



# **PUBLIC HEALTH & PEST CONTROL**

**Professional equipment**



# AERIAL RANGE



## MICRONAIR AU4000

Micronair AU4000 atomisers are used on a number of multi role aircraft for mosquito adulticiding. The unit features an electro magnetic braking system to remotely stop atomiser rotation during long ferry operations. With a maximum flow capacity of 30 l/ min (8 USG/min) this atomiser is suited to larger capacity fixed wing aircraft. Adjustable atomiser blade settings determine rotational speed and hence droplet size, typically around 30-45um for mosquito adulticiding. Units are supplied with check valves, variable restrictor units (VRU) for flow adjustment and a range of mounting clamps.

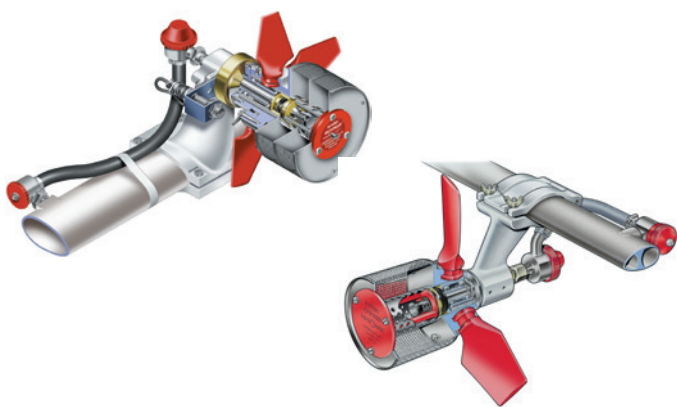


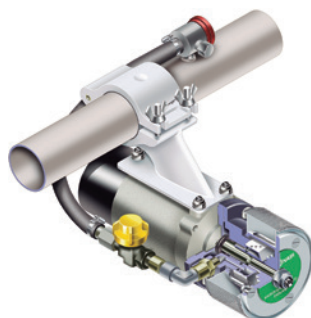
Image courtesy of VDCI, USA

## MICRONAIR AU5000

A lightweight wind driven atomiser with three adjustable fan blades with flow capacity of 23 l/min (6 USG/min). Rotational speed is typically set around 8000 RPM producing small even sized droplets in the 35-50um range for mosquito adulticiding and around 3000-4000 rpm for mosquito larviciding with droplet size range 100-150um.

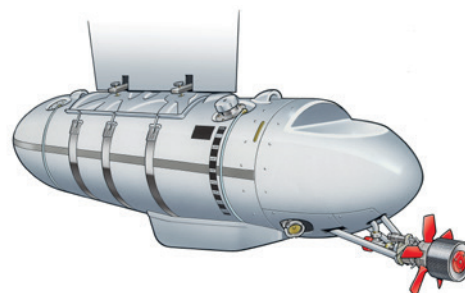
## MICRONAIR AU6539

An electric drive atomiser powered by aircraft 24V DC supply. Flow capacity is 3.0 l/ min (0.8 USG/min) and the unit can be operated with an electronic speed control to select droplet size. Suitable for helicopters and fixed wing aircraft to apply both larvicides and adulticides. Drop size variable from 35 - 300 um depending on rotational speed of atomiser. Complete with check valve, flow restrictor, and mounting clamp.



## MICRONAIR SPRAY POD

The Micronair Spray Pod is a self contained unit with 190 l (50 USG) tanks, pump, atomiser and mounting saddle that is secured under the wing of fixed wing aircraft fitted with hard points and pylons to NATO standard hard carriers on 14" centres. All controls are mounted in the aircraft cockpit with flow and RPM display. The Spray Pods are widely used on a variety of aircraft for wide area mosquito adulticiding operations.





# VEHICLE MOUNTED ULV COLD FOGGER

## AU9000 ULV TRUCK MOUNTED FOGGER



The Micron AU9000 is the latest generation of ULV truck mounted cold foggers. It is designed to comply with the latest International Standards for Vector Control equipment, and it is equipped with many new innovative technical features. Uses include the control of adult mosquitoes flies and similar pests as well as disinfection and odour control.

### MEETS LATEST INTERNATIONAL STANDARDS FOR VECTOR CONTROL EQUIPMENT (WHOPES 2018)

#### EXCELLENT AND PRECISE SPRAY DROPLET SIZE CONTROL

Suitable for use with conventional and water miscible ULV formulations

An **innovative vortical fog nozzle design** produces precisely controlled droplet sizes optimised for effective vector control (15-20  $\mu\text{m}$  VMD for oil-based and 20-25  $\mu\text{m}$  VMD for water-based).

**Two spray heads** can be independently oriented both horizontally and vertically to achieve a wide swath width and to provide optimum coverage.

A **positive displacement gear pump** with an electronic controller and a **ten-position switch** on the control box in the cab provides excellent flow rate control

A **reliable small engine** (10 HP Briggs & Stratton four-stroke engine) drives a **powerful side channel blower** (180  $\text{m}^3/\text{hour}$  capacity running at 3100 RPM).

#### COMPACT AND LIGHT WEIGHT

The compact size and low weight of the AU9000 cold fogger enables installation on smaller vehicles, reducing overall. operational cost and fuel consumption.

Weight: 140 kg (tanks empty). Dimensions: Length 880 mm, width 850 mm and height 700 mm excluding spray heads.

#### ROBUST AND SAFE CONSTRUCTION

Solid construction ensures reliable operation in difficult field conditions

All pipework and components in contact with insecticide are manufactured from **chemical resistant materials**.

**Safety interlock** for liquid flow

An **air pressure sensor** stops the insecticide pump in the event of the engine stopping or failure of the blower.

#### EASY TO OPERATE AND MAINTAIN

The simple design and construction of mechanical and electrical systems allow easy maintenance without special tools.

A **low energy centrifugal blower** for ease of maintenance and durability in the field.

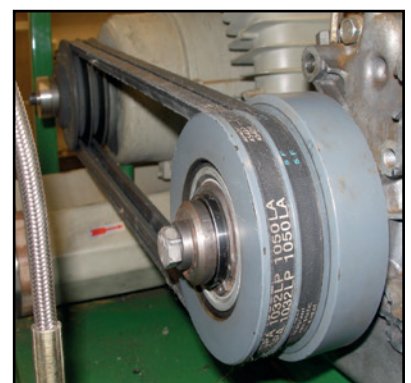
No need of lubrication.

TWIN V belts to drive the blower for maximum reliability and quiet running. Very low noise.

A **centrifugal clutch** to disengage the blower when the engine is running at idle speed and engages automatically when the engine throttle is opened for spraying.

#### REMOTE CONTROL

Supplied with cab mounted remote control, electric engine start, tool kit and installation hardware for maximum operator safety.



# PORTABLE ULV EQUIPMENT

## MANUAL ULV FOGGER LINE

A line of portable ULV foggers powered by 240/220-volt AC power supply. Their powerful and durable electric high-speed AC induction motor (35,000 rpm) and fan create very small droplets, in the 15-30  $\mu\text{m}$  range, using a vertical air-cutting nozzle. The fine droplets remain in the air for an extended period of time and disperse over a large area, propelled by the powerful air outlet on the nozzle.



The U260 features an extendable hose that allows the operator to direct the mist into hard-to-reach areas and obtain greater manoeuvrability. The U240 and U260 Professional Foggers are known primarily for:

### U240/U260 Advantages:

- Quality of materials – housing made of flame-retardant polymers.
- Resistance to acids.
- High manoeuvrability – Provided with a 5-metre range cable.
- Convenience of transport and use thanks to the straps included.
- Easy to fill and clean mixing tank.
- Fine droplet size of 15-30 microns, achieving Ultra-Low Volume applications. This allows for a long range and uniform mist distance (12 m).

**AIROSTAR:** In addition to the advantages of the U260 model, we add the autonomy achieved with its exclusive Lithium-Ion battery, which allows users to work in hard-to-reach places. Replacement batteries available.

## MICROFOG THERMAL FOGGER RANGE



The Microfog range of portable thermal foggers are used for routine adult mosquito and fly control using kerosene as a carrier oil to disperse insecticides as a dense fog (drop size range 5-10 $\mu\text{m}$  VMD) that is dispersed by air currents to penetrate trees, vegetation, buildings and open spaces. The Microfog thermal foggers are available in four models with standard 35 and short length 9 models for use in confined areas.

The Microfog range is compliant with the latest WHO specifications and offered with both HDPE plastic or stainless steel solution and fuel tanks.

- Fully compliant with international standards for vector control equipment.
- Easy start ignition system.
- New intake design and spark ignition system eliminates fuel overflow.
- Accurate droplet size control.
- Unique injection system minimises exposure to hot gasses.
- Reversible fog tube for oil or water-based formulations.
- Automatic emergency solution cut off valve.

## MICRONAIR AU8000 ULV MOTORISED MIST BLOWER



The Micron AU8000 rotary atomiser unit converts a standard motorised mist blower into a ULV sprayer for application of residual products such as larvicides or insecticides to control mosquito and fly larvae in landfill sites, tyre dumps, drainage ditches and canals as well as wide area applications to standing water surfaces where mosquitoes breed. Sprayers can disperse as little as 0.5 l/ha of spray mix over a distance up to 50m with a prevailing wind with precisely controlled droplet sizes to deposit efficiently on the target surfaces.

The Micron AU8000 sprayer is a highly efficient knapsack mistblower which brings the advantages of rotary atomiser technology originally developed for agricultural aircraft to ground spraying applications.

The sprayer consists of a powerful mistblower fitted with a rotary atomiser to ensure efficient spray atomisation and good control over droplet size. This gives excellent coverage and penetration at Low Volume (LV) and Ultra Low Volume (ULV) application rates.

The strong air-blast combined with good control over droplet size make the Micron AU8000 knapsack mistblower ideal for situations where good throw, coverage and penetration are essential.



# INDOOR RESIDUAL SPRAYERS

Professional Spraying Equipment for Indoor Residual Spraying and Larviciding.  
Malaria, Dengue, Zika, Chagas, Chikungunya, Leishmaniasis, Yellow Fever, Lymphatic Filariasis.



## IK VECTOR CONTROL 10, 8 & 7.5

First non-metallic compression sprayer certified to the latest WHO requirements for Vector Control equipment and specially designed for Indoor Residual Spraying and Larviciding. It is equipped with lots of innovative and unique technical features that offers the following benefits:

### Efficient:

Constant liquid volume and insecticide dosage during the whole application. Equipped with a Control Flow Valve (1.50 bar / 22psi).

### Light and Comfortable:

Light pump (aprox. 3kg). Possible to carry on the back.

### Environmental and Health:

Reduced operator exposure. to insecticide (droplet size higher than 200 microns). No leakages. Equipped with a safety valve.

### Easy to use and Maintain:

Very simple and easy to use, clean and maintain. Service Kit and all parts easily available.

### Robust and Unique:

WHOPES 2010 fully compliance (certified by WHO collaborative center) Unique features, especially designed to improve Indoor Residual Spraying and Larviciding. Fully equipped with VITON O-rings. Pressure, Corrosion and UV resistant. Filling filter. Nozzle protector. Tranlucent tank for easy volumen Reading. Footrest integrated in the tank. Complete lid with spare filter, even fan nozzles and larviciding nozzles.



## MICRON CS10 & CS14



Manufactured from high quality stainless steel and brass, Micron CS10 and CS14 compression sprayers have been specifically designed for use by professional operators for indoor residual spraying (IRS).

- Stainless steel tank, pump cylinder, handle, lance and trigger valve body.
- Pressure gauge (0 – 7 bar) with maximum operating pressure indicator.
- Pressure relief valve set to 4.5 bar.
- Chemical resistant Viton™ and specialist fluoroelastomer seals.
- Large filling aperture with stainless steel lid and twist lock with tension adjustment.
- WHOPES 2018 Fully Compliant (Certified by WHO collaborating center).

# SPRAYERS FOR PEST CONTROL & DISINFECTION

A range of professional pressure and knapsack sprayers suitable for pest control, disinfection and mosquito control applications offering the highest standards of quality and performance.

## IK METAL & IK INOX/SST 6,10 L.



Sprayers manufactured from chemical resistant materials for use with the most aggressive pest control products. Can be similarly used with hydrocarbon based solvents, lubricants and petroleum derivatives. Not suitable for acids.

- Maximum Operating Working Pressure 6 Bar.
- Greater range and possibility of spraying denser liquids.
- Option of spraying hot liquids.
- Superior resistance as regards solvents and petroleum derivatives.
- Seals and materials resistant to mineral and vegetable oils, curing agents and neutral cleaners.
- Parking for easy use lance and serves as a handhold or holding bar when emptying the tank.
- **Construction** (concrete release agents, waterproofing agents, curing agents etc.).
- **Professional cleaning** (sanitary areas, graffiti, floors).
- **Pest control.**
- **Wood treatment.**

## IK MULTI PRO 9 and 12



A range of sprayers with highest performance, safety and ease of use. Designed for professional use with the most aggressive chemicals and suitable for applications in pest control and public health applications.

- Stainless steel trigger valve with safety lock.
- Location for product identification card.
- Easy use parking lance.
- Large footprint for stability.
- System for attaching compressed air supply for pressurisation of tank.
- Twist lock carrying handle.
- Safety valve set at 3 bar / 43.5 psi with depressurisation option. Avoid contact with gases.
- Translucent tank with graduations.
- Shoulder harness incorporates carrying handle.

## IK MULTI 12 BS



IK12 BS is a professional sprayer used for public health, disinfection, larviciding and indoor residual spraying. It is one of the most popular sprayer for disinfection and control against virus transmitted diseases including Ebola and Cholera.

- All plastic parts and seals chemically resistant to pest control products.
- Translucent tank with graduations.
- Easy tool free disassembly for cleaning and maintenance.
- Carrying handle with shoulder straps.
- Locking trigger valve.
- Tank lid with splash proof air vent.
- Large opening with filter for easy filling and cleaning.

## IK MULTI 1,5



- All plastic parts and washers resistant to most pest control products.
- 2.5 bar/ 36 psi safety valve with depressurisation option.
- Large opening for easy filling and cleaning.
- Heavy-duty translucent tank with graduations.
- Useful capacity: 1 liter / 0.26 USG.

## IK MULTI TR 1



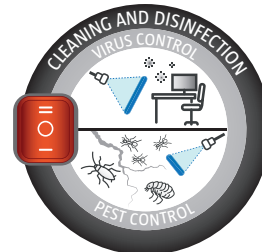
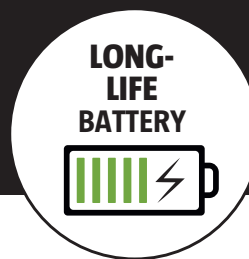
- Resistant to most aggressive chemicals and pest control products.
- 1L translucent tank with graduations.
- Location for product identification card.
- Large base for greater stability.

# BATTERY Sprayer IK e 15 BS



15 litre / 4 US Gal Electric Knapsack sprayer with long-life lithium battery. Robust, reliable, safe and comfortable to wear. Ideal for cleaning and disinfection treatments, as well as virus, epidemic and pest control.

- Long-life 18v Lithium battery – 21 tank refills. ((180-315 litres) / (47-83 gal (US)))
- High-quality transportable kit with 4 special nozzles to optimize the efficiency of treatments in different working areas (indoors and outdoors).
- Two-position electronic control for homogeneous spraying:
  - Position 1: Pest control.
  - Position 2: Cleaning and Disinfection.
- Stainless steel lance.
- Stainless steel handle.
- Translucent tank with level indicator.
- Wide filling mouth.
- Grip for the lance.
- Padded and adjustable straps with front closure.



**LTC** ONTROL

## DUSTERS

### PRESSURE SPRAY DUSTER



A good quality dust sprayer which provides a good steady flow of dust minimising the risk of blockages. 3 litres bottle with strap makes it ideal for use up ladders and in small loft spaces.

- Working capacity: 3 Litres.
- Hose: 1.2 metres.
- Trigger release valve – best quality plastic.
- 20 cm dust lance.
- Pressure release valve.

#### Accessories for this model:

1 and 1.5 Metre Extension Lances for high positions such as wasp and bees nests.



### POLMAX DUSTER

A 9-litre back duster with a wide range of uses: from ant products to sulphur-based fungicides. It stands out as light with a large filling mouth and hermetic seal. High output. Powder doser. Output by flexible pipe and directional diffuser.



#### Extras

- One rigid tube.
- Working capacity: 9 l.
- Total capacity litres: 9 l.
- Carrying straps: Yes.
- Back carrying: Yes

### POLMINOR DUSTER

A 2-litre manual duster (double load) with a large filling mouth and adjustable outlet pipe. Great stability and seating for loading. "Simple effect" air pump system.

- Working capacity: 2 l.
- Total capacity litres: 2 l.



### BAZOKA MINIDUSTER

- A manual duster of 750 cc with an adjustable outlet pipe.
- Effective doser-applicator.
- Easy to handle.
- Working capacity: 750 cc.
- Total capacity litres: 750 cc



# HAND PUFFERS AND FLEXI PRO AEROSOL DELIVERY SYSTEM

## HAND PUFFERS

The latest in professional dusting innovations using patented Airofog technology for termites and vermin control applications.

There are 3 configurations available BASIC / STANDARD / PRO.

Transparent screw-on detachable vials help monitoring on the dust usage rate. 125ml vial allows for filling up to 90ml (3 oz) of dust and Ø32mm opening makes it easy for refilling.

The 50cm (20 inch) extension can treat hard-to-reach places.

Holster, with various compartments for tips and extensions, enhances professional image as a specialist.

Each squeeze produces a dosage of approximately 0.01-0.015g duster, which is measured with diatomite.



**BASIC** - for ready to use with 30ml vial of dust eg. Termidot Dust



**STANDARD** - with 125ml vial and carrying holster



**PRO** - reach further corner with 50cm (20 inch) tube extension

## FLEXY PRO AEROSOL DELIVERY SYSTEM

Being able to adapt to all hand-held Aerosol cans, FADS come with a unique “wand-like” trigger component which allows for greater reach and versatility. In addition, the trigger comes complete with a 15cm-long spiral flexible wand that covers all possible angles of application. If this is not enough, you have 3 further options in nozzle sizes, allowing you to choose between fine, medium or coarse sprays. The ergonomic design also provides the operator comfort during application.

A 25cm/10” pouch comes as a standard accessory; this ensures that the brand of Aerosol remains discreet, whilst professionalism shines through.





# MINISPRAY AND PRECISION PISTOL GEL APPLICATOR

## PCO MINISPRAY

- High-grade, corrosion resistance stainless steel bottle, excellent professional image.
- A heavy-duty pressure gauge with scratch proof glass dial allows accurate monitoring and control of the spray operation.
- Pressure release valve ensures safety.
- High efficient pump design makes pumping to 10 bar easy.
- Ergonomically designed handle for comfort.
- Custom tailored carrying pouch with heavy- duty fabric, which can be clipped to your belt, greatly enhancing flexibility and overall effectiveness of application.

	Mini-Spray Aerosol (MSA)	Mini-Spray Plus (MSP)
Bottle	stainless steel AISI 304, 800 ml	
Working Capacity	500 ml	
Max. Working Pressure	8 bar	
Pump Cylinder	stainless steel AISI 304, with Viton™ check-valve	
Spray Hose	heavy-duty coiled	
Pressure Gauge	0-10 bar, 0-150 psi	
Pressure Release Valve	supplied as standard	
Discharge Valve	brass, wand-like trigger with Flexi-pro aerosol delivery system (FADS)	brass, drip-free trigger valve with multi-nozzle and C&C straw
Carry Pouch	supplied as standard	
Total Height (bottle with handle)	34 cm	
Net Weight	0.9 kg	1.2 kg

\*Specifications are subject to change without notice or liability.



## PRECISION 'PISTOL STYLE' GEL APPLICATOR

Airofog gel applicator is a professional and highly efficient tool for the control of crawling insects such as ants and cockroaches. Unlike other applicators, it sucks gel from the front end of the bait tube by use of negative pressure in order to get out every last drop of gel more precisely, and with a high level of control.

- As a pistol, a 5-position dosing wheel fitted inside the grip, along with a selection of different tips, make this applicator perform outstandingly.
- Optional extension allows for the treating of very small, hard-to-reach areas, such as deep corners.
- It matches up with 30-35g industry standard gel tubes.
- Two calibrations are supplied, which are differentiated by red and black color.



# PCO UNIQUE SPRAY COMPRESSION SPRAYER

## PCO UNIQUE SPRAY

Perfect for high-demand service by producing very fine sprays or aerosols and C&C stream sprays.

	US Lance (USL)	US Plus (USP)	US Aerosol (USA)
Tank	stainless steel AISI 304, 1.33 litre		
Working Capacity	1 litre		
Max. Working Pressure	8 bar		
Pump Cylinder	stainless steel AISI 304, with Viton		
Spray Hose	heavy-duty coiled		
Pressure Release Valve	supplied as standard		
Pressure Gauge	0-10 bar, 0-150 psi		
Discharge Valve	brass, drip-free trigger valve with 9" lance with multi-nozzle and C&C straw	brass, drip-free trigger valve with multi-nozzle and C&C straw	brass, wand-like trigger with Flexi-pro aerosol delivery system (FADS)
Net Weight	1.6 kg	1.5 kg	1.3 kg
Total Height	29.5 cm		



\*Specifications are subject to change without notice or liability.

## COMPRESSION SPRAYER PCO SERIES 5L/4L/2L

Airofog PCO sprayers are designed for the professional pest control operator to deliver outstanding performance. The sprayers are finished to a very high standard suited for a professional image. All wetted parts are made of chemical resistant materials such as Viton™, Teflon™, high grade stainless steel, brass, and other engineered materials. A cable-operated **DRIP-FREE** nozzle shut off actuated by the trigger valve provides maximum operator safety and environmental security. The trigger valve can also be simply locked on or off for added safety. Choose Airofog PCO series sprayers among 5L-4L-2L

	2 Litre	4 Litre	5 Litre
Working Capacity	2 L, 0.5 US gal	4 L, 1 US gal	5 L, 1.3 US gal
Tank Volume	3 L, 0.8 US gal	5 L, 1.32 US gal	6.85 L, 1.8 US gal
Tank Material	stainless steel AISI 304		
Trigger Valve	brass; DFC: drip-tree type; HD:heavy-duty type		
Spray Lance	AISI 304: DFC:9" or 18", 23 or 45.8 cm: HD:50 cm		
Nozzle	DFC/HD:4-way multi-nozzle or even flat fan nozzle 8002E; HD:adjustable cone nozzle		
Carrying Strap	single shoulder strap	double shoulder strap	
Service Kit	supplied as standard: pump kit. trigger valve kit. seal/gasket kit		



\*Specifications are subject to change without notice or liability.

Micron Sprayers Ltd, now part of Goizper Group, are the world's leading authority on ULV (Ultra Low Volume) application for both aerial and ground mosquito control. Pioneers of ULV spraying using rotary atomisers for precision droplet size control, the company have been manufacturing specialist application equipment for over 60 years for use by government health departments, municipalities, international organisations including NGOs, industry and private partners engaged in health delivery and mosquito abatement. The company offers unrivalled expertise in large scale aerial and ground mosquito control operations for both emergency and endemic vector borne disease campaigns and its products are used worldwide in many control campaigns.

The Goizper Spraying Division is one the worlds leading manufacturers of portable spraying equipment for agriculture, public health, construction , food, automotive and other industries with leading international brands including Matabi, Osatu, Inter and IK range.

The IK vector control range are specifically designed for the professional mosquito control operator and the company already supplies leading international institutions, government health departments with spray application tools for malaria, dengue, leishmaniasis and other vector borne diseases. Clients include the World Health Organisation , UNICEF, Save the Children, UN FAO, Mentor Initiative, USAID, Pan American Health Organisation (PAHO), CDC and others engaged in health care delivery in some of the world's most challenging environments.

The combined expertise within the Goizper Group provides a unique service for mosquito control organisations and implementers anywhere in the world with regional offices located in Europe, USA, South and Central America, Far East and Africa capable of providing the following:

- TRAINING & SUPPORT
- SPARE PARTS & ACCESSORIES AVAILABLE
- GLOBAL SERVICE
- QUALITY CERTIFIED & WARRANTY







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