



“The most  
comprehensively  
tested domestic  
watermist system  
in the UK”

Automist is the most comprehensively tested domestic watermist system in the UK. We are the only UK watermist company to have an LABC Registered Detail (EW534) and a BSi Verification Certificate (VC 656504) for Smartscan — two independent assessments of our fire and product performance against BS 8458:2015.

**Automist Smartscan Hydra is ideal where traditional sprinklers are impractical due to limited water supply.**

Aware of a growing desire to demonstrate proof to the fire industry that Automist is both sufficient and ideal for the task at hand, our system’s technology has been pushed to the limit. This includes testing it on difficult fires including: those originating directly under the nozzle, chip pan fires or those hidden by obstructions. Additionally, testing fires that originate in a variety of free, and forced, draught conditions.

Time and time again, these tests have demonstrated the value and quality of our product in even the most extreme cases. We’ve even ventured across the pond to test its worth against the UL 2167 listing process, where it has been received favourably among insurers and fire risk authorities.

Third Party Certification by BRE Global have established that Plumis Ltd. comply with the Quality Management System certification. This enables us to demonstrate our commitment to quality and customer satisfaction, as well as continuously improving our company’s operations. The internationally recognised quality management system standard is the preferred solution for organisations worldwide.



reddot award 2016  
best of the best



Fire Industry Association

**JAMES  
DYSON  
AWARD**



Fire Test Video Footage is available publicly at  
[youtube.com/user/PlumisAutomist](https://www.youtube.com/user/PlumisAutomist)

## How does it work? What makes Automist™ unique?

Sprinklers and watermist systems are traditionally mounted on the ceiling. As a result, the water droplets have to flow (with gravity & momentum down) against the fire & smoke to reach the upward flowing fuel. This also means when the systems activate, the pressure of the water can pull the smoke down, reducing visibility.

A water droplet should ideally evaporate inside the fire plume (instead of in the hot layer above it) to be most effective in cooling and inerting the flames. If a droplet is entrained and flows upwards together with the gases inside the plume, it will evaporate quickly whilst in contact with the hottest part.

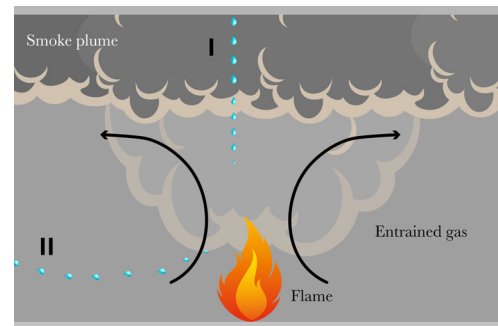


Fig.1 Ceiling mounted mist systems are denoted in I, while Automist's wall-mounted mist system, denoted in II.

## Is Automist Designed Right?

Automist Smartscan is installed solely by annually audited, regularly trained and accredited installers. This is to ensure that high standards are maintained for every installation.

We've automated the verification process for installation design layouts using a custom layout tool to minimize the chance of placement issues. In addition, we provide commissioning verification services to ensure each installation meets the Plumis guidelines. By only allowing head placement in areas where they are less likely to be obstructed and have redundancy, (i.e. covered by an additional head) we encourage design best practices.

In addition, as a company that prides itself on keeping up with technology, we've designed Automist Smartscan to be an interactive product. Customers are encouraged to engage with the product, in addition to registering the product so data can be monitored. By applying these features, customers themselves can be better informed of the value of their fire safety system. To further protect our customers, the details and layout design of each installation are documented and securely logged on the Plumis central database.

## Is Automist Serviced?

We pride ourselves in providing a detailed commissioning process for Automist that is both quick and easy to use. Our comprehensive procedure means the installer can complete the task in as little as ten minutes.

The Smartscan Hydra system is designed to let you know if there is a fault and requires servicing. Unlike traditional sprinklers, homeowners are incentivized to register the product and get reminders to have their system serviced, further encouraging interaction and upkeep.

Smartscan Hydra is the only domestic system that is tested fully from detection to spray head activation. During this procedure, the spray head is fully covered, allowing the water to be collected while the system is being tested and the output pressure monitored. Approvers can, therefore, be confident that Automist Active Test fully replicates the response time to that of the system during an actual fire.

**Visit us at [www.plumis.co.uk](http://www.plumis.co.uk), contact us to learn more about Automist or phone +44 (0)20 7871 3899 or email us at [info@plumis.com](mailto:info@plumis.com)**



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