



Historical Vessels Protection
Save Lives
Reduce Damage



High-pressure
water mist fire protection



www.ultrafog.com



Delivering fire protection solutions for historical vessels, crew and passengers



Protecting historical vessel, its crew, passengers and cargo from fire is paramount.

The value of historical vessels is priceless. These contribute to the national historical identity of any country. In most cases, timber is the main structural element. Therefore, the risk of a fire is more likely. Conventional and passive fire protection systems only increase this risk.

Ultra Fog specialises in optimised solutions, offering quick release, reliable fire suppression using the safest (non-toxic), most environmentally friendly and readily available extinguishing medium on the market today: water. This highly sophisticated water mist technology uses an extremely reduced quantity of water and a rapid cooling effect, which will control and extinguish fire quickly in areas like machinery spaces, weapons storage, garage, accommodation areas, galleys and fat fryers. international warranties and aftersales support is an integral part of the Ultra Fog scope of supply.

Ultra Fog's enhanced performance system is particularly suited to historical vessels for several key reasons: fire or water damage is reduced to an absolute minimum; the use of water rather than corrosive extinguishants protects the integrity of the historical infrastructure; post-fire downtime is kept to a minimum. Most importantly, the slimline, lightweight piping and aesthetically designed nozzles lend themselves to easy installation (especially when retrofitting older vessels) and minimize the system's visual impact.

Ultra Fog Nozzles

The company provides 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 it minimizes energy loss which means that the energy can be maximised in the nozzle to create water mist. With ceiling and wall-mounted versions of the available nozzles, the installation is easy.



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

Ultra Fog systems are type approved for all areas of the vessel: engine room and machinery spaces, weapons storage, garage, accommodation areas, galleys and fat fryers. International warranties and aftersales support is an integral part of the Ultra Fog scope of supply.

Ultra Fog Classification Testing and Approvals

The Ultra Fog Water Mist System is rated as Class 1 according to the National Fire Protection Association Code (NFPA, USA). Basically it means that Ultra Fog has the smallest average droplet size, which ensures effective fire fighting performance.

- Ultra Fog's Water Mist System has been fire tested by the Swedish Test Laboratory (SP), SINTEF - Norway and Danish Fire Laboratory (DFL) which are fully authorised by IMO, and the Southwest Research Institute (SwRI), United States.
- IMO Res. A.800(19) and IMO Res MSC 265(84) for accommodation areas, stores and service areas.
- IMO MSC/Circ.1165 and MSC/Circ.913, machinery areas, total flooding in pump rooms and local applications.
- IMO MSC.1/Circ.1272 and IMO MSC.1/Circ.1430, protection of RoRo and special category spaces.
- IMO MSC.1/Circ.1268, protection of balconies.
- IMO MSC/Circ.1387, local applications.
- ISO 15371, for protection of galley cooking equipment (including deep fat fryers & galley hood).
- A performance Effectiveness Analysis was carried out by DNV, Norway.
- Component testing by the laboratory of UL, USA.

Since 1990, Ultra Fog has been committed to a continuous programme of product development and fire testing in response to the latest rules, regulations, and standards around the world. Ultra Fog products are 3rd party tested and approved, in accordance with internationally recognised test protocols.

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