



FIREWORKS' SUSTAINABLE WATER MIST FIRE PROTECTION FOR OFFICES

Fast, sustainable, compact systems with award-winning teams.

Water mist fire protection is gaining increasing recognition among fire industry experts for its efficiency, sustainability and design advantages over traditional fire systems. Fireworks Fire Protection has been designing, installing and maintaining water mist fire protection solutions throughout the UK for over 30 years, with its award-winning in-house teams.

Fire protection to support BREEAM RATINGS FOR OFFICES

The British Council for Offices now advises that all new office buildings should aim for BREEAM (Building Research Establishment Environmental Assessment Methodology) rating of Excellent or Outstanding and that refurbishment projects should target BREEAM Very Good or Higher.

HVAC systems and fire protection are major contributors to the carbon footprint of the construction industry. The emissions produced by fire protection, during installation and throughout the complete operation and lifetime of the system, can be reduced using water mist. This is shown in analyst Multiconsult's 2024 report on Greenhouse Gas

Assessment of Extinguishing Systems, where the emissions of different fire systems are compared when applied to the same office project.

Fireworks' water mist solutions actively support sustainable goals. Water mist fire protection uses much less water than traditional sprinklers. This also minimises water run-off and potential pollution after activation during a fire.

Water mist systems require significantly less raw materials than sprinklers. The smaller pumps, water tanks, pipes and components also reduce transportation emissions. With Fireworks' solutions, no chemicals are used and there are no cylinders to be refilled.

Major design advantages due to low water use

Fireworks' water mist systems are designed around the efficient use of water. Using only small amounts of water under pressure, water mist acts fast to suppress fire and heat. These low water requirements bring major design advantages.

Smaller water tanks and pumps free up significant space. Water mist systems can be scaled or adapted to evolving building needs, including building extensions.

For heritage buildings, water mist brings aesthetic advantages. Small diameter pipes used can be formed to fit around heritage room dimensions and cornices, while water mist nozzles can be camouflaged in colours to blend into the background.

About Fireworks Fire Protection

Fireworks Fire Protection is an ISO14001-certified company which provides a range of water mist services, from design and installation, to commissioning and maintenance. Experts in BIM-integrated building management and design software, Fireworks' in-house teams of designers and engineers collaborate closely with clients to design and install the best fire protection solution for the project requirements and budget. After-sales support services include training, scheduled maintenance and 24/7/365 emergency call out, with experienced maintenance teams located throughout the UK. ■

For more information visit

www.fireworks-ltd.com

Contact enquiries@fireworks-ltd.com to discuss your projects and to receive a digital booklet on Water Mist Fire Protection for Offices & Multipurpose Buildings.