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Stihl SGA 2000

Stihl SGA 2000 Cordless Battery Backpack Sprayer User Manual

Model: SGA 2000

1. Introduction

Thank you for choosing the Stihl SGA 2000 Cordless Battery Backpack Sprayer. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new sprayer. Please read this manual thoroughly before first use and keep it for future reference.


STIHL
SGA 2000

Image: Front view of the Stihl SGA 2000 Cordless Battery Backpack Sprayer, showcasing its white tank with orange accents and the attached spray lance.

2. Safety Information

Always observe general safety precautions when operating any power tool, especially when handling chemicals.

- **Read the Manual:** Familiarize yourself with all controls and proper use.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including eye protection, gloves, and respiratory protection, as recommended by the chemical manufacturer.
- **Chemical Handling:** Follow all instructions and safety warnings on chemical labels. Do not spray flammable liquids.
- **Battery Safety:** Use only the specified charger and battery. Do not expose the battery to extreme temperatures or moisture.
- **Electrical Safety:** Ensure the charging port is dry before connecting the charger.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Storage:** Store the sprayer and chemicals in a secure, cool, dry place, out of reach of children.

3. Product Overview

The Stihl SGA 2000 is a cordless battery-powered backpack sprayer designed for efficient application of liquids in agricultural, garden, and landscaping tasks. It features a 20-liter tank, multiple nozzle options, and a long-lasting battery.

3.1 Key Features

- **Powerful Cordless Performance:** Lithium-Ion battery provides consistent spraying without manual pumping.
- **Large Tank Capacity:** 20-liter tank for extended operation.
- **Long Runtime:** Up to 8 hours of continuous operation on a full charge.
- **Multiple Operating Modes:** Spray, Stirring, or Spray + Stirring modes.
- **High Pressure Output:** Up to 6 Bar maximum pressure.
- **Interchangeable Nozzles:** Includes adjustable brass, double conical, single, and windproof 6-hole nozzles.
- **Adjustable Pressure Regulator:** For precise control of spray pressure and flow.
- **Extendable Spray Lance:** Adjustable from 60 cm to 100 cm.
- **Durable Diaphragm Pump:** Ensures stable pressure and consistent application.
- **Low Maintenance & Eco-Friendly:** Battery-powered operation reduces noise and emissions.

3.2 Components



Image: An annotated diagram highlighting key components of the Stihl SGA 2000, including the carrying handle, tank lid with strainer, waist & hip support, comfort harness, spray gun trigger, variable nozzle options, on/off button, pressure regulator, and charging port.

1. Powerful, sturdy diaphragm pump (constant pressure for even dispensing of liquids)
2. Carrying Handle
3. Tank Lid with Strainer
4. Waist & Hip Support
5. Comfort Harness with Back Lumbar Support
6. IPX4 Protection (splash water from all directions)
7. Spray Gun Trigger with Locking System
8. Variable Nozzle Options
9. On/Off Button, Pressure Regulator, Charging Port

3.3 Included Components

- STIHL Battery Backpack Sprayer SGA 2000
- Adjustable Brass Nozzle
- Double Conical Nozzle
- Single Nozzle
- Windproof 6-hole Nozzle

4. Setup

4.1 Charging the Battery

Before first use, fully charge the integrated 12V 10Ah battery.

1. Locate the charging port (9) on the sprayer base. Ensure it is clean and dry.
2. Connect the charger to the charging port.
3. Plug the charger into a suitable power outlet.

4. Allow the battery to charge until the indicator shows a full charge. A full charge provides up to 8 hours of continuous operation.
5. Disconnect the charger and replace the rubber cover on the charging port.



Image: A detailed view of the sprayer's user interface, showing the On/Off switch, pressure regulating knob, and the 12V battery charging port with its protective rubber cover.

4.2 Attaching the Spray Lance and Nozzle

1. Connect the spray hose to the sprayer outlet.
2. Attach the desired nozzle to the end of the spray lance. The sprayer comes with four interchangeable nozzles: adjustable brass, double conical, single, and windproof 6-hole.
3. Ensure all connections are secure to prevent leaks.



Image: A visual representation of the four different nozzle types included with the Stihl SGA 2000: Adjustable Brass Nozzle (Spray + Jet Mode), Single Nozzle, Double Conical Nozzle, and Windproof Nozzle (6-Holes).

4.3 Filling the Tank

1. Ensure the sprayer is turned off and on a stable, level surface.
2. Unscrew the tank lid (3) and remove the strainer.
3. Carefully pour the desired liquid into the 20-liter tank, observing the measuring scales.
4. Replace the strainer and securely fasten the tank lid.



Image: A close-up view of the built-in stirring system located at the bottom of the sprayer tank, designed for uniform chemical mixing.

5. Operating Instructions

5.1 Powering On/Off

- To turn on the sprayer, press the On/Off button (9).
- To turn off the sprayer, press the On/Off button again.

5.2 Selecting Operating Modes

The SGA 2000 offers three operating modes:



Image: A diagram illustrating the three user-selectable spraying modes: Spraying Mode Only, Spraying with Stirring Mode, and Stirring Mode Only, along with a view of the mode selector switch.

1. **Spraying Mode Only:** For direct application of liquids.
2. **Spraying with Stirring Mode:** Activates both spraying and the internal stirring mechanism for consistent mixture.
3. **Stirring Mode Only:** Activates only the internal stirring mechanism to keep solutions mixed without spraying.

Use the mode selector switch on the sprayer base to choose the desired mode.

5.3 Adjusting Pressure

The pressure regulator knob (9) allows you to control the spray pressure and liquid flow. Turn the knob clockwise to increase pressure and counter-clockwise to decrease pressure. Adjust according to the specific application and chemical requirements.

5.4 Spraying

1. Ensure the sprayer is on and the desired mode is selected.
2. Hold the spray lance firmly and aim the nozzle at the target area.
3. Press the spray gun trigger (7) to begin spraying.
4. For continuous operation, engage the trigger locking system.
5. Release the trigger to stop spraying.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Stihl SGA 2000 sprayer.

6.1 Cleaning the Sprayer

1. After each use, empty any remaining liquid from the tank.
2. Rinse the tank thoroughly with clean water. Operate the sprayer with clean water for a few minutes to flush the pump, hose, and nozzle.
3. Clean the tank lid and strainer.
4. Disassemble and clean the nozzles to prevent clogging.
5. Wipe down the exterior of the sprayer with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Battery Care

- Always fully charge the battery before storing the sprayer for extended periods.
- Store the sprayer in a cool, dry place.
- Avoid completely draining the battery frequently, as this can reduce its lifespan.

6.3 Storage

Store the sprayer in a dry, frost-free location, away from direct sunlight and out of reach of children. Ensure the tank is empty and clean.

7. Troubleshooting

This section addresses common issues you might encounter with your Stihl SGA 2000 sprayer.

Problem	Possible Cause	Solution
Sprayer does not turn on.	Battery is discharged. On/Off button malfunction.	Charge the battery. Contact customer support if the button is faulty.
No spray or weak spray.	Nozzle clogged. Tank empty or low. Pressure regulator set too low. Pump malfunction.	Clean the nozzle. Refill the tank. Adjust pressure regulator. Contact customer support.
Liquid leaking from connections.	Loose connections. Damaged seals/gaskets.	Tighten all connections. Inspect and replace damaged seals/gaskets.
Stirring function not working.	Incorrect mode selected. Stirring mechanism clogged.	Select "Spraying with Stirring" or "Stirring Mode Only". Clean the tank and stirring mechanism.

8. Specifications

Technical details for the Stihl SGA 2000 Cordless Battery Backpack Sprayer.

Feature	Detail
Brand	Stihl
Model Name	STIHL Battery Backpack Sprayer SGA 2000
Model Number	SGA 2000

Feature	Detail
Tank Volume	20 Litres
Power Source	Battery Powered (Integrated 12V 10Ah Lithium-Ion)
Maximum Pressure	6 Bars
Runtime	Up to 8+ hours (480+ minutes)
Hose Length	120 Centimetres
Extendable Spray Lance	60 cm to 100 cm
Item Weight	3.8 Kilograms
Product Dimensions (W x H)	57W x 27H Centimeters
Included Nozzles	Adjustable Brass, Double Conical, Single, Windproof 6-hole
IP Rating	IPX4 (Protection against splash water)

9. Warranty and Support

9.1 Warranty Information

Stihl products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Stihl website. Extended warranty options may be available from third-party providers.

9.2 Customer Support

For technical assistance, spare parts, or service, please contact your authorized Stihl dealer or the manufacturer directly.

- **Manufacturer:** ANDREAS STIHL AG & Co. KG
- **Importer Contact Information:** ANDREAS STIHL AG & Co. KG
- **Country of Publication:** Germany
- **Official Stihl Website:** www.stihl.com (Please check for your regional website)

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