

Foreword

Thank you for choosing JEREH products. We will provide you with professional and timely after-sales services.

This equipment is independently developed by JEREH. It is an ideal product with high intelligence and automation, and it has been widely applied in disinfection and epidemic prevention.

This operation & maintenance manual consists of introductions with respect to equipment structure, operation, safety and maintenance. Please read this manual carefully before operation.

This manual cannot fully list all problems that may occur during the use of equipment. If you have any unsolved problems, please contact our after-sales service staff in your regions.

Safety

Operator's Responsibility and Safety

- Failure to pay attention to safety during the use of equipment may cause accidents, personal injury or death.
- Always pay attention to safety hazards and correct problems in time.
- During the use of equipment, strictly follow the manufacturer's safety instructions and label indications.

Important Note

Please read this manual carefully, failure to read this manual will be regarded as a misoperation of the equipment.

Please read this manual carefully to understand the safe and correct operation process of the equipment, and maintain the equipment in accordance with the manufacturer's recommendations. The operator is responsible for ensuring that all personnel who use this equipment read this manual.

Check the equipment regularly, repair and replace damaged and worn parts in time to prevent damage to other parts or excessive wear. The operator is responsible for repairing or replacing defective parts covered by the warranty policy.

Equipment Safety

In the use of electrostatic disinfection equipment, please take the following safety tips as general guidance.

- Before operating the equipment, please be aware of all safety guidelines, tips and warnings.
- Children are strictly prohibited to operate the equipment. Adults are NOT allowed to use the equipment without guidance.

- Keep the operating area away from irrelevant workers and animals.
- Do NOT use the equipment without wearing personal protective equipment.
- Do NOT perform disinfection operations when the weather conditions in the work area may cause the droplets to drift.
- It is prohibited to spray flammable and explosive liquids such as alcohol, gasoline, kerosene, etc.
- Please turn off the equipment in the case of no disinfection operations.
- Before operating the equipment, make sure that the air hose, liquid hose, and power line are connected.

Chemicals Safety

Read and follow the instructions on the label of the chemical manufacturer and pay attention to the following regulations.

- When filling, mixing and using the liquid, personal protective equipment should be worn, including protective clothing, gloves and hat, eye protection equipment (such as goggles and face shield), respiratory protection equipment (such as mask, breathing filter and respirator).
- Usage guidance, including the transport, mixing, use, storage and handling of chemicals.
- Environmental damage caused by chemicals.
- First aid measures in case of chemical leakage.
- Appropriate written or verbal notification to the staff or the public in the area of spraying.
- Always comply with the general regulations in the area where chemicals are used.

Safety Tips

There are safety warning stickers on the equipment to remind the operators to use the equipment correctly and indicate the potential safety hazards. Even if these warning signs are lost or hidden out of sight, the safety regulations should be followed when operating the equipment. When the safety stickers are worn, damaged, unclear or unrecognized, please replace them in time.

Safety Symbols

To avoid personal injury and ensure the service life of the equipment, you must keep in mind the content of warnings, cautions and notes highlighted in this manual.



Warning: Failure to comply may result in personal injury or death.



Caution: Failure to comply may damage or destroy the equipment.



Note: Failure to comply may damage or destroy the equipment.

Important Note




It is forbidden to spray alcohol, kerosene and other flammable liquids.





It is forbidden to clean the equipment with high pressure water gun. Make sure that the equipment has been turned off, the charging cable has been disconnected and the rubber cap on the charging port is fastened, otherwise it may cause electric shock or serious failure due to the water penetration.




To avoid collision, the lithium battery should be securely fixed in the equipment and handled with care when it is removed and installed.

 Follow the safety instructions provided by the manufacturer when handling the liquid.

 When used and transported, the equipment should be protected to prevent collision, falling and vibration.

 Do NOT clean the equipment with alcohol, gasoline, kerosene or other corrosive, volatile chemical solvents. Otherwise, the appearance and internal structure of the equipment will be seriously damaged.

 When spraying electrical appliances, keep the nozzle more than 1 meter away from the electrical appliances.


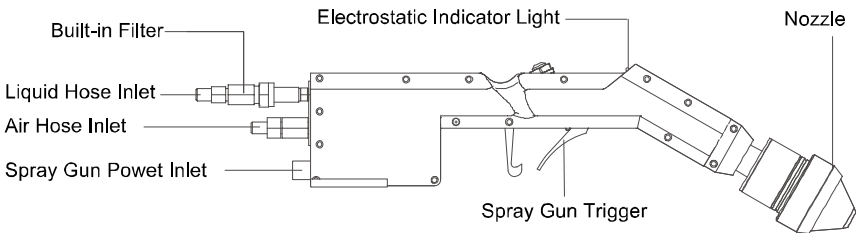
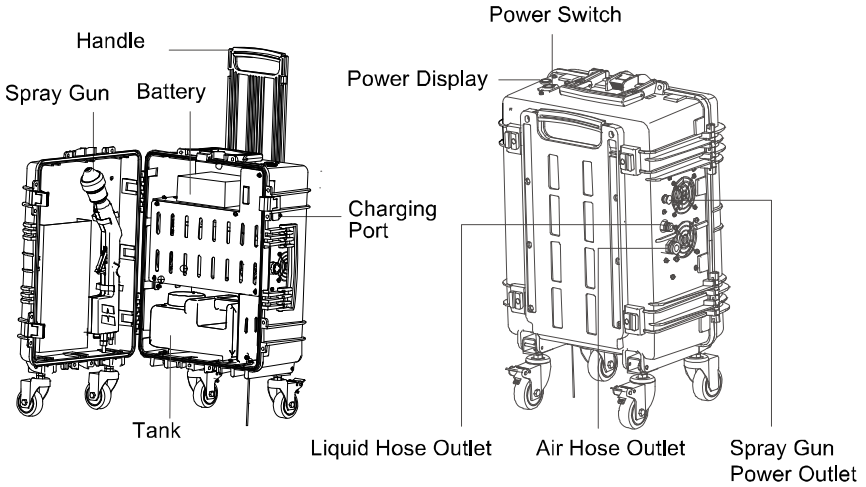
 It is normal to have a slight feeling of static electricity during the operation, as the mist is charged with static electricity.

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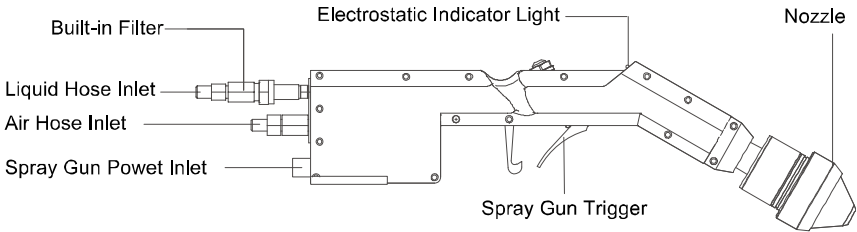
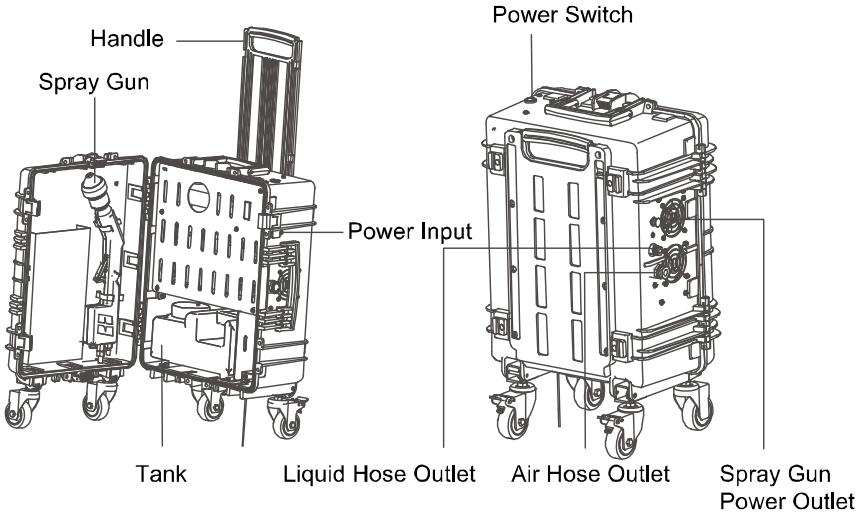
Product Description

Lithium Battery Powered



Model	JES-SC30B
Dimension	470 × 300 × 700mm
Net Weight	22kg (battery included, liquid excluded)
Battery Voltage	24V DC
Power	300W
Tank Volume	5L
Nozzle Liquid Flow	100-150ml/min

AC Powered



Model	JES-SC30C
Dimension	470 × 300 × 700mm
Net Weight	23kg (liquid excluded)
Working Voltage	90-264V AC
Power	300W
Tank Volume	5L
Nozzle Liquid Flow	100-150ml/min



Note

Above product pictures and parameters are for reference only. There are slight differences between different batches of products. The actual product shall prevail. The company has the right to perform technological upgradation and appearance modification.

Operating Instructions

Preparation

- Wear protective equipment before starting the equipment, including protective clothing, goggles, respiratory masks etc.
- Power connection

Battery Powered Suitcase: Open the suitcase, connect the male connector on the battery with the female connector on the suitcase, and turn the circuit breaker to the *ON* position.

AC Powered Suitcase: Take out the power cord, plug one end into the power socket, and plug the other end into the power connector on the suitcase. Open the suitcase lid and turn the circuit breaker to the *ON* position.

- Add disinfectant to the tank.

Press the button on quick-disconnect located at the tank, pull out the plug from the tank, gently lift the tank upwards, disconnect the hook-and-loop fastener, take out the tank, and fill it with disinfectant.

- Hose connection (via quick disconnect)

Connect one end of the air hose (with big O.D.) / liquid hose (with small O.D.) / power supply line to the corresponding connector on the spray gun.

Connect the other end of air hose (with big O.D.) / liquid hose (with small O.D.) / power supply line to the corresponding connector on the suitcase.



Caution

Before connecting the power, make sure that the power switch of the equipment is turned off.

Please handle the tank with care, and make sure the tank cover is tightened after filling the liquid.

The battery must be charged with a matched charger. Damage to the equipment caused by the use of unmatched charger is not covered by the warranty.

When spraying, be sure to close the suitcase cover to prevent droplets from entering the air compressor and causing short circuits.

Start-up

- Turn on the power switch.
- The charging indicator glows in red to indicate the electrostatic system is working.
- Engage the trigger to spray.



Note

Do NOT engage the spray gun trigger immediately after starting the equipment, wait for about 5-10 seconds and then engage the trigger.

Keep your hand in contact with the spray gun trigger during spraying. In the case of intermittent spraying or ceased spraying from the spray gun, please stop the operation.

Shut Down

- Release the spray gun trigger.
- Turn off the power switch.
- Fix the spray gun, clean the equipment.



Note

After the operation, and before the storage of spray gun, air hose and liquid hose into the suitcase, make sure that there is no residual liquid on the inner and outer surfaces, and the liquid in the spray gun and liquid hose must be drained. Prevent the disinfectant from contacting the air compressor or wire connectors in the suitcase, causing short circuits and damaging the air compressor.

After the operation is finished, the disinfectant in the tank should be drained out. It is forbidden to put the equipment down in the presence of disinfectant in the tank.

When transferring or transporting the equipment, please fasten the spray gun firmly with straps to prevent it from falling out.

Maintenance

Equipment Cleaning and Storage

- In the case of stains on the surface of equipment, wipe it with soft cloth dipped in a small amount of water.
- In order to prevent equipment blockage in liquid tank and pipes, wash the internal piping of the equipment regularly to keep the equipment in a good performance.
 - 1) Add certain amount of clean water in the tank and keep the equipment spraying for 3-5 minutes to clean the pipeline.

- 2) Open the tank cap and drain out the water inside.
 - 3) Connect the liquid pipe to the liquid tank, start the equipment again and spray for 1-2 minutes to empty the water in the pipeline.
- When not in use, clean the surface and internal pipelines of the equipment, and store the equipment in a dry, cool place indoors.

 **Warning**

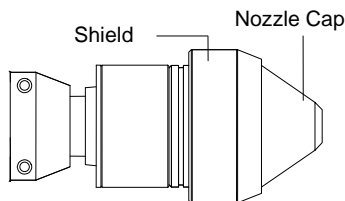
When cleaning, make sure that the equipment is turned off and the power cord has been unplugged. It is forbidden to directly flush the equipment with any liquid, otherwise it may cause electric shock or serious failure due to water penetration.

 **Note**

The equipment must be dried after cleaning.

Nozzle Cleaning

- Clean the external surface of the nozzle.
- Clean the inside of the nozzle, remove the cover and screw off the nozzle cap to wipe.
- After cleaning, screw on the nozzle cap and install the shield.



Caution

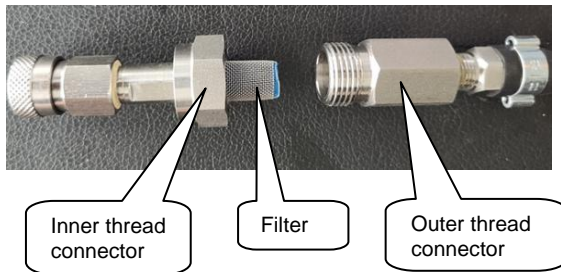
The nozzle cap should be tightened by hand, rather than with pliers or other tools.

Note

With the increase of operation time, the nozzle will be blocked, which will affect the spray volume. Cleaning the inside of the nozzle regularly can effectively prevent the blockage caused by chemical deposition, so as to maintain the performance and prolong the service life.

Filter Screen Cleaning & Replacement

- The liquid hose is equipped with a filter, which needs to be checked regularly and cleaned in time.
- Unscrew the inner and outer thread connector at the end of liquid hose, take out the filter, rinse the filter with clean water until all impurities are removed, dry the filter, put it back into the inner and outer thread joints and tighten.



Note

If the filter screen is damaged or rusted, please replace it in time.

Maintenance List

Item	Maintenance Item	Maintenance Frequency
1	Grease the universal wheel.	Quarterly.
2	Check if any damage on shock absorber of air compressor.	Quarterly.
3	Refer to the cleaning and maintenance procedures to thoroughly clean the nozzle.	It is recommended to clean the nozzle every 50 hours of operations.
4	Regularly check if any blockage of filter screen.	It is recommended to clean the nozzle every 50 hours of operations.
5	Check the internal cleanliness of inside liquid tank.	It is recommended to clean the nozzle every 50 hours of operations.
6	Clean the equipment surface.	Clean after each use.
7	Check the battery whether any damage and bulge.	Check before and after operation and charging.
8	Check that the connection joints of air, liquid and power pipelines are properly connected without any looseness.	Check before each use.
9	Check the status of electrostatic indicator light when the equipment is running.	Check before each use.
10	Check whether the air hose, liquid hose and power cable are damaged.	Check before each use.
11	Check whether the cooling hole is blocked.	Check before each use.
12	Check whether the cooling fan rotates.	Check before each use.
13	Check whether the grounding chain is damaged.	Check before each use.

14	Check whether the universal wheel rolls smoothly.	Check before each use.
15	Check whether the spray gun switch can be opened and closed smoothly.	Check before each use.



Note

Please pay attention to the following maintenance precautions. Failure to operate according to the regulations will affect the service performance of the equipment and the service life of parts, and cannot obtain the warranty.



Caution

Every continuous running of one hour or more, shut down the equipment for 5-10 minutes, so as to avoid the damage to the air compressor and affect the service life of equipment.

The battery should be used in a suitable ambient temperature; the charging temperature range is 0~45°C, and the discharge temperature range is -20~60°C.

When the equipment is not used for a long time, it is necessary to regularly check the battery power and charge it in time to avoid battery damage due to long-time power loss.

The battery shall be charged by the matched charger; it is strictly forbidden to directly connect the power cord to the charging port.

The equipment shall be stored in a dry and cool place indoors; the service life of the battery will be reduced in the overheat and super cool outdoor environment.

When cleaning the equipment, it is strictly forbidden to directly clean the air compressor with water.

Troubleshooting

Fault Phenomenon	Cause Analysis	Solutions
Spray is intermittent, unstable and liquid output decreased.	Filter screen blockage.	There is a filter screen inside the liquid hose connector on spray gun side. Check whether it is blocked and replace it if necessary.
	Nozzle internal blockage.	Clean the nozzle according to this manual.
	Insufficient disinfectant.	Add disinfectant to the tank.
	Nozzle cap is loose.	Check whether the nozzle cap is tightened.
	Air or liquid leakage in pipeline.	Check whether the air hose and liquid hose are damaged. If damaged, replace the damaged air hose or liquid hose. Check whether the pipe joint is loose and ensure that the joint is tightened.
	Relative height between tank and nozzle is too big.	Reduce the height difference between the nozzle and the tank in the use.
	Low battery.	Check the battery power, charge or replace the battery in time.
	Abnormal spray gun switch.	Check the spray gun switch to ensure smooth opening and closing.
	Abnormal air compressor.	Check whether the air compressor is abnormal.
	Seal ring of quick-disconnect plug at tank outlet is damaged.	Replace sealing ring or quick-disconnect plug.
	Indicator light damaged.	Replace the indicator light.

Fault Phenomenon	Cause Analysis	Solutions
Electrostatic indicator light off.	Insufficient air pressure.	Check whether there is air leakage in the air hose; check whether the air compressor is abnormal.
	Pressure switch damage.	Check whether the pressure switch is damaged. If yes, replace the pressure switch.
	Wire damage.	Check whether the wire is damaged, if yes, replace the wire.
Charging failure.	Air switch not in ON position.	Turn the air switch to ON position.
	Air switch damage.	Replace the air switch.
	Charger fuse damage or charger damage.	Replace charger fuse or charger.
	Connection of charger is not in place.	Connect the charger in place.
	Mismatched charging voltage or charger's positive-negative pole.	Original charger is not selected, please use the original charger.
	Battery damage or aging.	Replace the battery.
Turn on the power switch, the equipment is not started.	Connection of battery is not in place.	Connect the battery in place.
	Air switch not in ON position.	Turn the air switch to ON position.
	Air switch damage.	Replace the air switch.
	Switch button damage.	Replace switch button.
	Wire damage.	Replace damaged wires.
	Abnormal air compressor.	Check whether the air compressor is abnormal.
	Tank cap not	Tighten the tank cap.

Fault Phenomenon	Cause Analysis	Solutions
Tank overflowed during the operation.	tightened.	
	Seal ring of quick-disconnect plug is damaged.	Replace seal ring or quick-disconnect plug.
	Broken tank.	Replace the tank.
	Seal of tank cap or vent valve is damaged.	Replace the tank cap or vent valve.
Air compressor is abnormal or does not work.	Air compressor bursts.	Check whether the air path is blocked.
	Connector loose or the connection line damaged.	Check the circuit and connector.
	Compressor actuator damage.	Check the actuator and replace it if damaged.
	Air compressor motor damage.	Replace air compressor.
Switch button cannot be pressed or rebounded.	Switch button damage.	Replace the switch button.
Electric shock to hands from spray gun during operation.	Grounding chain damage.	Check the grounding chain, if damaged, please replace it.

Warranty Policy

The warranty for Jereh electrostatic disinfection sprayers is implemented from the date of purchase. The warranty clauses are as follows:

Basic Statement

During the warranty period (calculated from the date of invoice), if the product fails during normal use, Jereh provides warranty service. Please note the following:

- The lost warranty card will not be reissued. Please keep it properly.
- The warranty card is only valid in China mainland.
- Jereh does not provide on-site services for overseas customers (outside China mainland). For damages during the warranty period, Jereh will provide replacements for free; for damages caused by natural or human factors beyond the warranty period, Jereh will provide paid replacements, and the freight and custom duty shall be paid by the customers.

Product Warranty

- Whole equipment and main parts (air compressor and spray gun): free warranty within 1 year.
- Vulnerable accessories: paid accessories.

During the warranty period, the following situations are not covered by the free warranty:

- Fail to present the corresponding purchase order or invoice;
- The information recorded on the warranty card is inconsistent with the actual product information or altered;
- The operation is not carried out in accordance with the manual and the items prohibited in the manual are violated;
- The products are maintained by staff not authorized by Jereh;
- The damage caused by natural disasters or force majeure;
- Self dismantling or man-made damage.

During the extended warranty period, the warranty period will not be extended or recalculated after replacement of parts or major components.

Jereh provides the paid maintenance services for customers on the equipment with expired warranty period.

Warranty Card

Product Model	
Product Name	
Product Number	
Purchase Date	
Invoice Number	
User Name	
User Phone Number	
Address	
Date	Maintenance Record

After sales service phone number (filled in upon the product sales)

Legal Statement

The materials and graphics in this manual are correct at the time of publication, but the structure and performance of Jereh's products are always improving. The relevant contents in this manual may change. Please refer to the actual products. Jereh has the right to upgrade the technology and modify the product appearance.

Please read this manual carefully before using this product. Jereh will not be responsible for any consequences caused by operation beyond the procedures of safety, correct operation, repair and maintenance of the equipment.

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Packing List

Documentation

Item	Description	Qty.
1	Certificate of Conformity	1
2	User Guide	1
3	Packing List	1

Complete Equipment & Accessories

Lithium Battery Powered Suitcase Sprayer

Item	P/N	Description	Qty.
1	8000005889A	Suitcase Sprayer	1
2	C020073582	Power Switch	1
3	B990075405	Quick-disconnect Plug	1
4	P060078257	Shock Absorber	2
5	E040074326	Filter	2
6	B990075406	Quick-disconnect Plug	1

AC Powered Suitcase Sprayer

Item	P/N	Description	Qty.
1	8000005909A	Suitcase Sprayer	1
2	C020073582	Power Switch	1
3	B990075405	Quick-disconnect Plug	1
4	P060078257	Shock Absorber	2
5	E040074326	Filter	2
6	B990075406	Quick-disconnect Plug	1