



JES-BP18
Electrostatic Disinfecting
Backpack
Operator's Manual

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Foreword

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




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

This operation and maintenance manual consists of introductions regarding 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 the device. If you have any unsolved problem, please contact our after-sales service staff in your regions.

Safety Symbols

To avoid personal injury and ensure the 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








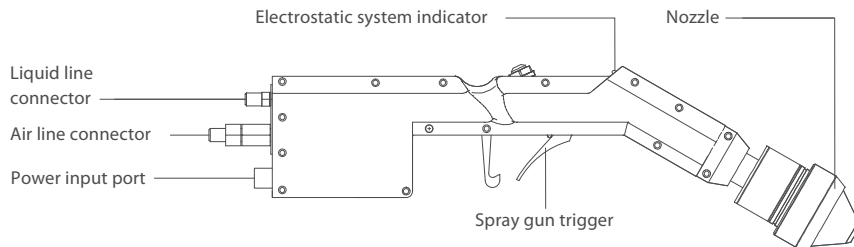
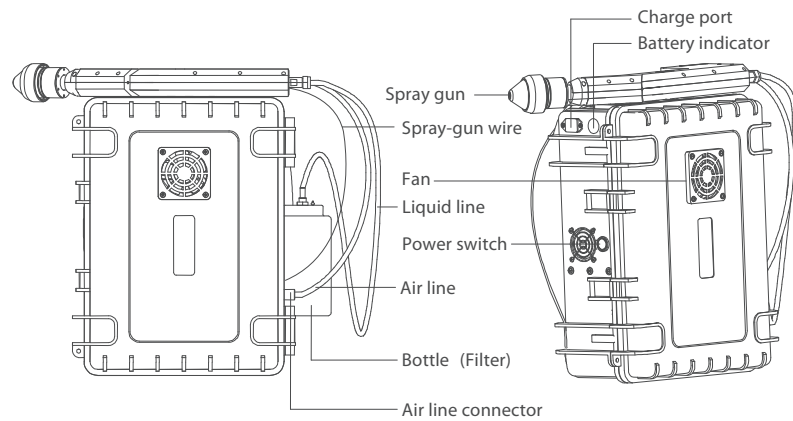
-  It is forbidden to spray alcohol, kerosene and other flammable liquids.
-  It is forbidden to clean the device with a pressure water gun when cleaning it. Make sure that the device has been turned off, and the charging cable has been disconnected and the rubber cap on the charging port is fastened, otherwise it may cause electric shock or serious failure due to internal water ingress.
-  The lithium battery should be securely fixed on the device and handled with care when removing and installing it to prevent violent collision.
-  The device should be protected during usage and transportation to prevent collision, falling and vibration.
-  Do not use alcohol, gasoline, kerosene or other corrosive, volatile chemical solvents to clean the equipment. Otherwise, the appearance and internal structure of the product will be seriously damaged.
-  When spraying electrical appliances, keep the nozzle more than 1 meter away from the electrical appliances.
-  The mist is loaded with static electricity, feeling static electricity is normal during operation.

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Product Description



Model	JES-BP18
Dimension	380 × 230 × 480mm
Weight	13kg (Battery included)
Voltage	24V
Power	180W
Bottle/Tank Volume	1L
Nozzle Liquid Flow	60-100ml/min

Operating Instruction

Preparation

- Wear protective equipment before starting the device, including protective clothing, goggles, respiratory masks etc.
- Power connection: Open the backpack when the device is used for first time, and connect the quick disconnect on the battery to the backpack. Close the backpack after the connection is completed.
- Spray gun power connection.
Spray gun is powered by battery installed in the backpack. One end of spray gun power wire is connected to power output port, the other end is connected to power input port.
- Add disinfectant to the bottle.
- Pipeline connection
Connect the quick connector at one end of the air pipe (fat pipe) / liquid pipe (thin pipe) to corresponding connector of the spray gun.
Connect the quick connector at the other end of the air pipe (fat pipe) to the backpack air port. Connect the quick connector at the other end of the liquid pipe (thin pipe) to the quick connector of disinfectant bottle cap.

Start

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

NOTE

The air in lines need to be emptied before operation, so engage the trigger for 5-10 seconds until you can see the mist out of the spray gun.

Keep your hand in contact with the trigger during spraying.

Best lifting height of spray gun is 0.7m (from the bottom of liquid bottle); with the increase of lifting height, the liquid output from spray gun will decrease; when the lifting height is over 1m, it is normal if no liquid from spray gun.

WARNING

When spraying, be sure to keep the backpack closed to prevent mist from entering the compressor and causing a short circuit.

Shut down

- Release the trigger.
- Turn off the power switch.
- Fix the spray gun and clean stains.

NOTE

Release the trigger. After the airflow continues to spray for 5-10 seconds, turn off the power switch and the spraying ends.

CAUTION

Pipes will be warm and hot after long time operation. To prevent burns, the pipes can be disconnected after 3-5 min once the operation is done.

Maintenance

Equipment Cleaning and Storage

- Wipe off stains on the surface of equipment, using the soft cloth and clean water.
- Flush the internal pipelines of the equipment with clean water regularly to prevent blocking caused by the chemicals remaining in the disinfectant bottle and pipelines.
- Replace the liquid solutions in the bottle with clean water, start and spray for 1-2 minutes to clean the lines.
- Open the bottle/tank and drain the liquid.
- Start again and run for 1-2 minutes to clear the water in lines.
- Store the equipment in a cool and dry room. Hot or cold environment will reduce battery life.

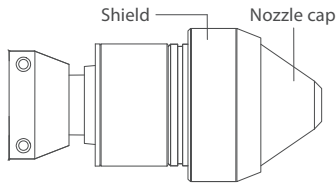
WARNING

Make sure the equipment is off before cleaning, and unplug the charging cable and fasten the rubber cap of the charging port. Otherwise an electric shock or serious fault may occur.

Drying treatment is necessary after the cleaning.

Nozzle Cleaning

- Clean the surface of the nozzle.
- Remove the shield and nozzle cap, and wipe the nozzle cap.
- Reinstall the nozzle cap and shield.



NOTE

The nozzle may be blocked after long time use, which will reduce the spray flow. Cleaning the inside of the nozzle regularly will avoid blockage caused by deposited chemicals.

CAUTION

The nozzle cap should be tightened by hand, never with pliers or other tools.

List of Maintenances

No	MAINTENANCES	CYCLE
1	Check the electrostatic system indicator when the equipment is running.	Every operation. Check if the spray gun power wire is connected and the wire is damaged.
2	Clean the nozzle according "nozzle cleaning" procedures.	Every 50 hours of work.

NOTE

Please pay attention to the following maintenance. Improper operation will affect equipment performance and will not be covered by warranty.

WARNING

Stop for 5-10 minutes after the device continuously works for more than 1 hour to avoid compressor damage and extend device service life.

The battery should be used at a suitable temperature, with a charging temperature range of 0-45°C and a discharge temperature range of -20~60°C.

WARNING

It is forbidden to wash the compressor directly with water.

Troubleshooting Guide

Symptom	Possible Problem(s)	Corrective Action
Air pressure of spray appears low	Air fittings are loose.	Check for leaks in components. Apply soapy water to air connections – tighten ones that bubble.
	Air fittings are too tight and the gasket or seal is crushed and damaged.	Check the air assembly for damage and replace damaged seals.
	The hose connection is not reliable.	Fasten loose connection hoses.
	The hose is worn or has an opening.	Check for leaking trachea and replace it.
The spray from nozzle is erratic	Nozzle is blocked.	Clean nozzle according to instructions.
	low liquid level in the bottle.	Refill bottle.
	The position of the bottle is too high compared to the nozzle, and the water pressure is not enough.	Raise the bottle to reduce the height difference between the nozzle and the bottle.
	The component connected to the nozzle is loose.	Check if the black hose on the rear of the nozzle is pulled and reconnected.
	Trigger is disengaged.	Make sure trigger is engaged.
Charging indicator (LED) is out	Light bulb damaged.	Test spray charge with the multimeter. If there are charges, the bulb needs to be replaced.
	Damaged wire.	Check for damaged wires and replace if necessary.
The nozzle fluid flow is low	Clogged liquid Filter.	Check the built-in filter screen of liquid bottle to see if any jam exists, replace it if necessary.

Warranty Policy

The warranty of Jereh electrostatic spray disinfection equipment is implemented from the date of purchase. The warranty terms are as follows:

Basic Statement

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

- This warranty certificate will not be reissued if lost, please keep it properly.
- This warranty certificate is valid only in the Republic of China (Hong Kong / Macau / Taiwan is temporarily unavailable).
- Jereh does not provide on-site services for overseas customers (outside mainland China). 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 (For domestic customers)

- Free warranty for the device and main components (Air compressor, spray gun) is one year.
- Consumables are provided in accordance with the relevant provisions.

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

- Failure to present the corresponding purchase order or invoice;

- The information recorded on the warranty certificate is inconsistent with the actual product or altered;
- Failure to follow the instructions and violate the content prohibited by the instructions;
- The product is repaired by staff not authorized by Jereh;
- Damage due to natural disaster or force majeure;
- Disassembly by yourself or artificial damage.

During the extended warranty period, no replacement parts or major components will be extended, and their extended warranty period will not be recalculated.

Jereh provides paid repair services to domestic consumers who have exceeded the warranty period.

Warranty Card

Product Model	
Product Description	
Product ID	
Purchasing Date	
Invoice Number	
User's Name	
User's Contact	
User's Address	
Date	Maintenance records

After-sales Service Hotline (Fill in when selling) :

Legal Notices

The information and graphics in this manual are correct at the time of publication but our products are always improving and perfecting. The content of this manual may change, please refer to the actual delivered products.

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

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Packing list

Documents

Item	Description	Qty	Remarks
1	Quality Certificate	1pc	
2	Operator's Manual	1pc	
3	Packing List	1pc	

Overall Unit

Item	P/N	Description	Qty	Remarks
1	8000005421A	Electrostatic Disinfecting Backpack	1unit	
2	E020074048	Bottle - 1L	2pc	
3	8004336634	Liquid Line	1pc	
4	8005336632	Line	1pc	
5	E990073624	Spray-gun	1pc	
6	C060075637	Battery	1pc	
7	---	Battery charger	1pc	
8	E070076640	Filter	3pc	
9	C060076920	Fuse 20A	2pc	
10	C020073582	Power Switch Button	1pc	
11	E020074049	Liquid bottle rack	1pc	
12	B990076509	Quick dis-connect	1pc	

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EXPECTATIONS!**