

1. INTRODUCTION AND USES

Read this manual carefully before starting to use the sprayer and pay special attention to the maintenance recommendations, as well as their use for correct operation and useful life.

The company reserves the rights to changes the composition of the product without prior notice as well as its technical characteristics. No claims can be derived from the data and illustrations in this manual. The original manual is written in Spanish, so it will prevail over the rest, in case of conflict or contradictions between other languages.

This sprayer is specially designed for use with phytosanitary products such as fungicides, insecticides or herbicides. It can be used both for gardening and small farms. In no case should it be used to spray flammable or industrial products such as solvents, alkalis or acids.

2. COMPOSITION AND START-UP

Before starting work, you must finish charging the battery (during storage it may have lost some of its charge). To do this, the battery must be disconnected from the sprayer.

Plug the charger into the mains and connect it to the battery until it is fully charged. When the charge level is full, the battery LEDs will stop flashing and stay on.

The sprayer's operating temperature range is 1 ° to 50 ° C.

To start working with PULMIC PEGASUS 15, press the 3S button with your left hand and a green light will turn on, the sprayer will start at speed 1 (low pressure) suitable for herbicide treatments, pressing a second time the indicator light will change to orange light, we will get speed 2 (medium pressure) suitable for herbicide and insecticide treatments (according to needs and nozzle used), pressing the indicator for the third time will change to red light, we will obtain speed 3 (high pressure) suitable for insecticide treatments. Pressing for the fourth time the indicator light will turn off and the sprayer will stop. In standby mode, the sprayer will be ready to be used again when required.



DO NOT FORGET TO DISCONNECT THE SPRAYER WHEN FINISHING WORK.



Watch the product commissioning video through the following link or QR:

www.tiny.cc/startup-peg15

3. SAFETY RULES



1. Use appropriate protective equipment to avoid contact of plant protection products with any part of the body.
2. Read the instructions contained in the product labels, use the appropriate preparation and mixing utensils, after preparation wash your hands and face, to avoid ingesting the product, do not eat, drink or smoke during handling. Always respect the prescriptions and doses indicated on the product labels.
3. Properly remove empty or leftover containers.
4. Do not spray on people, animals, or electrical installations. Avoid drifting to neighboring fields and crops, as well as to sources, rivers and ponds. Do not use against the wind.
5. Do not use flammable or combustion-promoting materials.
6. Do not use liquids with temperatures higher than 40°.

4. CE DECLARATION OF CONFORMITY

In compliance with the provisions of the Machinery Directive (2006/42 / CEE) and industry law 21/1992, the manufacturer declares that this equipment has been designed and tested in such a way that it complies with the Health and Hygiene regulations that apply to it. are enforceable. Harmonized technical standards ISO 19932-1: 2013; ISO 4254-6: 2009; ISO 16119-1: 2013; UNE 68095-2: 1997; UNE-EN 61960: 2004; 2006/66 / CEE; 93 / 44EEC.

All materials and components have passed the corresponding quality tests to be assembled and put into service safely.

In Valencia, January 2020.

5. CLEANING AND MAINTENANCE

TANK AND PIPES

Clean the instrument and its pipes after each use, with clean water. Empty the tank complete. Never leave the sprayer phytosanitary products stored in the tank, pipes or pump.

FILTERS

This machine has the following filters:

- Tank filling filter (Ref. 1447).
- Suction filter (Ref. 14062). It is located on the side of the tank and can be removed for cleaning. After cleaning, it should be reassembled in its housing in the same original shape and position.
- Handle filter (Ref. 1453), located inside the handle.
- Herbicide nozzle filter, next to the spraying nozzle.
- The correct maintenance of the filters is the best guarantee for the proper functioning of your backpack. Clean these filters periodically (every work day) and replace them if damage.

NOZZLES

The electric sprayer is supplied with quality nozzles. The performance of this equipment may be reduced if a nozzle with excessive wear or a non recommended nozzle are used. Replace the nozzle when it present signs of deterioration.

RECHARGE AND BATTERY MAINTENANCE

The battery is a very sensitive subjected to wear, to lengthen its life is important to read the charging and maintenance recommendations.

To recharge the batteries, extract the battery from its housing by pressing the release lever and moving the battery up (Ref. 13943) (see fig. 1), then connect the charger (Ref. 13980) to the mains through its mains connection. 100 / 240vAC.

Next, you must connect the 21v plug. DC to the battery socket (Ref. 13943) located on the rear side, then the green battery LED will start to blink, indicating that the recharging process has begun.

Figure 1



On the battery, the indicator light has the following meaning:

LEDs ON	1	2	3	4	5
CHARGE LEVEL	Less than 20%	21% - 40%	41 - 60%	61% - 80%	81% - 100%

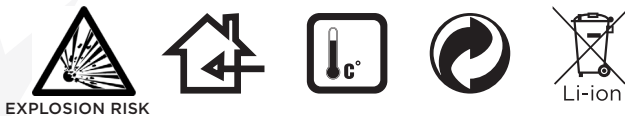
The approximate time for recharging is 4-5 hours (depending on the level of discharge of the battery). After final charging, remove the connector from battery housing and then remove the battery charger (Ref. 13980) of the main electric web.

IT IS RECOMMENDED TO RECHARGE THE BATTERY AFTER EACH WORKING DAY

Never recharge the battery with extreme temperatures, the charging temperature range is 0° to 40C°. It is recommended before starting the recharge wait a while until the battery gets cool. It is normal for the charger to warm up slightly during charging.

For extended periods of inactivity, you should remove the battery from the sprayer and store at half load in a dry and stable temperature (ideal range of 5° to 15°C), it is also advisable to monitor the state of charge at least once every six months and whether to proceed with timely recharge depending on future use.

When replacing the battery, have an original spare part and insert it into accommodation as instructed. Use only the charger supplied with this equipment, connected to a power socket AC standard (100/240 volts, 50-60 Hz).



EXPLOSION RISK

Li-ion

CONNECT THE CHARGER ONLY IN INDOORS. IN DRY PLACES & AWAY FROM CHILDRENS. DO NOT USE THE CHARGER IN EXPLOSIVE ENVIRONMENTS. DO NOT LEAVE THE SPRAYER IN OUT DOORS. & WITH TEMPERATURES BELOW ZERO.

DO NOT OPEN THE BATTERY OR KEEP NEAR ANY HEAT SOURCES. LEAVE WASTED BATTERIES IN AN AUTHORIZED PLACE.

MOTOR & PUMP

The motor, the pump and the pressure switch are sensitive items subject to wear, they are integrated into a single module and need preventive maintenance to extend their useful life.

To keep the pump head in proper operating condition after each application, run the sprayer with clean water in open circuit for a few minutes.

Never let the pump with phytosanitaries inside over 8 hours, these products may precipitate or agglutinate causing clogging and malfunction thereof. Furthermore, if such products contain significant concentrations of organic solvents or solvents will damage the internal elements thereof.

Do not use any corrosive acid, and if you do so by accident, immediately clean the tank and clean the circuit with clean water in open circuit circulating it for some time.

To preserve the motor, do not immerse the sprayer in any type of liquid and protect it from moisture as much as possible. This motor is a DC brushed motor, its wear and useful life will depend exclusively on the aforementioned, the ambient temperature and the average working pressure.



Watch the product maintenance video through the following link or QR:

www.tiny.cc/maintenance-peg15

6. PROBLEMS AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
Sprayer does not turn on.	Battery is not charged.	Charge battery.
	Loose wire.	Contact us for technical support.
Leaks from tank area.	Input and/or output hose(s) have a loose connection with the pump.	Remove screws and remove the plastic covering to expose pump. Loosen clamps on both hoses, position hose closer to pump and re-tighten hose clamp.
Leaks from gun/nozzle area.	Loose / damaged / broken seal(s)	Inspect all seals and replace if necessary.
	Ball valve inside gun assembly is defective	Contact us for technical support / warranty info.
Clogged pump / hose / gun / wand / nozzle.	Not rinsing tank / pump / hose / gun / nozzle(s) with cleaning solution or water after use.	Rinse sprayer thoroughly with warm, soapy water after each use. Wipe down filter inside tank.
Random part breaks.	Wear and tear.	Contact us for warranty coverage.
Pump runs constantly or intermittently.	Pressure switch adjustment is needed on the pump.	Contact us for technical support.



Watch the videos of the main repairs through the following link or QR:

www.tiny.cc/troubleshooting-peg15

7. WARRANTY

This product has a 2-year warranty from the user's purchase (Minimum indicated by Spanish law) of the product, except in countries where specific warranty conditions apply. If in doubt you can ask your dealer. The battery will have a 1-year warranty.

No warranty will be applied for any of the following causes:

- Do not read the instruction manual carefully.
- Wear from conventional use (Including batteries).
- Use of work tools not allowed.
- Use of force, improper handling, or accident.
- Use of non-original or unsuitable spare parts.
- Use of products not allowed.
- Omission of necessary maintenance work.

Any type of guarantee must be dealt with by an authorized dealer, always together with the purchase invoice or ticket specifying the date of purchase of the product and with its serial number (photo of the serial number). Warranty services do not extend the warranty period or establish new warranty terms. It is also recommended to register the machine through the following link for a correct use of the guarantee. The data of the guarantee must be of the own end user and not those of the seller.



Activate the warranty through our website:
www.gruposanz.es/en/warranty-activation

Where to find the serial number?

- 1) In the box
- 2) On battery
- 3) In the battery compartment / holder

8. TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS			
Battery Type	LI-ION	Autonomy (2 batteries)	4-7 h
Battery voltage	18V	Max. Pressure	4 bar 58 psi
Battery capacity	2600 mAh	Spraying distance	9 m 30 ft
Battery charging time	4-5 h	Tank capacity	15 L 4 gal
Charger	21V / 1 Ah	Pump life	1000 h

NOZZLES | Adjustable, GA herbicide and 4 outlets.

ESTIMATED VALUES AT A TEMPERATURE OF 20°C.

- * Total autonomy, calculated considering 2 minutes working and 1 minute stopped.
- ** Nozzle height 40 cm, working width 114 cm, forward speed 1 m/s.
- *** Nozzle height 50 cm, working width 192 cm, forward speed 1 m/s.

RED ADJUSTABLE NOZZLE				
Selected speed	Pressure (bar)	Flow (L/min)	Liters per battery charge	Total autonomy (min*)
1	2,1	0,7	173	370
2	3,1	0,9	144	240
3	4,2	1,1	136	185

G.A. HERBICIDE NOZZLE					
Selected speed	Pressure (bar)	Flow (L/min)	Liters per battery charge	Autonomía total (min*)	Dose (L/ha**)
1	2,5	0,7	182	370	60

4 OUTLETS NOZZLE				
Selected speed	Pressure (bar)	Flow (L/min)	Liters per battery charge	Total autonomy (min*)
1	1,2	1,0	286	430
2	2,1	1,3	200	235
3	3,1	1,5	198	200