

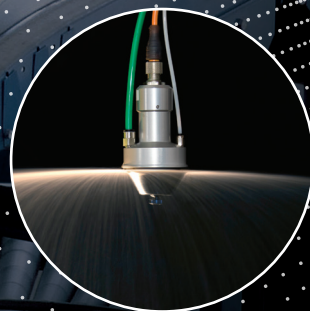
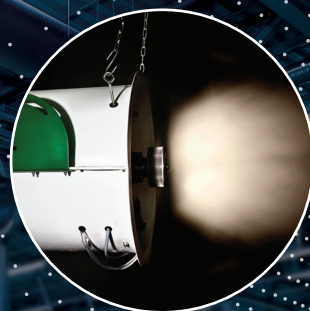
Industrial Atomisers

Rotary atomisers for efficient spray applications

***Precise droplet control
Low energy consumption
Long life, low maintenance***

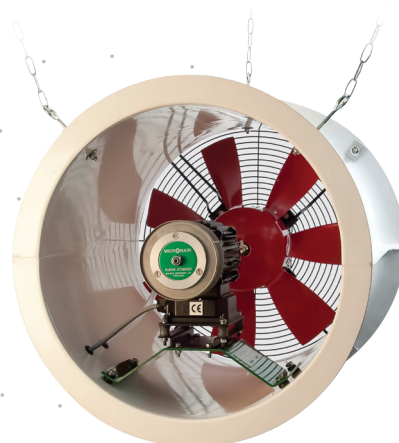
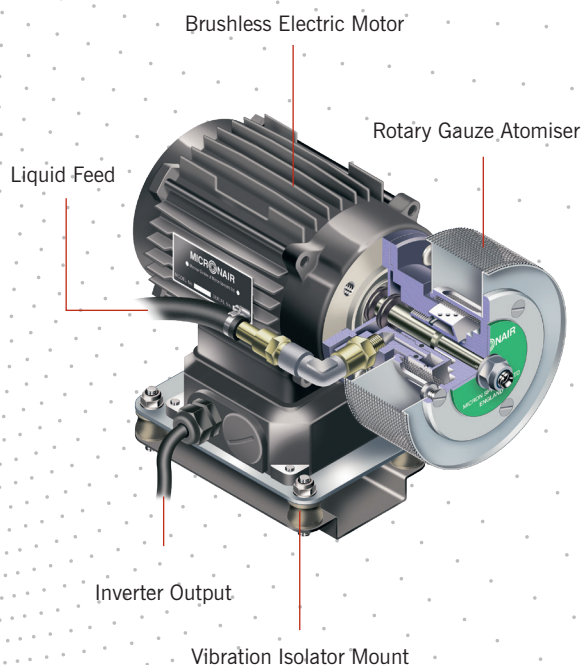
Solutions for:

- Odour control
- Dust suppression
- Humidification
- Adiabatic cooling
- Process coating
- Postharvest application
- Disinfection



Micronair Direct Drive Atomiser

Air Circulation Fan Option



Specification

Micronair Direct Drive Atomiser Assembly

Dimensions (mm):	215 L x 110 W x 150 H
Weight:	3.8 kg
Power input to inverter:	220-240 V AC single phase 300 W max.
Liquid flow rate:	0.02 – 1.0 l/min (Low-flow option) 0.50 – 3.0 l/min (High-flow option)
Atomiser rotational speed:	2,000-11,500 rpm
Droplet size:	40 – 70 μ m VMD
Span of droplet size spectrum:	1.1 @ 11,000 rpm, 1 l/min water
Noise level:	78 dB (A) @ 3 m
Max ambient temperature:	50 degrees C

Atomiser in Cowl with Air Circulation Fan

Atomiser:	See specification above
Dimensions (mm):	545 L x 540 diameter
Weight:	14.5 kg
Mounting:	By 3 chains from hooks on top of cowl (side plates supplied for alternative mounting of cowl on fixed brackets)
Volume of air output:	3000 m ³ /hour
Velocity of air output:	9 m/sec
Noise level (atomiser & fan):	79 dB (A) @ 3 m
Max ambient temperature:	50 degrees C.

The Micronair direct drive industrial atomiser is an advanced spray generator, delivering very fine mists for humidification, cooling, disinfection, odour and dust control at very low power without risk of blockage or damp patches.

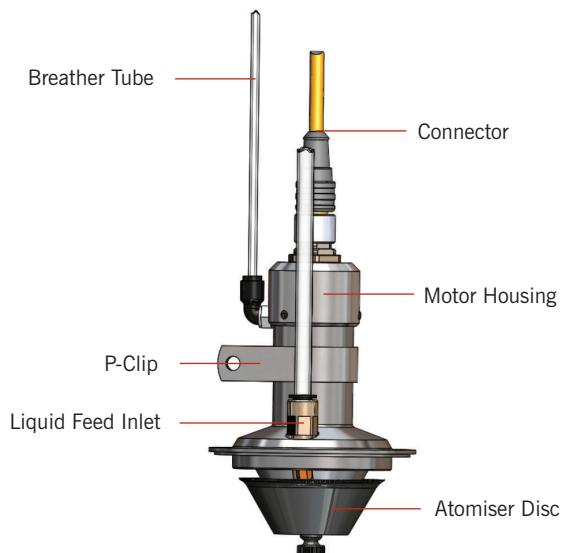
The atomiser's rotating gauze cylinder produces a precisely controlled spray reducing wastage by eliminating both under- and over- sized droplets.

The Micronair direct drive atomiser is provided with an inverter to regulate atomiser RPM at high speeds in order to deliver consistent, superior results.

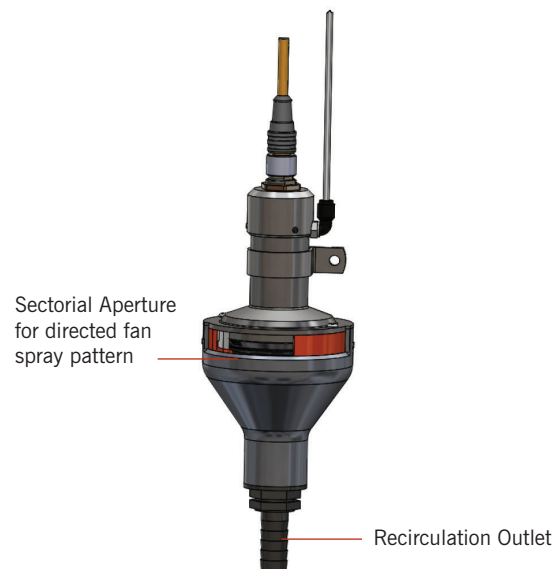
Rotary atomisers do not require use of small orifices with high-pressure or compressed air making installation and maintenance simple. Its brushless motor ensures long and maintenance free operation.

An air circulation fan and cowl to provide efficient dispersal of the spray is also available.

Micromiser



Sectorial Option



Speci cation

Micromiser (5 and 10 models)

Dimensions (mm):	105 L (including disc but excluding connector) x 58 diameter (max) (32 diameter motor housing)
Weight:	0.24 kg
Input voltage:	6 – 24 V DC
Electrical Connection:	4 pin M12 sealed connector (A-coding)
Power consumption:	1 – 10 W (dependent on disc speed and liquid flow rate)
Liquid ow rate:	0 – 0.3 l/ min
Atomiser Rotational Speed:	1500 – 6000 RPM (5) 3000 – 12,000 RPM (10)
Droplet size:	100 – 400 μ m VMD (5) 50 – 180 μ m VMD (10) (dependant on disc speed and liquid properties)
Ambient Temperature:	-10°C – +40°C nominal (minimum temperature must not be below freezing point of liquid being sprayed)
Mounting:	P-clip

Micromiser Controller

Dimensions (mm):	105 L x 50 W x 75 H
Weight:	0.22 kg
Input voltage:	85 – 265 V 47 – 440 Hz AC 120 – 370 V DC
Power connections	Screw terminals
Mounting:	DIN 46 227 rail or by two 4 mm mounting holes in base

The Micromiser is a small compact rotary atomiser designed for use in a variety of industrial applications with very low power requirements and capable of very precise droplet size control.

The rotating disc of the atomiser produces precise spray droplet sizes that can be selected in the range 50 to 400 μ m via electronic speed control.

It can effectively operate at flow rates of up to 18 litres per hour with a maximum power requirement of only 10W so is suitable for outdoor DC power supply units as well as indoor applications.

The Micromiser's brushless motor technology allows for continuous operation. It is light weight (0.24kg) small in size and simple to mount making it perfectly suited for a variety of fixed and mobile installations.

A sectorial version is also available for applications requiring a directed spray band.



Efficient and High-Quality Operation

Why Rotary Atomisation?

Rotary atomisation offers savings in energy and installation costs over traditional systems with very low power consumption (less than 1.5 W/ l of atomised liquid).

Different applications require different droplet sizes. Micron technology allows for precise control over droplet size, allowing selection from very small droplets around 40µm to larger droplets of up to 400µm by adjusting atomiser RPM.

A wide range of flow rates are possible while maintaining the benefits of a tightly controlled droplet size.

Easy Setup and Maintenance

Standard plumbing connections and simple mounting options mean the Micron industrial range can be easily installed by competent contractors.

Also, as no small orifices are required, the nozzle wear associated with high pressure systems is avoided, drastically reducing maintenance requirements with simple installations and fewer blockages.

Taking advantage of the latest brushless motor technology, Micron's atomisers are suitable for continuous operation over long periods.

Areas of Application:

The Micron industrial range provides benefits for a variety of applications, including:

- Odour control
- Dust suppression
- Humidification
- Adiabatic cooling
- Process coating
- Postharvest application
- Disinfection

Precise control of spray droplet size allows for minimal spray volumes minimising water and/or product use.