



Fire Protection On Land

Save Lives
Reduce Damage



High pressure
water fog sprinkler
systems for fighting fires



www.ultrafog.com

Delivering fire protection solutions for industry, buildings, occupants and property

Ultra Fog fire Extinguishing System | Reliable and efficient | Environmentally friendly and safe



Protecting a building, its occupants and contents from fire is paramount

Ultra Fog specialises in delivering high pressure water fog sprinkler systems for fire protection across a wide range of buildings and industry.

The **Ultra Fog** system was originally designed and developed for marine use, where the demands for effective fire extinction are extremely high. When installed for use on land, it achieves a highly reliable and efficient fire extinction system which works well in sensitive and valuable environments. The Ultra Fog system can be connected to various forms of surveillance for early fire detection and immediate activation. Together, fast response with low water consumption saves valuable buildings, occupants and property.

The Ultra Fog pump station delivers plain water to the nozzles with a system pressure between 60 to 140 bar.

Ultra Fog Nozzles

We have a unique range of fog nozzles developed for a variety of applications.

A simple design with few components in the nozzle ensures high operational reliability and minimises energy loss which means that the energy can be maximised in the nozzle to create water fog. With ceiling and wall mounted versions of the nozzles available, installation is easy.

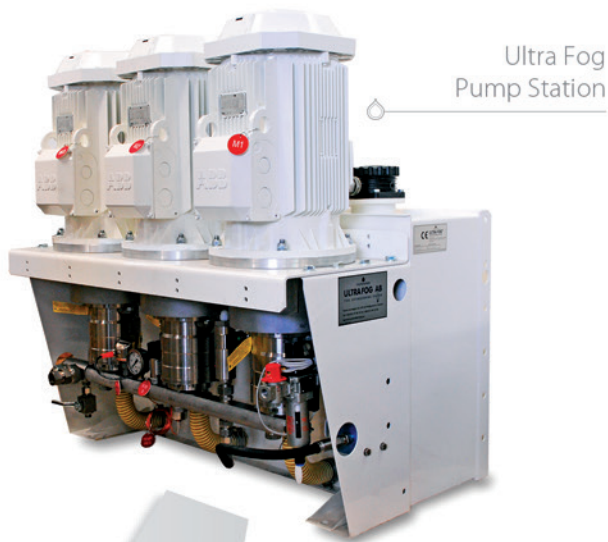
Facts

- Droplet size: from 10 microns up to 200 microns
- Water consumption: 85-90% less compared to a conventional system
- 1,700 litres of water vapour will be produced for each litre of water
- Coverage up to 48m² from each **Ultra Fog** sprinkler Nozzles



High pressure water fog sprinkler system for effective fire fighting in:

Commercial Offices | Industrial Buildings | Schools | Historic Buildings | Restaurants | Construction | Care Homes | Hotels | Power Plants



Ultra Fog
Pump Station



One of the most reliable water fog systems on the market

The aim of the fire extinction system is to save lives and property. Therefore it is extremely important that the system works smoothly. Our ambition is to **design, deliver and install** systems and service of the highest possible quality and best possible functionality.



Pump Station P35 - MPU235 - MPU335

- Extremely compact
- Easy to install, access, operate and maintain
- Flow for 100 bar system:
up to 50 litres/min (P35)
up to 100 litres/min (MPU235)
up to 150 litre/min (MPU335)



Why choose Ultra Fog?

- Major cooling effect when the water droplets transform into vapour
- Very high extinguishing effect relative to amount of water. Less damage to equipment and faster restoration
- Fast extinguishing – fast automatic sprinklers with low RTI value or by detectors
- Rarefied oxygen in the fire zone, through water fog
- Over-pressure is produced in the space, which prevents new oxygen from joining fire
- Risk of flashover reduced to zero
- Reduced drain dimensions. The amount of dirty extinguished water will be kept to a minimum
- Environmentally friendly and safe – no toxins
- Extremely lightweight - requires only 10% of the water storage compared to conventional systems
- Small pipe dimensions and aesthetically considerate nozzle allow for a discreet system, resulting in an installation with no hot work required, meaning retrofits are simple
- Custom designed solutions, engineered for cost and efficiency

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Ultra Fog Classification | Testing and Approvals

Our systems are designed according to CEN/TS 14972, NFPA 750 and fire tested according to standards from FM (USA), SP (Sweden), Sintef (Norway). This is in addition to being component tested by UL (USA) and full scale fire tested according to the following standards:

- FM 5560 (turbine and machinery spaces (<math><260\text{m}^3</math> to - FM 5560 (Light hazard occupancies).
- IMO MSC/Circ. 265/84, for protection in public areas such as bedrooms, storage, corridors, restaurants and service areas.
- IMO MSC/Circ. 913, for local application in machinery spaces.
- ISO 15371, for protection of galley cooking equipment (including deep fat fryers).
- CEN/TS 14972 OH1, OH2, OH3, OH4.
- CEN/TS 14972 - Anex B, for warehouse up to 12,5m.
- CEN/TS 14972 - Anex B, for HHP (1 to 4) warehouse.
- SP method 4912 fire suppression system on vehicle (Buses, Coaches, Vans and Cars).
- INSTA 900-3 Nordic residential sprinkler.

Our manufacturing is quality assured according to EC Directive 96/98 EC MED and according to ISO 9001. Certified according to Lloyds. Our test procedures began in 1991 and are constantly being renewed in order to include new fire protection applications, new standards and regulations, and improved nozzle performance.

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Local Ultra Fog Distributor



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