

## 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 different forms of surveillance for early fire detection and immediate activation. Together, fast response with low water consumption saves valuable buildings, occupants and property.

## Cultural heritage



Gunnebo Castle



Gunnebo Castle

Protecting our cultural heritage from fire is a challenge, requiring a delicate balance between protection and the preservation of the original characteristics and historical value of the building or artefact. Ultra Fog's wide experience, flexible designs and sensitivity to the need for high performance fire protection in full respect of our customer's aesthetic and historical priorities, places us in a leading position in this special market.

Ultra Fog's technology uses pure water in minimal quantities to provide effective, rapid fire control and



Munch's house

suppression. From castles, churches to historical house and museums, Ultra Fog's customer orientated solutions, are providing peace of mind across Scandinavia and Europe.

Älgårås: here Ultra Fog, combines watermist - a fine, rapid cooling spray - with fast reacting fire detection to protect the external roof and walls of the church, preserving the wooden exterior even when a fire event is occurring internally. Ultra Fog works hand in hand with building architects and curators, ensuring that the impact of the system installation is minimal and visually sensitive.



Älgårås mediaeval wooden church





## Ultra Fog water mist system:

### Features:

- Fast response to a fire condition
- Use of clean water
- Rapid cooling and expansion of the mist
- Stainless steel components

### Advantages:

- Fast response reduces fire damage
- Low consumption of clean water reduces damage
- Fine water mist reduces the effects of smoke
- Stainless steel reduces the effects of MIC (Microbiologically Influence Corrosion)

### Benefits:

- Reduction of fire damage to the historical structures and contents
- Reduces the damaging effects of water and smoke
- People safe
- Long system life due to Stainless Steel components
- Clean water makes it an environmentally friendly system



Ultra Fog Control Panel



Ultra Fog Electrical cabinet



Ultra Fog Pump Station

## 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 (gas turbine <260m3, >260m3).
- FM 5560 (Light hazard occupied).
- IMO MSC/Circ. 265/84, for protection in public areas such as bedrooms, storage, corridors, restaurants and service areas.
- IMO MSC/Circ. 1165, for total protection in machinery spaces.
- 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 VDS OH1, OH2, OH3, OH4.
- SP method 4912 fire suppression system on vehicle (Buses, Coaches, Vans and Cars).

Our manufacturing is quality assured according to EC Directive 96/98 EC MED and according to ISO 9001.

Certified according to MCA, DNV, Lloyds, ABS, BV, GL and RINA. Our test procedures began in 1992 and are constantly being renewed in order to include new fire protection applications, new standards and regulations, and improved nozzle performance.

