

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.

Hospital



Safety of patients, staff and hospital expensive equipment is a top priority: Ultra Fog's innovative uses minimum quantities pure water to rapidly control, suppress and extinguish fire.

It is therefore safe and can be discharged without the need to evacuate patients and staff beforehand.

The system uses a fraction of the water needed by a conventional sprinkler system which avoids the need to stock expensive and wasteful tanks of water, and which minimises clean up and downtime post fire event. The use of fresh water supply reduces the risk of microbes and other bacteria building up in the pipework (e.g. legionnaire's or other common hospital bacteria), which is an important consideration in a hospital environment.

Tests have proven that Ultra Fog watermist technology will extinguish fire faster and with less damage to equipment and assets than a traditional sprinkler system. Each system is specifically engineered according to customer's requirements. Increased nozzle spacing and small piping dimensions passes a significant installation cost saving to the customer which places Ultra Fog at the top of its class in terms of value for money and lifetime system maintenance.

Nursing home



Every year there are about 400 fires in nursing homes and other health care facilities in Sweden. These cause an average of 5 people death per year and between 40-70 people are injured . Almost all the fires would not have consequences if the accommodation was equipped with a sprinkler system .

The water mist sprinkler system is a proven method when it comes to fighting fires, better than most other sprinkler systems. Ultra Fog is able to offer solutions that can delay and suppress fires at an early stage. This means that people who live in nursing homes, as well as personnel and property can be protected and saved safely.

Thanks to the low space requirement our sprinkler solution is easy to install even in existing buildings. Generally, the residents do not have to move during the time in which the installation is performed , this avoids the inconvenience of having to transfer people and ensuring the tranquility of their living environment.

The risk of false alarms is very limited since the system does not need any fire detectors. In fact every nozzle is provided with an automatic glass bulbe which only breaks if in presence of fire source . The system can also be connected to a SOS alarm , or to existing emergency procedures.



Hospitals and Nursing home

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

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.

