

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.

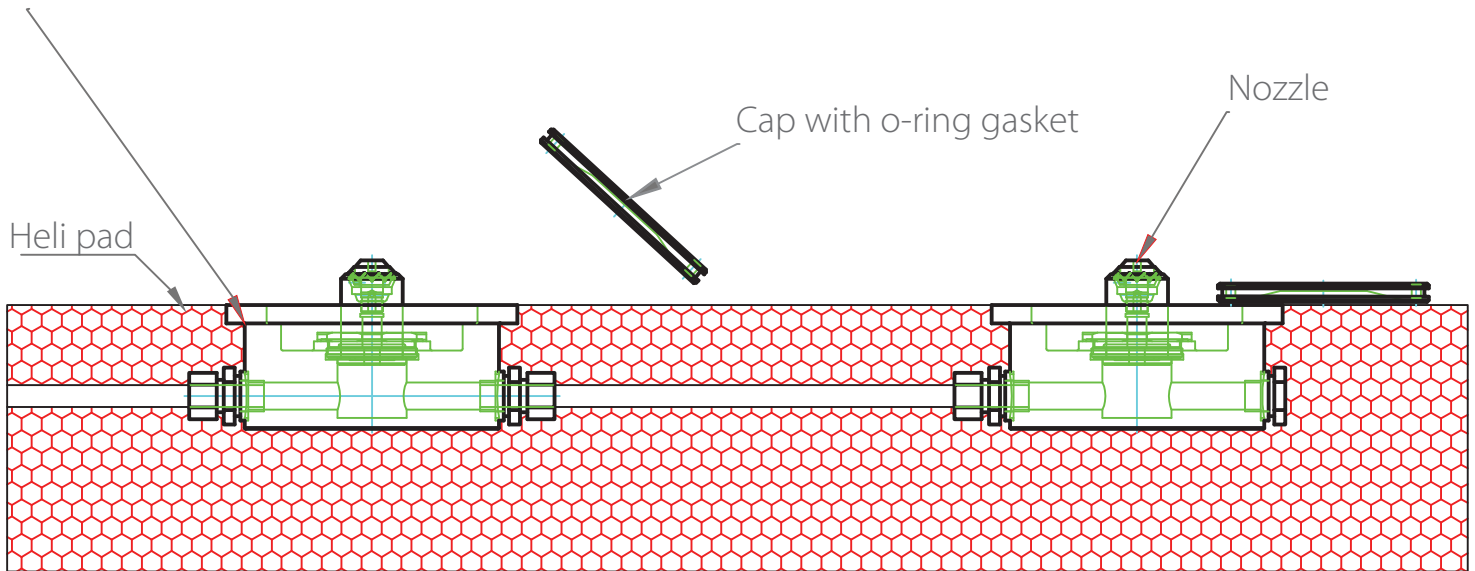
Aircraft Hangars

Ultra Fog has supplied the Fire Protection System for a helicopter hangar for the Swedish Air Force in Linköping. The protection system follows a IMO MSC Circ 1165 with additional pop-up nozzles designed specifically for installation in concrete flooring with the aim of protecting aircraft fuselage from beneath. The system has a zone activation control, where the hangar has been divided in various sections which individually have total coverage from the ceiling and the flooring thanks to the additional pop-up nozzles. These are strategically placed in order not to intrude with the helicopters' designated parking positions.

The system has been set up with nine (9) P-230 high-pressure pumps which supply 1300 L/min at 100 Bar. A separate Diesel fueled generator was included to the system as well as installation and commissioning.



Interface between nozzle & heli pad to be engineered after order placement



Function:

Water pressure will lift up nozzles with great power and the cap will be removed from the body. A triggered nozzle is to be reintegrated by pushing the nozzle and the cap back to their original position.

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.

