

Battery disinfection cold fogger; 24 V DC; 240 W

Ordering code: DD-MOL-102



General information

- The equipment for creating so-called cold fog from a solution of distilled water and a disinfectant containing an active substance (e.g. Oxychlorine) is used to disinfect industrial and social areas, vehicles, households, small businesses, public and outdoor areas, playgrounds, etc.
- High power (240 W) and operation on a built-in Li-On battery together with replaceable nozzles allows you to choose the size of the droplets of the sprayed disinfectant (so-called cold fog).
- Large disinfectant solution



A disinfectant solution containing alcohol, oil, liquid gases or perfumes must not be used in this device. Use of such disinfectant solution may cause a fire or explosion!

Thank you for purchasing our battery disinfection fog maker. Before using the product, please read the user manual carefully and strictly follow the safety instructions for operation to avoid product failure.



Important information

Do not overfill the solution tank (maximum 2.0 L) to prevent its overflow.

The engine speed is fixed to ensure correct and efficient spraying of disinfectant.

Only water-soluble disinfectants may be used with this equipment and make sure that there are no impurities in the solution to prevent clogging of the filter or spray nozzle.



A disinfectant solution containing alcohol, oil, liquid gases or perfumes must not be used in this device. Use of such disinfectant solution may cause a fire or explosion!

Turn off the device immediately if any of the following conditions occur:

- the device is exposed to rain or direct contact with water;
- the engine has stopped working;
- change in engine sound;
- leakage of the disinfectant liquid;
- the engine does not work after starting;
- another dangerous situation.

When using the device, it is necessary to wear protective clothing and a protective mask.

After using the device, empty the disinfectant tank and start spraying with clean water to clean the inside of the device and prevent clogging or erosion of the nozzle.

After use, clean the disinfectant solution tank according to the disinfectant manufacturer's instructions.

Do not use the device in the rain. DO NOT turn the charger ON or OFF with wet hands. Do not forcibly unplug the charger's power cord.

To prevent damage to the engine, do not turn it on or off too often to avoid damaging the engine.

DO NOT DISASSEMBLE the device! Please contact a specialist technician if repair is required.

The device should not be stored near any flammable or explosive devices, in a humid environment, or in a high temperature environment.

Main components



- ① output air duct
- ② carrying strap holder
- ③ charging connector
- ④ battery status LED
- ⑤ disinfectant tank cap
- ⑥ disinfectant liquid tank
- ⑦ battery cover
- ⑧ ON / OFF switch
- ⑨ charger
- ⑩ carrying strap

Technical specification

battery fogger; ordering code	DD-MOL-102
voltage	24 V DC
power	240 W
battery capacity	8 Ah
disinfectant tank volume	2 litres
disinfectant consumption	80 - 150 ml/min. (adjustable by nozzle type)
droplet size	nozzle No. 1 ≤ 50 µm; nozzle No. 2 50-100 µm; nozzle No. 3 100-150 µm
effective reach	5 – 8 m
operating time	50 – 60 min.
charging time	4 hours
weight	3,9 kg (Bruto weight 5,35 kg)
dimensions	685 x 275 x 180 mm

Basic principles of operation

Battery-powered industrial fogger uses a high-performance brushless motor. The rotation of the fan blades creates a fast air flow. At the same time, the motor increases the pressure in the solution tank and thus pushes the disinfectant solution into a specially designed nozzle. The combined effect of a fast air stream and a special nozzle causes the disinfectant solution to be sprayed into miniature cold mist droplets.

Areas of application:

1. disinfection of warehouses, production facilities...;
2. disinfection of means of public transport and trucks;
3. disinfection of public spaces, playgrounds...;
4. disinfection of animals breeding houses;
5. disinfection of fruits and vegetables, food, healthcare.

Operating instructions

1. Charge the battery with the included charger before using the fogger.
2. Fill the tank with disinfectant solution and then tighten the tank cap properly



Do not overfill the tank above the line of max. tank volume - 2 litres of solution (Figure 1).



Fig. 1



Fig. 2

3. Use the switch on the side of the device to start fogging (Figure 2)

Warning - the engine starts gradually with a short time delay.

4. After finishing work, empty the solution tank and rinse it with clean water. Then fill the tank with clean water and turn on the device for approximately 1 minute to flush the disinfectant solution transport tubes and the nozzle itself.
5. Charge the battery to full capacity. While the fogger battery is charging, the LED on the charger lights up red, and turns green when the battery is fully charged.

After cleaning the device, turn off the power (the rocker switch is located under the cover on the right side of the device) and place the device in a safe place away from moisture, direct sunlight and out of reach of children.



Trouble shooting

1. The device does not start.

Cause 1: The battery capacity is insufficient. The battery has automatic low voltage protection.

Solution: Make sure the battery is charged.

Cause 2: Engine overload (overheating).

Solution: Stop working and place the device in a well-ventilated place for 30 minutes.

2. The device works without spraying (fogging).

Cause 1: There is not enough disinfectant solution or there is no solution at all in the tank.

Solution: Check and fill the tank with solution.

Cause 2: The tank cap is not closed properly.

Solution: Close and tighten the tank cap properly.

Cause 3: The spray nozzle is clogged.

Solution: Clean the spray nozzle.

Cause 4: Clogged control valve or clogged spray nozzle.

Solution: Use compressed air to clean the disinfectant solution line and nozzle.

Cause 5: The disinfectant solution distribution hose has fallen out.

Solution: Reinstall it.

Cause 6: The spray head is stuck.

Solution: Disassemble the head and reassemble it.

3. Unusual sound from the device.

Cause: Clogged air supply.

Solution: Remove the obstruction in the air supply.

Warnings

1. The operating temperature of the device is in the range of 0 to 40°C.
2. Please make sure that the battery capacity is sufficient before use. If the power indicator is red, please charge the battery before using the device.
3. If the device has not been used for a long time, fully charge it before use.
4. Do not use the device while it is charging.
5. It is forbidden to use other types of batteries to prevent damage to the device.
6. The use of strong corrosive liquids is prohibited. As a result of the use of such liquids, the spray nozzle may corrode or become clogged with dissolved impurities.



7. If water has entered the device, make sure that the device is completely dry before switching it on again.
8. The device should not be exposed to shocks or falls.
9. Do not use the device in the rain.

Unplug the device immediately if any of the following situations occur:

- Water enters the device.
- The engine suddenly stops working.
- The sound of the engine changes significantly.
- Disinfectant solution leaks from the tank.
- The engine does not work or another abnormal situation occurs when the machine is turned on.

In the event of damage to the device, contact your dealer. It is forbidden to disassemble the device.

Warranty

The device and the main components of the device are covered by a warranty period of 12 months, except for the O-rings of the spray nozzles and the filter foam, which are covered by a three-month warranty period.

The following defects are not covered by the warranty:

1. damage to metal parts, holders and metal washers due to the use of disinfectant with corrosive effects
2. failures and damage due to unauthorized modification of the product or its parts
3. failure to follow the operating or maintenance instructions
4. any damage caused by improper handling and use or overloading
5. damage caused by natural influences or force majeure.

Package contents

No.	Item	Specification	Quantity
1	Battery powered fogger		1
2	Charger		1
3	screwdriver		1
4	Carrying strap		1
5	Filter sponge		1
6	Spray nozzles	1,2 / 1,5 / 1,8 mm	1
7	Sealing O-ring	8,5 * 1,8 mm	1
8	User manual		1