

# Micromax

A rotary atomiser for vehicle mounted spraying



Incorporating CDA (Controlled Droplet Application) technology, Micromax offers a faster and more cost-effective method of vehicle-mounted spraying.

- Highly versatile and compatible with both oil and water-based solutions
- Economical spray usage
- High work rate
- Three disc rotation speeds to suit different applications
- Reduced risk of spray drift

## Advanced vehicle-mounted spraying for blanket applications

Designed for vehicle-mounted blanket applications, Micromax 3S is a three speed spinning disc rotary atomiser designed for the Controlled Droplet Application (CDA) of sprays. By efficiently producing only the spray droplet sizes appropriate for the particular application, Micromax 3S atomisers significantly reduce spray volumes and costs and minimise the risk of environmental contamination.

The unique design of the electrically driven Micromax 3S ensures controlled spray atomisation over a wide range of liquid feed rates.

### A choice of disc speeds

**Low Speed.** 200 to 500 micron spray droplets for pre-emergent and post-emergent herbicide applications where drift avoidance is essential.

**Intermediate Speed.** 100 to 200 micron spray droplets for most post-emergent herbicides, defoliant, foliar feeds and fungicides to ensure good coverage of plant surfaces while minimising any risk of uncontrolled spray drift.

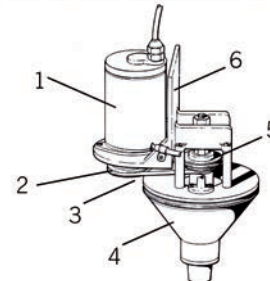
**High Speed.** 75 to 150 micron spray droplets for insecticides and fungicides.

The low application volumes allowed by Micromax mean larger areas can be sprayed per tank load and lighter vehicles and ATVs can be used, offering impressive savings in terms of cost, time and effort. This both speeds up the spraying process and allows more spraying days, thus enabling quick and cost-effective pesticide application to be undertaken when needed.

The Micromax 3S is driven by a 12V electric motor and can be powered by the vehicle's electrical system. Standard plumbing can be used. The atomisers have a chair-shaped mounting bracket for attachment to the spray boom, and a pulley mounting system which can be hand-adjusted to give one of the three desired disc rotational speeds.

#### Micromax 3S

1. Motor
2. Motor Pulley
3. Drive Belt
4. Atomiser Disc
5. Atomiser Pulley
6. Mounting Bracket



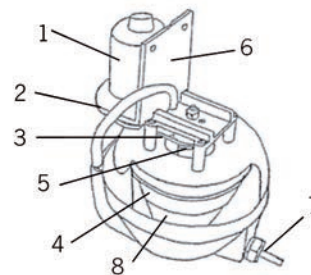
#### Micromax 120 for band spraying

Atomisers are also available in a segmental Micromax 120 version which produces a flat fan shaped spray pattern, making it ideal for band spraying under trees and orchards and vineyards. The width can be varied to suit different applications.

Micromax 120 features an internal venturi system which recirculates unsprayed liquid. A choice of three rotational speeds allow close droplet size and range control.

#### Micromax 120

1. Motor
2. Motor Pulley
3. Drive Belt
4. Atomiser Disc
5. Atomiser Pulley
6. Mounting Bracket
7. Venturi Nozzle
8. Segmental Spray



### Specification

	Low Speed (3S & 120)	Intermediate Speed (3S)	High Speed (3S)
<b>Weight:</b>	1kg	1kg	1kg
<b>Power supply (vehicle battery):</b>	12V DC	12V DC	12V DC
<b>Maximum power consumption:</b>	12 Watts	12 Watts	12 Watts
<b>Disc speed:</b>	2000 rpm	3500 rpm	5000 rpm
<b>Liquid feed rate:</b>	500-3000 ml/min	250-1000 ml/min	125-500 ml/min
<b>Spray droplet size:</b>	200-500 $\mu$ m	100-200 $\mu$ m	75-150 $\mu$ m
<b>Application volume:</b>	30-200 l/ha	20-80 l/ha	10-40 l/ha
<b>Possible applications:</b>	Weed control	Weed control, fungi	Insects on surfaces, fungi



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