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ORIGINAL INSTRUCTIONS

For the use of the battery-powered back sprayer type

BATTERY-POWERED BACK SPRAYER LIJON 12I

Dear customers, we thank you for the trust you have placed in us by purchasing our sprayers. Every sprayer manufactured by us is carefully designed, tested and subject to strict quality control.

However, the service life of the sprayer will largely depend on the use and maintenance of the sprayer.

Also, your safety and the safety of your environment depend on the way you use and handle the sprayer.

Therefore, please study carefully and get acquainted in detail with the contents of this manual, and make sure to FULLY COMPLY WITH THE RECOMMENDATIONS AND WARNINGS listed in the instructions.

This manual applies to the battery-powered back sprayer manufactured by POLINS DOO for the sprayer model:

BATTERY-POWERED BACK SPRAYER LIJON 12I

art: 8050

Please keep this manual for future reference.

Please pay special attention to the parts of the instruction marked with this sign:

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1. INTENDED USE

Back sprayer type BATTERY-POWERED BACK SPRAYER LiJON 12l can ONLY be used for water-soluble agents intended for plant care: herbicides, insecticides, fungicides and plants nutrition products.

Be advised that the sprayer is not intended for use by children, persons with reduced psychophysical, sensory and intellectual abilities.

When handling the sprayer, be sure to follow the INSTRUCTIONS, PROTECTION MEASURES AND ENVIRONMENTAL PROTECTION MEASURES.

The sprayer user is solely responsible for the consequences of improper use of the sprayer.

2. CONTENTS OF THE PACKAGE

1. Sprayer tank, with pump, battery and elements for handling the sprayer, carrying strap and sprayer hose
2. Sprayer extension

3. Automatic battery charger
4. Lithium battery
5. Instruction manual

3. SPRAYER DESCRIPTION AND TECHNICAL INFORMATION

The BATTERY-POWERED BACK SPRAYER LIJON 12I is a battery-powered sprayer functioning by a charged battery running the pump, which sucks in the liquid through the suction sieve and exerts pressure so that the liquid from the sprayer pushes into the hose, from where it comes out under pressure through the handle and the extension and is directed to the surface treated.

The technical data for the back sprayer is listed in the table below:

Technical characteristics of the sprayer:	Sprayer model
	BATTERY-POWERED BACK SPRAYER LIJON 12I
useful container volume	
working pressure	electronically adjustable
sprayer capacity	
nozzle diameter	
working temperature	5 to 35
Battery	lithium battery*
automatic charger	
nozzle material	brass

- The nature of the battery is such that it loses capacity during use (the period of efficient work is shortened). The expected battery life until decrease of capacity to 50% is about 300 cycles or up to 1 year of use.

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4. ASSEMBLING THE SPRAYER

The sprayer is shipped packed in a cardboard box, partially disassembled, as described in Chapter 2 of this manual. Before first use it is necessary to:

1. Unpack the box and remove the parts from the box.
2. Place the attachment on the sprayer handle and screw them together.

5. PREPARING THE SPRAYER

1. Be sure to fully charge the battery - until the light on the automatic charger turns green.

2. When the battery is fully charged, remove it from the charger, and disconnect the charger from the charger sockets.

Place the sprayer upright, MAKING SURE to set the switch to position "OFF", insert a CHARGED lithium battery into the battery socket on the rear cover of the sprayer. **The sprayer is ready for use.**

The lithium battery is inserted / removed from the socket by lightly pressing your fingers on snaps on the side of the battery.

6. USING THE SPRAYER

1. Unscrew the sprayer cover

2. Once you've placed the sprayer on a firm and stable surface, pour liquid with dissolved agent you're applying into the sprayer. Pour the liquid through the sieve at the nozzle opening.

3. The liquid prepared for pouring into the sprayer must not contain solid residues of the applied agent or of another origin, so as not to clog the channels of the sprayer.

4. Do not use adhesives that are sticky or that harden in the sprayer so as not to interfere with the function of the sprayer.

5. Close the sprayer tank by screwing on the sprayer cap.

6. Place the sprayer on your back using the carrying straps.

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7. Use the switch to start the sprayer. Adjust the pressure as desired using the potentiometer.

8. Use the attachment handle to control and direct the device. The length of the attachment can be adjusted for sprayers with telescopic extensions by loosening the nut and extracting-inserting the extension tube; the width of the jet can be adjusted by turning the nut on top of the nozzle.

9. If you feel that the battery is exhausted (change of sound and inability to achieve pressure) the sprayer must be switched off and the battery recharged.

10. When you finish using the sprayer, remove it from your shoulders and empty the tank in a separate container.

11. Fill the sprayer with 2-3 liters of clean water, close it and shake it. Place on a flat surface, turn it on and spray for 60 sec. to wash the channels. Afterwards, empty the sprayer into a separate container and wash it from the outside.

12. Storage, transport and interventions on the sprayer MUST be performed when the sprayer is turned off.

13. In case of longer periods of not using the sprayer, the battery must be fully charged at least once every two months.

7. SAFETY INSTRUCTIONS

1. Do not use the sprayer for purposes other than plant care.
2. Do not transport or store a pre-filled sprayer.
3. Do not repair the sprayer with parts that are not on the original list spare parts or using parts from other manufacturers
4. Do not make any modifications to the sprayer.
5. Do not pour liquid into the container over the last quantity mark.
6. Use only water-soluble plant care products.
7. Do not use: acids, alkalis, oils, paints, adhesives, liquids, fuels, thinners and the like.
8. Do not use the sprayer if the temperature of the liquid or the environment is lower than 5°C (close to freezing point) or higher than 35°C (warmer than hands)
9. Never allow the sprayer to run without liquid - "dry running".
10. When adjusting the pressure via potentiometer, (pump in operation) briefly flip the switch to check that the adequate pressure has been achieved – one that gives the jet the appearance of fog.
11. Do not store the sprayer in areas where the freezing of the liquid in the spray channels or in the spray tank can occur.
12. In the event that liquid remains in the sprayer and freezes, this sprayer should no longer be used.
13. Never open the sprayer if the pump is switched on, follow the instructions in the chapter USING THE SPRAYER.

8. SAFETY MEASURES WHEN WORKING WITH THE SPRAYER

Agents used for plant care are usually harmful to health; therefore, it is necessary to adhere to the following measures when using the sprayer:

1. Be sure to read and follow the manufacturer's recommendations listed on the packaging or in the instructions for the product that you are using.

2. To avoid the possibility of injury, handle the sprayer carefully; carry it only by holding on to the built-in handrails and by the carrying strap taking care not to drop it.
3. With the sprayer mounted on your shoulders, do not tilt more than 45 degrees.
4. Make sure to wear protective equipment (protective goggles, gloves, protective suit and protective footwear).
5. Do not apply agents if it is very cold, very hot or if a strong wind is blowing.
6. Do not consume food and drinks or smoke while using the sprayer.
7. Prior to any action of inspection, adjustment or maintenance of the sprayer, make sure you've taken all measures as listed in the chapter USING THE SPRAYER. If you haven't, carry them out then proceed to the planned action.
8. Charge the battery with the utmost care, with dry hands, in dry space and only using the correct, original (supplied with sprayer) automatic charger.
9. After any contact with the sprayer, wash your face, face and hands and be sure to change your clothes.

9. ENVIRONMENTAL PROTECTION MEASURES

1. Make sure to follow the manufacturer's instructions for product concentration, quantity and time of application, storage and procedure with the remaining product.
2. Prepare only the amount of product you intend to use, place the sprayer upright on a stable surface and fill carefully. Then close the container tightly.
3. Limit the application of product only to the areas for which it is intended and do not allow product to disperse to or near watercourses, public areas, places of residence.
4. When applying agents, move away others persons, animals and technical product from the place you are treating.
5. Dispose of the liquid leftover from use, maintenance, rinsing and washing of the sprayer in accordance with the manufacturer's instructions.
6. Dispose of the remaining packaging of the product in accordance with the manufacturer's instructions.
7. Do not store or transport the sprayer filled with prepared agent and which has not been cleaned in accordance with the instructions listed in the chapter USING THE SPRAYER.

8. Do not dispose of an expired sprayer and parts remaining after the replacement of worn out parts in the environment or in municipal waste, but rather hand them over to a professional waste manager.

10. MAINTENANCE

1. If you notice a malfunction while operating the sprayer, stop working with it and rectify the fault. Be sure to observe all protective measures listed in the SAFETY MEASURES WHEN WORKING WITH THE SPRAYER and ENVIRONMENTAL PROTECTION MEASURES sections.

2. After you finish operating the sprayer, always follows the instructions listed in the section USING THE SPRAYER.

3. Do not store the sprayer with residual agent or in a place where residual agent could freeze inside the sprayer.

4. Disassemble the sprayer after every 20 uses or in the event of a fault, disassemble the handle and clean the sprayer filter.

11. LIST OF ORIGINAL SPARE PARTS

For repairs of the BATTERY-POWERED BACK SPRAYER LIJON 12l, original spare parts can be procured and delivered, as follows:

RB Name Article

1 Battery 12V / 2.5Ah 4072

2 Automatic battery charger 4073

13. MALFUNCTIONS AND HOW TO ELIMINATE THEM

MALFUNCTION DESCRIPTION	MALFUNCTION CAUSE	METHOD OF ELIMINATION
Pump not working (you can't hear the hum)	Battery empty	Charge the battery Chapter 5 of Instruction Manual
	Faulty electrical installation	Carefully remove the lid Check fuse and electrical cable connection
The pump is working (you can hear the hum) but the adequate pressure is not	Dirty sieve in the handle	Remove and clean the sieve from sprayer handle.
	Clogged nozzle	Remove and carefully clean the

achieved		nozzle
	Dirty suction sieve	Remove and clean the suction sieve located inside the container at the bottom (access through the liquid opening)
Battery connected to automatic charger but charging does not complete (the light on the charger does not turn green after 12hrs)	Faulty battery	Change the battery
Battery connected to automatic charger, but there are no light indications on the charger	No voltage on 220V wall outlet	Check voltage on wall outlet
	Faulty automatic charger	Replace automatic charger
Short efficient working time	Diminished battery capacity due to usage (expected battery life is about 300 cycles or up to a year)	Change the battery

14. CONTROL LIST

Sprayer type: Control:

Year of production:

15. CONTACT

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16. DECLARATIONS AND CERTIFICATES OF CONFORMITY

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SRB – DECLARATION OF CONFORMITY

01-006-03

Company

POLINS DOO

Ive Lole Ribara BB

25250 Odzaci

Serbia

With full responsibility declares that the machine:

Battery powered BATTERY-POWERED BACK SPRAYER LiJON 12l, plastic, for the application of water-soluble agents for plant care and protection

TYPE

BATTERY-POWERED BACK SPRAYER LiJON 12l

art: 8050

Is in accordance with:

The machine safety regulations ("Sl. Glasnik RS", 13/2010) which is aligned with 2006/42/EC

Considering the following standards:

1. SRPS EN 614-1:2010
2. SRPS EN 614-2:2010
3. SRPS EN ISO 12100:2012

In Odzaci, 17/03/2020

For POLINS doo

Responsible person

Director, Djuro Milosevic

EC – DECLARATION OF CONFORMITY

01-006-04

Company

POLINS DOO

Ive Lole Ribara BB

25250 Odzaci

Serbia

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BATTERY-POWERED BACK SPRAYER LiJON 12l

art: 8050

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1. 2006/42/EC

Considering the following standards:

1. EN 614-1:2010
2. EN 614-2:2010
3. EN ISO 12100:2012

In Odzaci, 17/03/2020

For POLINS doo

Responsible person

Director, Djuro Milosevic