- Assorted Nozzles

- Rechargeable Battery (integrated)
- Battery Charger
- Spare Pump



Figure 3.1: The complete Avalon 16L Backpack Electric Sprayer kit, including the main green tank, two lances, various nozzles, a replacement pump, and the battery charger.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your sprayer:

- **16-Liter Tank:** Main reservoir for liquids.
- **Backpack Straps:** Adjustable and padded for comfortable carrying.
- **Ergonomic Backrest:** Designed for user comfort during prolonged use.
- **Power Switch:** Controls the sprayer's operation.
- **Charging Port:** For connecting the battery charger.
- **Filter:** Prevents debris from entering the pump and nozzle.
- **Lances:** For directing the spray. Two are included for versatility or as a spare.
- **Nozzles:** Interchangeable for different spray patterns.



Figure 4.1: Ergonomic backrest and padded, adjustable shoulder straps for comfortable carrying.



Figure 4.2: Top view detailing the electrical power input, internal filter, and additional storage compartments.

## 5. SETUP

### 5.1 Charging the Battery

Before first use, fully charge the battery. Connect the charger to the charging port on the sprayer and then plug it into a standard electrical outlet. The indicator light on the charger will show the charging status (typically red for charging, green for fully charged). Charging time may vary.



Figure 5.1: The included battery charger for the Avalon electric sprayer.

## 5.2 Attaching the Backpack Straps

The backpack straps need to be properly attached and adjusted for comfortable use.

1. Unfold the straps from the sprayer.
2. Attach both straps to the upper attachment points on the sprayer.
3. Secure one strap to a lower clasp.
4. While holding the sprayer, attach the second strap to the remaining lower clasp.
5. Adjust the strap length to fit comfortably on your back.
6. Ensure all connections are secure before filling the tank.

## Montaje sencillo



1  
Saque las asas del pulverizador y doble la tela



2  
Coloque ambas asas y ajústelas a su medida



3  
Coloque en un lado uno de los cierres inferiores y apriete



4  
Ate la segunda asa teniendo el pulverizador a su espalda



5  
Ajuste el pulverizador a su espalda y revise



6  
Ya puede empezar a pulverizar

Figure 5.2: A visual guide demonstrating six steps for attaching and adjusting the backpack straps to the sprayer.

### 5.3 Filling the Tank

Unscrew the tank lid and pour the desired liquid into the 16-liter tank. Ensure the liquid is free of large debris that could clog the filter or nozzle. Do not overfill. Securely fasten the lid after filling.

### 5.4 Attaching the Lance and Nozzle

Connect the desired lance to the sprayer's hose outlet. Then, screw your chosen nozzle onto the end of the lance. Ensure all connections are tight to prevent leaks.

## 6. OPERATING INSTRUCTIONS

### 6.1 Starting the Sprayer

Once the tank is filled and the lance/nozzle are attached, put on the backpack sprayer. Turn on the power switch located on the sprayer. The pump will activate, building pressure.

### 6.2 Spraying

Press the trigger on the lance handle to begin spraying. Release the trigger to stop. Adjust the nozzle to

achieve the desired spray pattern (e.g., fine mist, stream).



Figure 6.1: A close-up image of the sprayer nozzle actively dispensing liquid, illustrating the spray pattern.

### 6.3 Stopping and Depressurizing

When finished, turn off the power switch. To relieve any remaining pressure in the system, point the nozzle

in a safe direction and briefly press the trigger until no more liquid is dispensed.

## 7. MAINTENANCE

### 7.1 Cleaning

After each use, especially when using chemicals, rinse the tank thoroughly with clean water. Operate the sprayer with clean water for a few minutes to flush the pump, hose, and nozzle. This prevents chemical residue buildup and extends the life of the components.

### 7.2 Filter Cleaning

Regularly inspect and clean the filter located at the tank's opening. Remove any accumulated debris to ensure proper flow and prevent pump strain.

### 7.3 Battery Care and Storage

Store the sprayer in a cool, dry place, away from direct sunlight and extreme temperatures. For optimal battery life, charge the battery fully before storing for extended periods and recharge every 3-6 months if not in use.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprayer not turning on	Battery discharged; Power switch off; Loose connection	Charge battery; Turn on switch; Check connections
No spray or weak spray	Nozzle clogged; Filter clogged; Low liquid level; Air in system; Pump issue	Clean nozzle; Clean filter; Refill tank; Prime pump; Check spare pump
Leaking	Loose connections; Damaged O-rings/seals	Tighten all connections; Inspect and replace O-rings/seals if damaged
Pump runs but no spray	Air in system; Clogged hose/lance; Pump malfunction	Prime pump; Clear obstructions; Consider using spare pump

## 9. SPECIFICATIONS




Feature	Specification
Model Name	Pack Avalon 2 Lances
Item Model Number	AV900-001-0003
Brand	Avalon
Tank Volume	16 Liters
Product Dimensions (L x W x H)	34 x 14 x 45 cm
Material	Plastic




Feature	Specification
Power Source	Battery Powered
Maximum Pressure	6.2 Bars
Color	Green
Recommended Product Uses	Watering, Pest Control, Weed Control
Included Components	Nozzles and Battery Charger

## 10. WARRANTY AND SUPPORT

For information regarding warranty coverage, spare parts availability, or technical support, please refer to the product packaging or contact Avalon customer service directly. Keep your purchase receipt as proof of purchase.

### Related Documents - AV900-001-0003

	<p><a href="#">Avalon Nano 3 Test Instructions and Operation Guide</a></p> <p>Comprehensive guide for the Avalon Nano 3, detailing power-on procedures, button functions (Power, Switch), light effects, air speed control, network setup via the Avalon Remote App, and FCC compliance information.</p>
	<p><a href="#">Avalon Nano 3 Test Instructions and FCC Compliance</a></p> <p>Comprehensive test instructions for the Avalon Nano 3, covering power-on, button usage, and network configuration, along with FCC compliance information.</p>
	<p><a href="#">Avalon Water Cooler Base: Installation Guide and Features</a></p> <p>This guide provides installation instructions for the Avalon water cooler base, detailing its features such as height extension and anti-tip technology. Find support contact information and connect with Avalon on social media.</p>

	<p><a href="#">Avalon Water Dispenser Machine Installation Guide</a></p> <p>Step-by-step instructions for installing an Avalon water dispenser, including safety warnings and visual descriptions of the installation process.</p>
	<p><a href="#">Avalon Water Cooler Use and Care Guide</a></p> <p>Comprehensive guide for Avalon water coolers, covering setup, operation, cleaning, and troubleshooting for models A1CTWTRCLRWHT and A1CTWTRCLRBLK.</p>
	<p><a href="#">Avalon A14/A14BLK Use and Care Guide</a></p> <p>Comprehensive guide for Avalon A14 and A14BLK water coolers, covering setup, operation, maintenance, troubleshooting, and safety information for perfect water delivery.</p>