

Rotary Atomiser

Technical Information Sheet - Rotary Atomiser

Rotary Atomiser Description

The Probe Atomiser device uses a rotating metal gauze cylinder to create droplets of uniformed size (monodispersed).

The Atomiser works by injecting water into the cylinder head spinning at 12,000 rpm, dividing the liquid into an incredible 238 billion droplets per litre.

Independent Research on the Probe Atomiser conducted by Northumbria University has shown that the droplets created by the Probe Atomiser combine most effectively with odour molecules and dust particles in the atmosphere.



Main Advantages

The pattern and droplets formed by the Probe Atomiser result in a dramatic increase in efficiency for all spraying methods, creating the perfect droplet size, thereby reducing wasted liquid as is produced by conventional nozzle systems.

Large droplets waste water because they do not adhere to particulates in the air and fall to the ground too early. On the other hand droplets too fine can drift away from the target area and evaporate too quickly. The ideal is a consistent spray pattern, with uniform droplet size.

The Probe Atomiser comes with a flow meter as standard, which allows a variable flow rate of liquid into the cylinder head. The flow rates can be regulated from 1 litre an hour up to 180 litres an hour, easily and quickly.

Maintenance problems eliminated

The Probe Atomiser has overwhelming advantages compared to conventional nozzle systems, which tend to become blocked and deformed with use. Conventional nozzles have to be replaced, regularly maintained (filter changes etc) and of course do not allow a variable flow rate.

The Probe Rotary Atomiser

- Never blocks - no need for filters
- Uses less water than nozzle systems
- Needs little or no maintenance
- Greater coverage
- Portable
- Quickly installed

Uniformed droplets reducing the risks from Legionella

