

AU9000

A robust and effective cold fogging machine



The Micron AU9000 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 AU9000 cold fogging machine has been designed to comply with the latest International Standards for vector control equipment.

- Meets the latest International Standards for vector control equipment
- Simple and robust construction
- Precise droplet size control for effective ULV application
- Suitable for use with conventional and water-miscible ULV formulations
- Safety interlock for liquid flow
- Suitable for the control of adult mosquito and flies control, fumigation and odour control
- Supplied with cab mounted remote control, electric engine start, tool kit and installation hardware

The Micronair AU9000 is a vehicle-mounted cold fogging machine developed specifically for the control of adult mosquitoes, flies and similar pests using both conventional and water-based ULV insecticides.

The AU9000 provides excellent control of spray droplet size and flow rate of insecticide, whilst being easy to operate and maintain. It is intended for use by municipalities, pest control contractors, military authorities and similar organisations requiring reliable, cost-effective pest control.

The sprayer uses a reliable 10 HP Briggs & Stratton four-stroke engine, driving a powerful 180 m³/hour blower. The two sprayheads 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 from inside the vehicle cab 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. Insecticide is delivered to the sprayheads by a positive displacement gear pump with an electronic controller. A ten position switch on the control box in the cab selects the flow rate and ensures precise and repeatable calibration.

All pipework and components in contact with insecticide are manufactured from chemical resistant materials. The insecticide 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 purged from the pump, hoses and sprayheads after use.

The engine and blower are mounted on a rigid base frame to ensure smooth running and reliable operation, even in extreme conditions. The frame is provided with mounting holes and provision for lifting with a fork truck for secure installation and ease of handling.

The AU9000 has been tested for compliance with WHO specifications.

Specification

Dimensions:	Length 880 mm, width 850 mm, height 700 mm excluding sprayheads (1150 mm including sprayheads)
Spray release height:	1100 mm above vehicle bed
Weight:	140 kg (tanks empty)
Engine:	10 HP Briggs & Stratton Vanguard single cylinder 4-stroke
Fuel:	Standard 95 octane unleaded petrol (gasoline), maximum permissible ethanol content 10%
Fuel tank:	3.3 litre capacity steel tank with splashproof filler cap
Running time:	2¼ hours approx at full throttle
Blower:	180 m ³ /hour capacity side channel blower running at 3100 RPM
Sprayhead:	Stainless steel body with vortical nozzle
Spray droplet size:	15 – 20 µm VMD for oil-based ULV insecticides 20 – 25 µm VMD f or water-based ULV insecticides (Actual VMD will depend on formulation properties)
Output rate:	Adjustable 0 – 1.4 l/min (total from both sprayheads)
Output adjustment:	By cab-mounted electronic control
Insecticide tank:	50 litre capacity HDPE construction with 180 mm diameter filling aperture and cap with splashproof vent
Flushing tank:	10 litre capacity HDPE construction with 100 mm diameter filling aperture
Electrical power:	12 VDC @ 5 A max (spraying)
Power source:	12 V vehicle battery
Control box:	Mounted in cab of vehicle Switches: Engine throttle Insecticide pump Indicators: Air pressure Insecticide pressure
Mounting on vehicle:	M10 bolts through universal mounting base

Above figures are for guidance only. Performance will vary according to chemical formulation and conditions of use. See AU9000 handbook for full details.

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