

BioSpray User Manual

Prior to operating the unit, please read the owner's manual carefully, and most importantly, observe all safety rules. Follow the maintenance guidelines to ensure the long service life of your equipment. We will be happy to assist you with any questions.

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EC declaration of conformity - The EC declaration of conformity **on a separate document** forms part of these operating instructions. Please contact us if this is required.

Packaging and Disposal

Please keep the original packaging in order to protect the equipment against transport damage in the event that you ever need to ship it or transport it.

If the packaging materials are no longer required, they should be disposed of properly in accordance with applicable local regulations.

Corrugated board packaging materials may be recycled or reused.

At the end of the equipment's service life, please make sure that you dispose of it in accordance with the official directives and regulations that apply in your area.

The manufacturer reserves the right to change the design and configuration of any product without prior notice. For that reason, claims cannot be accepted with reference to text and illustrations in this manual.

Symbols

The following symbols are used in this manual and on the product:



Always handle this power tool with particular care



Thoroughly read these operating instructions before undertaking any maintenance, installation and cleaning steps



Wear protective gloves when handling and working with the equipment



A breathing mask should be worn when using chemicals.



Pesticides can be flammable.

Labelling

	MACRO TEKNİK MUHENDİSLİK	
İVOGSAN 1377 Sok. No:39 Yenimahalle / ANKARA / TÜRKİYE Tel: +90 312 395 00 99 (pbx) Fax: +90 312 385 56 83 Gsm : +90 544 448 46 10 www.ulv-fogger.com – info@ulv-fogger.com		
Description	Disinfection Machine	
Model	Biospray	
Type		
Seri No:		
Production Date		

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2. Workshop service, replacement parts and guarantee

2.1. Maintenance and Repair

Maintenance and repair of the Biospray fogger and safety-relevant assemblies require qualified, specialised training and a workshop equipped with special tools and test devices. We advise that any essential work is completed by the manufacturer. Please contact us with any requirements.

2.2. Replacement Parts

The continued operation and safety of your device is dependent on the quality of any replacement parts that are used. We advise only original manufacturer's replacement parts, thus guaranteeing the highest material quality, dimensional accuracy, functionality, and critically, safety. Original replacement parts and accessory parts are available from our head office. Original replacement parts are essential in order to maintain equipment warranty.

2.3. Guarantee

The manufacturer guarantees quality performance and will assume the costs for defect remediation by replacing the defective parts in the case of material or manufacturing defects that occur within the guarantee period after the date of purchase. Please note that specific guarantee conditions apply in some countries. Warranty terms specifically exclude damages due to the following:

- Non-compliance with the operating instructions.
- Neglecting required maintenance and repair work.
- Normal wear and tear.
- Obvious overload through persistently exceeding the upper performance limits.
- The use of force, improper handling, misuse, or accident.
- Intervention by non-specialised persons, or improper repair attempts.
- The use of unsuitable replacement parts or parts other original manufacturer parts to the extent that they cause damage.
- Using substances other than liquids.
- Using unsuitable solution stored for excessive periods in the unit.
- Damages that can be traced to implementation conditions from rental of the unit.

Cleaning, care, and adjustment work are not recognized as guarantee performances. All guarantee work must be carried out by the original manufacturer, on return-to-base terms.

3. Important Components



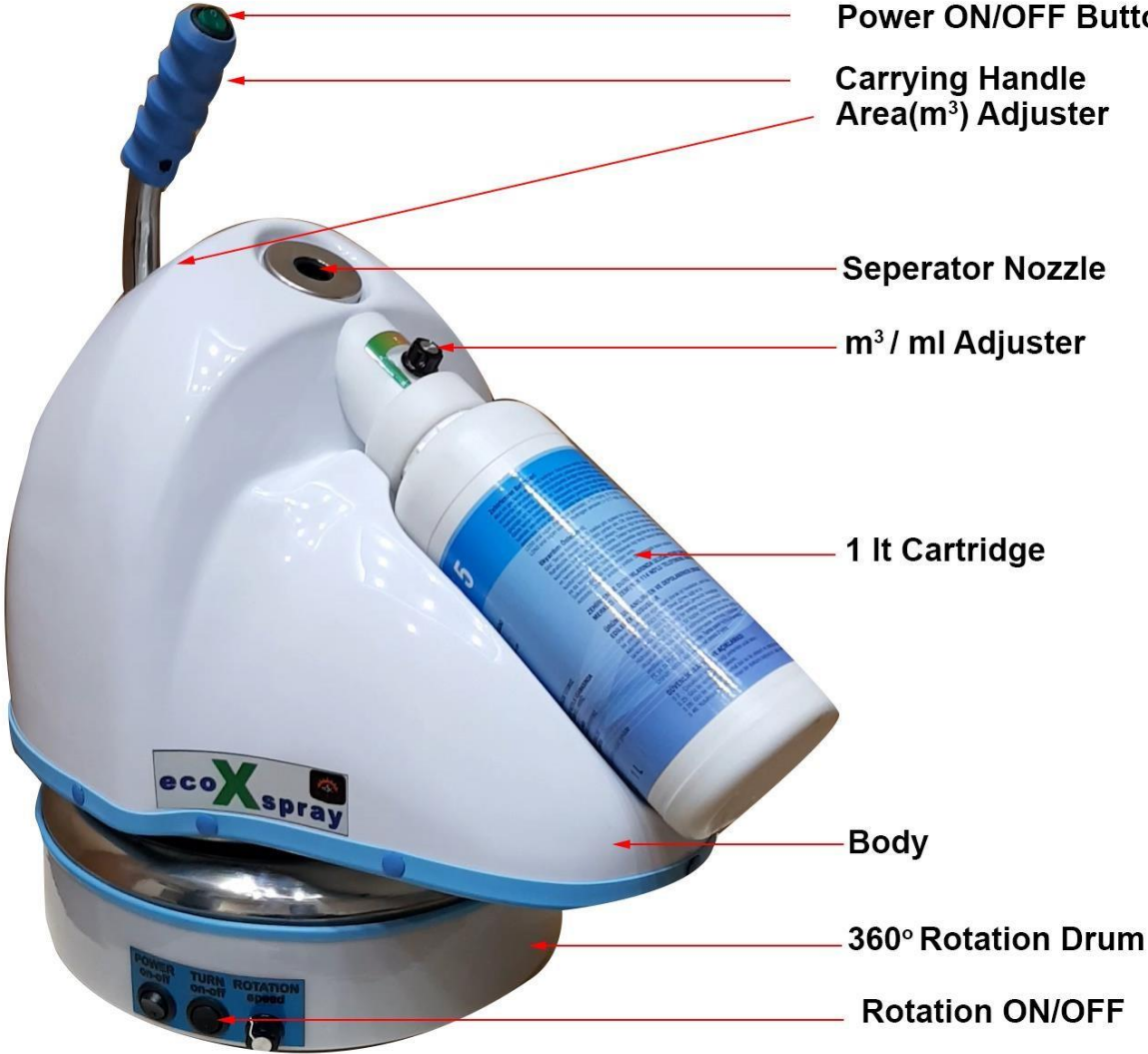
Area (m^3) adjuster



(m^3/ml) adjuster



Suction pipe



4. Safety regulations

4.1. Correct use / Application

The machine may only be used for the following areas of application:

- The unit is suitable for applying disinfectant approved by national regulatory authorities. Follow instructions for use with extreme care. Within certain limits, the amount to be applied is subject to the position of the machine.

According to designation, this equipment is suitable for environmental and surface disinfection.

Always observe all safety guidelines while using the machine.

- The unit is designed for wet and dry disinfection according to requirements. Adjust the disinfectant amount from 1ppm to 6ppm by using the (m³/ml) adjuster. We suggest 0 - 2ml / m³ (0 – 2 ppm) for dry disinfection acceptable and 3 - 6 ml/ m³ (3 – 6 ppm) for wet disinfection.

4.2. General safety instructions

Please read the operating instructions carefully before placing in service and keep them in a safe place.

First time users should take particular care.

The operator of the unit is responsible for the health and safety of others within the operating area. Only operate the unit when in good physical condition. Fatigue and illness lead to carelessness and accidents.

Proceed with caution at all times:

- Never use the unit whilst under the influence of alcohol or drugs;
- The air exit speed from the nozzle is high. Never point the nozzle towards persons or animals.
- Do not spray near an open flame or flammable materials
- Ensure the unit is level at all times.



- Wear appropriate protective clothing which covers all body parts. This includes gloves, head protection, foot protection, body protection and breathing apparatus where appropriate. Always read the chemicals SDS. Avoid loose clothing or PPE.
- Wear firm shoes with good traction - safety shoes where relevant.



Wear protective gloves with non-slip grip.



When using spray medium that may be hazardous to health, wear respiratory protection.

Any clothing soaked with chemical should be changed immediately. Always observe accident prevention regulations issued by local authorities or applicable to facilities where the unit will be in operation.

4.3. Protection of Environment

Be aware of your surroundings

- Carry out robust risk assessment before using chemicals. Have regard for human or animal life within the target area.
- Be aware that noise is harmful to the environment and may lead to hearing damage. Wear suitable PPE.

4.4. Operating Hints

- No other persons or animals should be present within a circle of 100 meters while the machine is running.
- Objects carried by the air stream can deflect and cause injury or damage.
- Never operate the unit whilst it is in any way unstable.
- Pay particular attention to the safety aspects of any chemical or solution to be used in the fogger unit. If in doubt, contact the chemical/solution supplier.

5. Maintenance and care

Cleaning, maintenance or repair work should only be performed when the machine is stopped. Any service jobs, other than those described in this manual, should only be carried out by an authorised service centre. Only original parts may be used for any maintenance and service work. Never modify the fogger unit in any way.

6. STARTING MACHINE

STARTING .

1. Discharge the cartridge by turning counter-clockwise



2. Fill the cartridge with the liquid-based disinfectant and restore it to the screw-in fitting on the fogging unit.
3. Plug the machine into a grounded power outlet.
4. Calculate the volume of the target zone, and set the appropriate volume on the dial.

4. Adjust the m^3/ml according to required disinfectant amount.



5. Turn on the Power and Rotation button and discharge the area. The unit will start automatically 30 seconds.
6. The machine will stop automatically after disinfection is complete based on the volume setting.
7. Ensure the disinfected zone is kept isolated for the period of time required to dissipate residual disinfectant. Contact your chemicals provider if in doubt.



7. Technical Specifications

- 6.1 kg Weight
- 1,100 Watt 220 V AC 50-60 Hz Electric motor
- Adjustable Rotation Speed
- Assurance of homogeneous fogging distribution through 360° rotation drum
- Dry and Wet mist projection by Venturi effect up to 15 meters radius from the appliance
- Speed of mist flow rate 80 m/s
- Droplet size : 7-20 micron
- Interchangeable cartridge 1 ltr.
- 0.5 – 1.2 ml per cubic metre according to adjustable droplet size.
- Programmable volume from 0 – 1,000 m³

8. Troubleshooting

Problem	Reason	Solution
Machine is not working	No Electricity	Check the supply.
	Power Button OFF	Turn to ON position
	Unit is faulty	Contact the Supplier
Rotation is not working	Button OFF	Take the ON position
	Engine is faulty	Contact the Supplier
Not spraying	m ³ /ml adjuster is OFF	Adjust
	Suction pipe is choked	Flush the pipe
	No liquid in the cartridge	Fill the cartridge
	Application stopped early	Adjust m ³
	Air filter is dirty	Contact the Supplier