tyco
Fire Protection Products

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Machinery Space Protection



AquaMist

Machinery Space

Areas that contain machinery or equipment with the following common features:

// They contain flammable liquids under pressure

// There is a presence of hot surfaces

// 'Non tight' enclosures

In case of a fire the pool/spray fire may grow very fast and develop into a very high heat release fire. AquaMist's three FM proven technologies offer excellent fire suppression and cooling capabilities even in 'non tight' enclosures. The Tyco AquaMist Machinery Space protection is a complete range of FM approved water mist solutions. The range includes; low pressure AquaMist ULF, high pressure AquaMist FOG and hybrid AquaMist Sonic technologies with different features to better accommodate the end user needs. The following risks fall into the Machinery Space definition:



// Turbine enclosure



// Transformer & Generators



// Engine test cells



// Paint booths



// Wind turbines



As part of a fire-protection toolbox, the AquaMist systems offer a simple and easy to use water-based fire suppression solution which is dependable, safe and carries comprehensive approvals. Through our expertize and knowledge, we can advise you on which system is best suited to the environment to be protected and the best specification to match the risk. We believe in customizing a solution to the application, not in a one-size-fits all solution. Selecting the right watermist system is not only about extinguishing the fire, it is about caring for the contents of the building and minimizing water damage. It is also about optimizing budgets and protecting the reputation of the specifier.

AquaMist Ulf

The system operates at working pressures of 7 to 16 bar, producing droplets of water through an engineered discharge nozzle, with different nozzle types for different protected hazards.

// **Low pressure solution**

// **Approved up to 1280m³**

// **Economic electrical driven pump skid solution**

// **Minimum discharge duration : 40 minutes**

A typical ULF system for machinery space consists of:

// **A pump skid unit**

// **Electrical control equipment**

// **Discharge nozzles which are located around the protected area**

// **G-PRESS piping system**

// **Design & technical services**

AquaMist Fog

The system operates at working pressures of 70 to 200 bar to produce droplets of small diameters at high speed. For each different protected hazard optimized nozzles have been developed and tested.

// **High pressure solution**

// **Approved up to 260m³**

// **Bank of cylinders standalone solution**

// **Minimum discharge duration : 10 minutes**

A typical Fog system for machinery space consists of:

// **Bank of cylinders**

// **Electrical control equipment**

// **Discharge nozzles which are located around the protected area**

// **Design & technical services**

AquaMist Sonic

This system utilizes nontoxic and readily available extinguishing media (water and nitrogen). AquaMist Sonic's twin-fluid technology is safe for people and is environmentally-friendly and it is also inexpensive to recharge.

// **Hybrid solution**

// **Approved up to 1040m³**

// **Bank of cylinders standalone solution**

// **Minimum discharge duration : 10 minutes**

A typical Sonic system for machinery space consists of:

// **Bank of cylinders**

// **Electrical control equipment**

// **Discharge nozzles which are located around the protected area**

// **Design & technical services**

FM APPROVED

(*) Turbine protection discharge time shall be turbine downtime or 10 minutes whatever is longer. Also other solutions according to guidelines like IMO or Performance based are available. Please contact your AquaMist specialist for more information.

Advantages of the AquaMist Machinery protection solutions:

// **Three different technologies to better accommodate end user needs**

// **Third party tested and approved**

// **Suitable for 'non tight' enclosures**

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