

PROFESSIONAL ELECTROSTATIC BACKPACK SPRAYER

OPERATION MANUAL



PLEASE READ THIS MANUAL CAREFULLY BEFORE USING.





Dear customer:

Thank you for choosing the Mascon Medical Electrostatic Sprayer. Please read the operating manual carefully before using this product and follow the instructions closely to ensure you get the best performance out of your new machine. This operating manual will guide you on how to effectively use this product, ensuring the highest level of efficiency and safety.

We are committed to the constant optimization and improvement of this product's design, so we ask that you share any suggestions or feedback by emailing us at feedback@masconmedical.com

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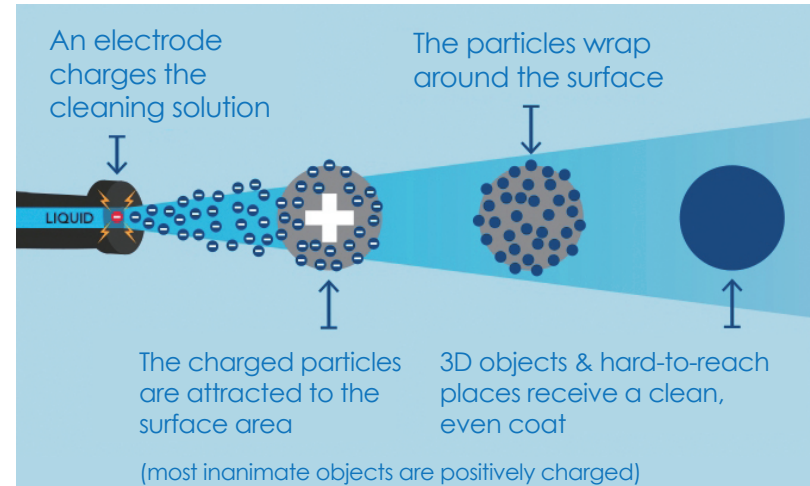
1. Illustrated Parts



2. Technical Parameter

Model	Backpack Electrostatic Sprayer MMD227
Battery	Core lithium battery
Sprayer body	ABS material
Tank capacity	10L(2.27Gallons)
Working times	3.5 hours (outdoor use with fan switched on) 9-10 hours (indoor use with fan switched off)
Charging time	4.5 hours
Nozzle Sprayer Sizes	20,40, 80 micron 360° Spray
Effective range	3-6m (Electrostatic with fan on) 1-2m (Electrostatic with fan off)
Rated Voltage	24V
Battery capacity	30AH
Rated power	200W
Net weight	7.8KG/17.20LBS
Gross weight	11.5KG / 25.35LBS
Packing size	728*273*660mm
Warranty	12 months
Application	Can be used indoors / for environmental disinfecting / cleaning / infection control / public places / hospitals / buildings etc.

3. Electrostatic Working Principle



Electrostatic spray technology is one professional fix that uses an electrical charge to allow the appropriate sanitizers and disinfectants to wrap around and evenly coat all types of surfaces for a more complete deeper clean and thorough coverage.

4. Operating Instructions

1. Ensure the battery is fully charged before use. The light on the charger will change from red to green to indicate a full charge.
2. Remove sprayer from charger and pour the solution or disinfectant into the tank. Ensure the cap is tightly secured after filling.
3. Turn on the power switch.
4. Turn on the fan switch (optional).
5. When the spraying is complete, turn off the fan switch first (if on) and then turn off the power switch.
6. Please clean the nozzles and filters regularly using water. Unscrew the nozzle to clean and be sure to clean all 3 parts of the filter.

5. Cleaning Instructions

Step 1: First, unscrew the nut pictured below, to access the small filter and carefully clean with water.



Step 2: Unscrew the tank cap to access the filter pictured below, and carefully clean with water.



Step 3: Once the tank cap has been removed, you will see two filters at the bottom of the sprayer tank. Carefully unscrew both filters and clean them with water.



Step 4: When all filters have been cleaned, carefully re-install them before use.

6. Battery Operation and Charging

To continually use the sprayer at your convenience, you can purchase a small portable battery that can be plugged in to the machine while using. (Please note, spare battery not included).

1. Charging the spare battery



2. Operating the spare battery



3. Charging the machine



7. Troubleshooting

Motor doesn't run	
Potential Issue	The battery is low
Corrective Action	If the power light shows red, please charge the machine.
Potential Issue	Operation Overload/Overheated
Corrective Action	Switch off the machine completely and leave in a ventilated area for 30 minutes.
Machine is running but not spraying	
Potential Issue	There is not enough solution in the tank
Corrective Action	Re-fill tank with solution
Potential Issue	Spray nozzle blockage
Corrective Action	Ensure nozzle is clean

8. Warnings

1. Do not touch the electrostatic plate with wet hands. Please wear gloves if necessary.
2. Do not touch the nozzle while using.
3. There will be a buzzing sound after shutdown. Don't be alarmed, this is the sound of the solution flowing back to the tank.
4. Do not leave the machine in a humid environment as this can impact the service life of the machine.
5. If the power of the machine drops below 20%, charge it immediately. This will maintain the service life of the machine.

6. Do not use the machine while charging
7. Do not leave unattended while charging
8. Keep the battery fully charged while storing for long periods of time
9. Using strong corrosion solutions in the machine is prohibited. The solution should be completely dissolved, without impurities, before using, to prevent clogging the pipeline.
10. Turn off the power immediately if you see signs of the following:
 - Water gets into the machine
 - The motor suddenly stops working
 - There is a distinct change in the sound of the motor
 - The tank is leaking
 - The motor does not work when turning on. If the machine is acting unusually, turn off immediately.
11. Do not use the machine when raining. Do not plug or unplug the machine with wet hands. Do not store the machine near flammable or explosive materials or in a hot environment.
12. For other problems, please contact customer service: 1-800-858-5289

9. Packing List

No.	Item	Specification	Qty	Remarks
1	Sprayer		1	
2	Charger		1	
3	Straps		1	
4	Nozzles	20, 40, 80 micron 360 degree spray	2 sets	5 nozzles in 1 set
5	User Manual		1	

10. Warranty Card

First name		Last name		Email	
Phone		Address			
City		State		Zip code	
Place of purchase				Order no.	
Date of purchase					
Product name	Mascon Medical Electrostatic Sprayer			Model no.	MMD227
Serial no.		User signature			
Dealer signature		Additional notes			

Warranty Item:

We provide one year free maintenance for the main components of the machine.

1- Electrostatic trigger

2 - Motor

3 - Filter

4 - Nozzles

During the one year warranty period, we will be responsible for the replacement or repair of the listed components free of charge. Despite this, we do not bear the cost of freight for sending the parts. If it is necessary to return to the factory for repairs, we do not bear the cost of freight for delivery.