

AU9000E

A compact and efficient ULV cold fogging machine



The Micron AU9000E is a vehicle-mounted cold fogger for use with both conventional and water-miscible ULV formulations. Uses include the control of adult mosquitoes, flies, and similar pests as well as disinfection and odour control.

The Micron AU9000E cold fogging machine has been designed to comply with the latest International Standards for vector control equipment.

- Complies with latest WHO guidelines for vector control equipment
- Remote, precise flow control via selectable dial
- Compact with small footprint to fit onto most pickup vehicles
- Simple, lightweight, and robust design
- Precise droplet size control for effective application
- Applies oil and water-miscible ULV formulations
- Safety interlock for liquid flow with remote sensing
- Suitable for the control of adult mosquitoes and flies, fumigation, and odour control
- Remote engine start, throttle control and pump operation with indicator LEDs from in cab controller
- Self-adjusting engine to blower double belt transmission
- Supplied with toolkit and simple operating instructions

The Micronair AU9000E is a vehicle-mounted ULV cold fogging machine developed specifically for the control of adult mosquitoes, flies and similar pests using both oil and water-based insecticides.

The AU9000E provides excellent control of spray droplet size and liquid flow rate, whilst being easy to operate and maintain. It is intended for use by municipalities, pest control contractors, health authorities and similar organisations requiring efficient, cost-effective pest control.

The fogger uses a reliable 10 HP Briggs & Stratton four-stroke engine, driving a powerful 180 m³/hour blower. Two atomiser fogging heads can be independently oriented both horizontally and vertically to achieve a wide swath width and to provide optimum coverage of the target.

All controls are operated remotely from inside the vehicle cabin for maximum operator safety. The sprayer incorporates many unique safety features, including an air pressure sensor to stop the insecticide pump in the event of the engine stopping or a failure of the blower. The flow of product is controlled by a ten-position switch on the control box in the cab to ensure precise and repeatable flow rates without need for repeat calibration.

All pipework and components in contact with product are manufactured from chemical resistant materials. The main tank has a wide aperture for ease of filling and a drain valve for easy and safe emptying after use. A 10 litre flushing tank is provided to enable insecticide to be flushed from the pump, hoses and atomiser heads after use.

The engine and blower are mounted on an independent sub frame with shock mounts to ensure vibration free and reliable operation. The frame is provided with mounting holes and provision for lifting with a forklift truck for secure installation and ease of handling.

The AU9000E has been independently tested and conforms to the latest U.N. World Health Organisation (WHO) specifications for vehicle mounted vector control equipment.

Specification

Dimensions:	Length 900 mm width 850 mm, height 900 mm excluding atomiser heads 1200 mm including atomiser heads
Spray release height:	1200 mm above vehicle bed
Weight:	145 kg (tanks empty)
Engine:	10 HP Briggs & Stratton Vanguard single cylinder 4 -stroke
Fuel:	Standard 95 octane unleaded petrol
Fuel tank:	3.3 litre capacity steel tank with splashproof filler cap
Blower:	180 m ³ /hour capacity side channel blower running at 3100 RPM
Fogging Atomisers (2):	Stainless steel body with vortical
Droplet size:	15–20 µm VMD for oil-based ULV 20–25 µm for water-based ULV (actual VMD will depend on formulation properties)
Flow rate:	Adjustable 0–1.4 l/min (total flow from both atomiser heads)
Flow adjustment:	By in-cab electronic control
Main tank:	60 litre capacity HDPE construction with 200 mm diameter filling aperture and tank lid with splashproof vent
Flushing tank:	10 litre capacity HDPE construction with 100 mm diameter filling aperture
Electrical power:	12 VDC @ 5 A max (fogging), 60 A (engine start)
Electrical Power Source:	12 V vehicle battery
Mounting on vehicle:	M10 bolts through universal mounting base
Control box:	Mounted in cab of vehicle Switches: Engine start/stop Engine throttle control Liquid pump on/off Indicators: Air pressure Liquid pressure

Above figures are for guidance only.

Performance will vary according to chemical formulation and conditions of use.

See AU9000E handbook for full details.

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