

# Military vessels

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

## Protecting a military vessel, its crew, hangar, cargo and weapon areas from fire is paramount

Even in the most critical situations, **Ultra Fog** provides effective, fast reacting fire protection for all types of military applications. **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 watermist technology uses an extremely reduced quantity of water and rapid cooling effect which will control and extinguish fire quickly. **Ultra Fog's** enhanced performance reduces fire or water damage to military equipment and infrastructure, ensuring that operations can be maintained and post-fire downtime is kept to a minimum. **Ultra Fog's** solution for Aircraft Hangars includes innovative embedded, hidden floor or deck nozzles which 'pop up' on system release.

**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. Easy to install, and light weight in comparison with conventional sprinkler or other fire suppression systems, Ultra Fog is the system of choice for military applications world wide. International warranties and aftersales support is an integral part of the **Ultra Fog** scope of supply.



## Military vessels



● Holland Offshore Patrol Vessel



● NCS Cutter



● Combat Boat U.S. Navy

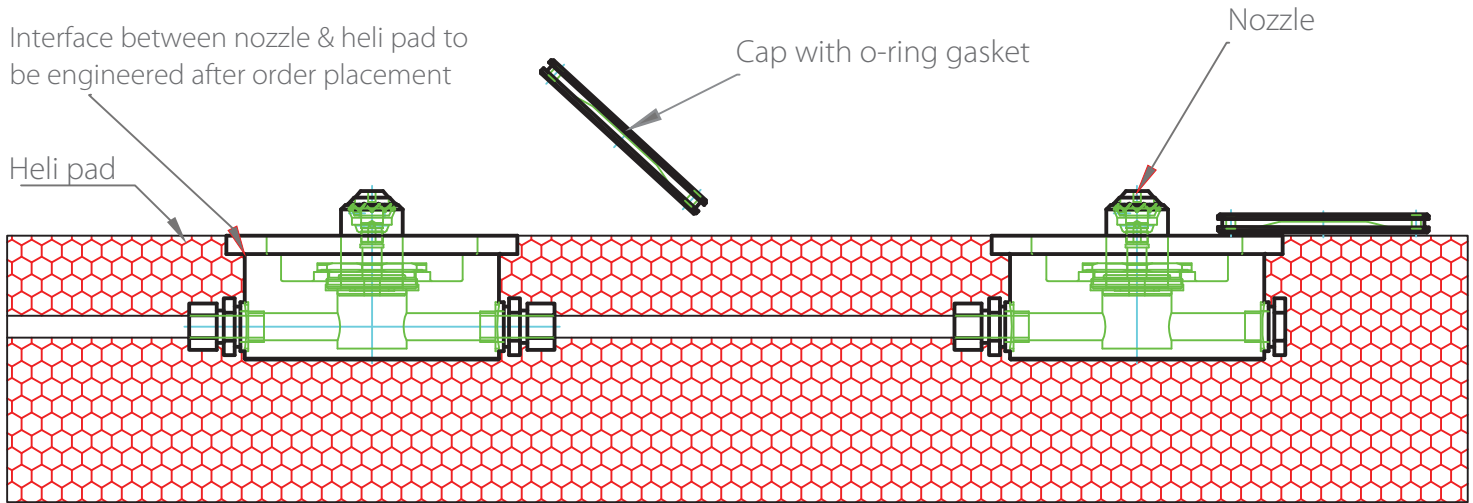


● Schelde Naval for the Royal Dutch Navy



● Submarine

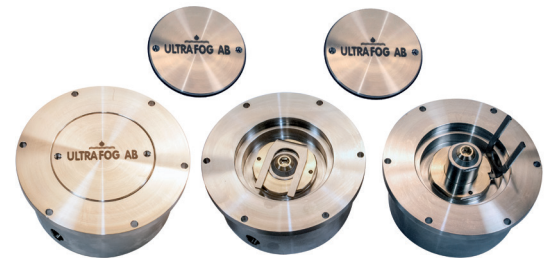
Water pressure will lift up nozzles with great power and the cap will be removed from the body. A triggered nozzle is to be reintegrated by pushing the nozzle and the cap back to their original position.



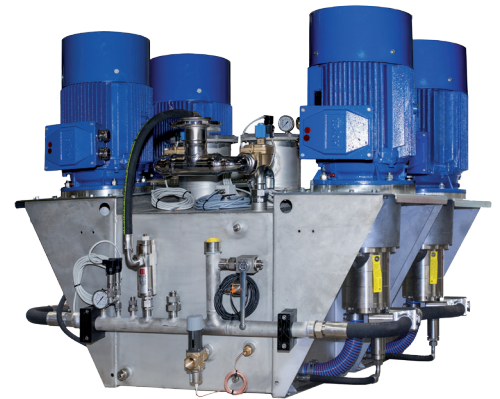
## Ultra Fog Marine Classification Testing and Approvals.

The Ultra Fog Water Mist System is rated as Class 1 according to the National Fire Protection Association Code (NFPA, USA), attesting that Ultra Fog has the smallest average droplet size, which ensures an effecting cooling of the fire and surrounding area.

The Ultra Fog's Water Mist System has been fire tested by the Swedish Test Laboratory (SP) and SINTEF, Norway, both of which are fully authorised by IMO, the Southwest Research Institute (SwRI), United States and laboratories in Denmark.



Ultra Fog Popup Nozzles



Main Pump Unit with one extension

- Ultra Fog has been tested and approved according to the IMO Res. A.800(19) and IMO Res MSC 265(84) for accommodation areas, stores and service areas.
- IMO MSC/Circ. 847, activation by detectors as an alternative to the glass bulb.
- IMO MSC/Circ. 1165 and MSC/Circ. 913, machinery areas, total flooding in pump rooms and local applications.
- IMO MSC 1272, protection of RoRo and special category spaces.
- IMO MSC 1268, protection of balconies.
- ISO 15371, for protection of galley ducts and cooking equipment (including deep fat fryers).
- A performance Effectiveness Analysis was carried out by DNV, Norway.
- Component testing by the laboratory of FM (Factory Mutual), USA.
- USCG (United States Coast Guard) approved.



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.