

9. Technical parameter

- 1.Item: 10M27
- 2.Size: 33x17.5x42.5cm
- 3.Weight: 4.7kg
- 4.Capacity: 10L
- 5.Working pressure:0.20Mpa-0.40Mpa

Nozzle type	Pressure/Mpa	Flow rate(L/min)
Single nozzle	0.36	1.33
Biforate nozzle	0.3	2.2
Single adjustable nozzle	0.28-0.4	2.13-1.13
Four-hole nozzle	0.175-0.36	2.83-1.6

KNAPSACK BATTERY POWER SPRAYER

OPERATION INSTRUCTIONS



Dear users:

First thank you for choosing our electric sprayers. Our products have been constantly improved, and make the usage more convenient, efficient, safe and save the power. We promise we will offer you the most sincerest service all the time.

Please read this instruction before you use this product, which can help you use and maintain this product well. If there is any place you are not sure, please contact the supplier.

1. Profile

This series of **10M27** electric sprayer has new design and unique structure, comfortable, safe and efficient when you use it. It can be used for kinds of crops and flowers, and also for the enviromental sanitation of public places like parts, and for the eqidemic prevention and sanitation of livestock poultry sheds. It is the ideal substitute of the manual one.

This product uses plumbic acid no-service battery as power. It uses miniatuure motor to drive liquid pump and get pressure mist. Its atomization effect is good, and the working efficiency is 3-4 times better than that of manual sprayer. Every time it can be used for 5-7 hours continually after fully recharged, and spray medicine 300-600kg, but use electricity less than 0.3degree, reducing the work labor intensity greatly and create high economic benefits.

2. Characteristic

- (1)The product is consist of fluid tank, bottom, battery, miniature pump, charger, pressure regulator, power switch, voltmeter (choose), spray parts (hose, switch, nozzles), belt and so on;
- (2)The container external form is an imatation of human back's curve. It's quite comfortable for the users. The design is specific and original;
- (3)It uses the miniature diaphragm pump, characteristic, pressure relief automaticly, high pressure and long life. According to different kinds of crops and the spray nozzle, this product can be equipped with pressure regulator to have the right pressure and get the perfect spray mist effects.

3. Method of usage

- (1)Every time before usage, please insert charger plug into the charger base connector, and get 100-240V power charger the battery 8 to 12 hours, until the green light is on. Without charging, please do insert plastic into protective cover the charger base it gets damp.
- (2)Fix the fuse up and spray clean water before you use it for the first time. Must be sure that the fuse was fixed on the settled channel if your machinery has fuse. And check all the connecting parts if there is any leakage, atomizing effect is good, when you are sure that everything is all right then you can spray.
- (3)The mixed medicine should pass through the filter before it goes into the tank, in case the impurities flow into the tank and cause jam in the filter, the pipe and the cylinder and affect the normal use. Cover the cap and tighten it after fill the container full with medicine, in case the medicine overflow when working.
- (4)Please don't use water-insolube powder. Becasue it will not melt into liquids and suspend in the tank, the solids will gradually settle in the bottom, jam the filter, the pipe and the cylinder and affect the normal use.
- (5)Please wipe it up if the medicine overflows when you increase the medicine; please remove the battery or the electrical device and dry them up with clean cloth if they are exposed to the medicine.
- (6)Power swith on the left side, which has three fuctions: “—” means spray; “0” means stop; “二” means sray with pressure.
- (7)Power switch turn to spray “—” , the motor starts and the machine starts working, and the working pressure is highest, and the pressure regulator does not work.
- (8)Power switch turn to spray with Pressure “二” , please regulate the pressure with the pressure regulator above, until the pressure is suitable for the plants.

- (9) Power switch turn to stop "0" when stop working.
- (10) Recharge the battery timely to guarantee the life of battery.
- (11) Single nozzle or double-hole nozzle: applies to the past control of all kinds of plants: spray with the tailwind, one side, multi-row crossed. Single nozzle or four-hole adjustable nozzle: can be adjusted into fog or cylinder mist; suitable for tall plants, fruit trees, in distance. Sector nozzle: spray nozzle evenly, suitable for low crop and herbicides; tailwind single-line spray.

4. Security

Use this machine in a wrong way may be dangerous. You must read and understand and comply with the safety precautions to ensure the safety of yourself and others.

- (1) During usage, it is forbidden spraying at people or animals.
- (2) Do not leave the machine unattended; turn off the power when out of use; do not take any harmful chemical; leave the machine where there is no direct sunlight.
- (3) Please do not disassemble, change or assemble the machine by yourself.
- (4) During use, if the atomization becomes bad, and it's not because of the jam in the filter, pipe or the spray parts. That means the battery power is low, please recharge timely. It's forbidden continuing spraying with the floating electricity or it will damage the battery. Meanwhile, forbidden use any more in case wasting soup.
- (5) After working, you must clean the machine with clean water, more times if you used soluble powder, use hot water if necessary; it is forbidden to use water-insoluble powder. Cleaning matter: the outside you can wash use wet cloth and the tank you need pour into branch water and shaking. Then open the power via nozzle to spraying, until the excreta clean. Forbidden pour all tank into water.

- (6) It is forbidden to use strong acid, strong alkali, inflammable liquid or any other special liquid.
- (7) Follow the safety provisions firmly when working, wear protective equipment such as mask, glasses, hat, gloves or anti-pesticide clothes. It is forbidden to work naked.
- (8) This machine is forbidden to be used by those who are mentally ill or seriously ill, or drunk, or has no operation knowledge, just after strenuous exercise, weak, or the pregnant. After work, operator must wash their body and clothes they wore. Please do not drink at the same time.
- (9) The machine must be charged 8 to 12 hours before every time you use it.
- (10) You must strictly comply with the safety instructions provided by the pesticides manufacturer.

5. Maintenance

Maintain and store the machine as below after every use.

1. Maintenance

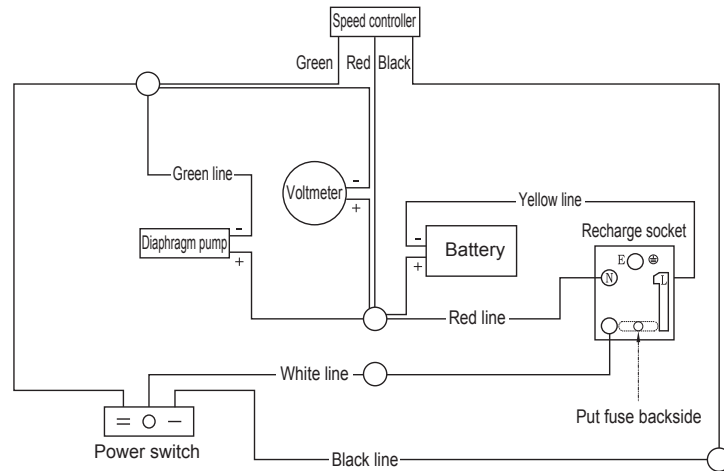
- (1) Clean up the dust and dirt on the machine;
- (2) Check the connections and eliminate it if there is any leakage;
- (3) Examine every screw if they are loose or lost;
- (4) Wash the filter and the pump after every use.

2. Beware for long time

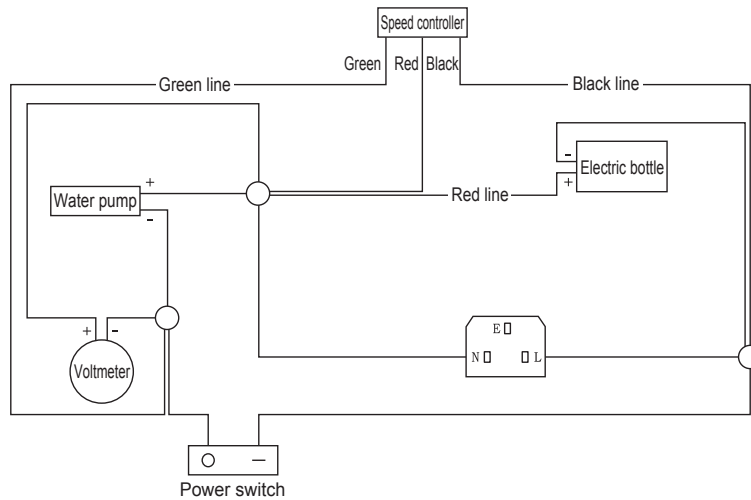
- (1) After maintenance, the machine should be put at dry and ventilated place, should be kept 50cm high off the ground, away from the fire, sunshine and children.
- (2) You must discharge and recharge the battery every two months.
- (3) Environment of use: -5°C~40°C

6. Electrocircuit connection chart

Speed regulation wiring diagram(1)



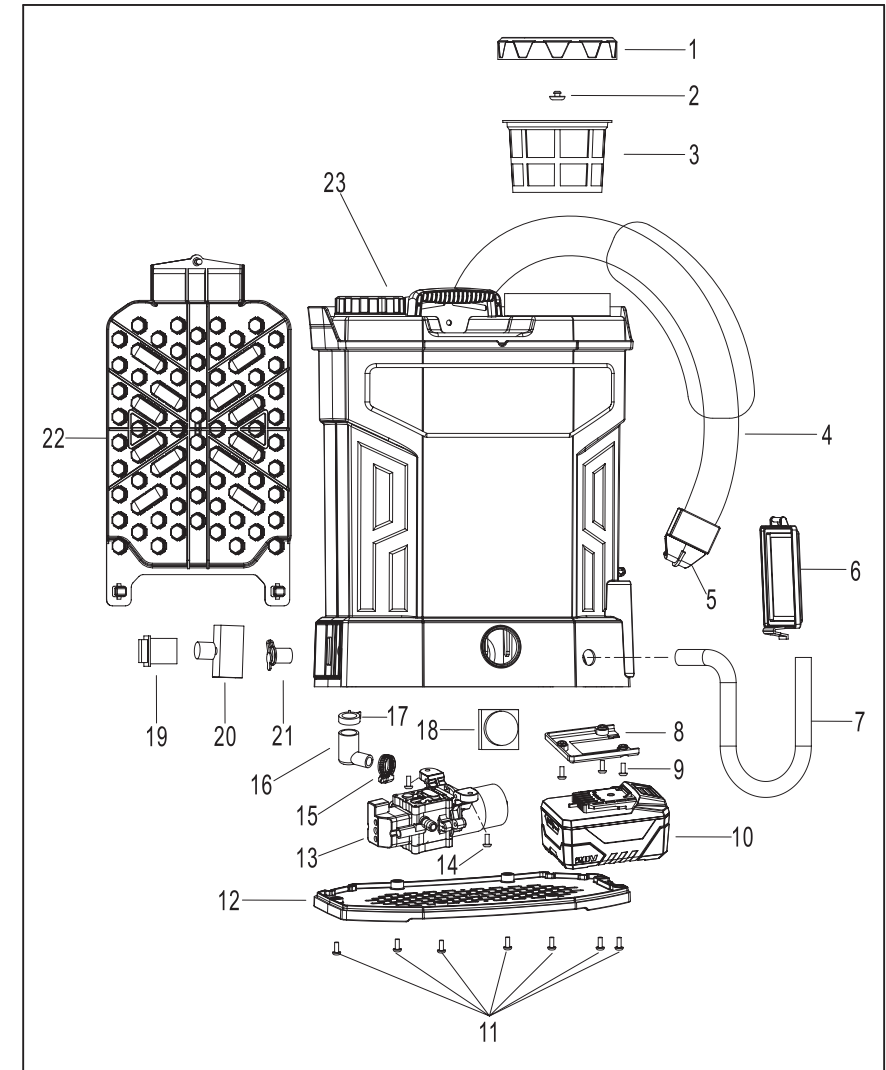
Speed regulation wiring diagram(2)



Tip: please match the real electric connecting draft

7. Structural drawing and packing list

10M27 KNAPSACK BATTERY POWER SPRAYER STRUCTURE SKETCH



Tip: This draft maybe different with the real fixing, please base on your machinery.

10M27 KNAPSACK BATTERY POWER SPRAYER PACKING PARTS LIST

NO.	NAME	QUANTITY	NO.	NAME	QUANTITY
1	Tank Cap	1	21	Recharge Socket	1
2	Inlet Valve	1	22	Back Strap	1
3	Tank Filter	1	23	Tank	1
4	Strap	2			
5	Strap Buckle	2			
6	Battery Side Cover	1			
7	Hose	1			
8	Storage Battery Fasten Cover	1			
9	Cross-recessed Head Tapping Screws Ø4x14	3			
10	Storage Battery	1			
11	Cross-recessed Head Tapping Screws Ø4x14	7			
12	Bottom Cap	1			
13	Diaphragm Pump Assembly	1			
14	Cross-recessed Head Tapping Screws Ø4x14	2			
15	Clamp	1			
16	Inlet Elbow	1			
17	Clamp	1			
18	Coltage Meter	1			
19	Power On/Off Button	1			
20	Speed Controller	1			

8. Breakdwn maintenance

Breakdown phenomenon	Analysis	Maintenance
Cannot work	1.connects lines cut out 2.low power 3.broken switch	1.open the machine bottom,open batterycover,connect lines. 2.charge the battery 3.change another good switch
Abnormal sound in the motor when working	Screws of pump becomes flexible	Fasten screws of pump
Leakage in the bottom	The in-let tube or the out-let tube is flexible or broken	Fasten the tube
Bad atomization	1.the sheet in the nozzle is jammed 2.jet hole is broken 3.the spray sheet maybe in wrong side 4.filter is jammed 5.leakage in the connecting 6.power low 7.pump is logged by dust	1.fasten the sheet 2.change another jet nozzle 3.put the spray sheet in right side 4.clean the filter 5.fasten 6.charge the battery 7.wash the pump by clean water