marine catering industrial property data protection transport

Marine Fire Protection

Saving lives, assets and the environment

Nobel Fire Systems has built on over 30 years of reliable, proven technology to develop fire suppression technologies aimed at special risk environments.

Underpinning the product development programme is a certain conviction that early fire detection and fast effective suppression saves lives, assets and the environment. The Company offers a complete range of services from risk based analysis, consultation and design through to distribution and installation.

As no single suppression medium or application method covers all fire risk scenarios, our range of fire suppression systems covers all class of fires, and systems can be tailored to meet individual needs.

K-Series - Approved and Certified to 15371:2009

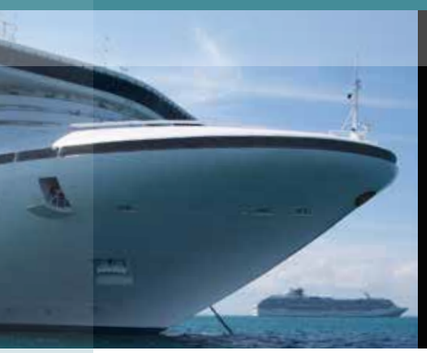
www.nobel-fire-systems.com

Nobel fire systems

Nobel K-Series

The worlds leading galley fire suppression system

With the new changes to galley fire protection under 15371:2009 the onus is on ship owners to ensure their fire suppression systems now protect more than just the fryers.



Nobel's K-Series system easily facilitates this requirement, with the ability to extend protection beyond the fryer to the cook line, canopy and ductwork to ensure compliance to 15371:2009 is not in doubt.

The Nobel K-Series Galley Fire Suppression System is acknowledged as a world leader in its field. The K-Series is fully automatic and is electronically actuated using dedicated heat sensors, linear or spot heat detectors to detect fire conditions.

Detection can be sited directly over appliances or alternatively in the extract air flow above the appliances. Therefore, cooking appliances can be individually protected or multiple systems can be configured to suit the demands of the galley. Installations comprise of one or a number of stainless steel cylinders, each containing a highly effective F class wet chemical liquid designed specifically for fast flame knock down and fire suppression. Installation and commissioning of Nobel's K-Series systems into the galley hood and ductwork is either carried out at the factory or can easily be retrofitted at the shipyard or on-board the ship.

Whichever method is used, owners and operators are provided with resultant direct savings. Design is simple and compact with no high pressure gas cartridges and no mechanical pulleys, tensioners, levers or spring loaded plungers. In addition, the K-Series system facilitates real time monitoring for fire and fault conditions. On receiving the appropriate fire signal, the system control panel raises both audible and visual alarms and immediately initiates shut down of the power supply to the appliances being protected. Simultaneously, the control system deploys the suppressant liquid onto the fire.

The gas required to pressurise the storage cylinder is produced under controlled conditions from a solid propellant gas generator both of which remain at zero pressure until activated by an electrical signal from the system control panel. On actuation, the cylinder is then pressurised to 5-7 bar throughout discharge.

The wet chemical suppressant liquid is formulated to suppress fires in cooking oils and grease and prevents re-ignition. The low, near neutral pH value of the liquid ensures that there is no damage to the galley appliances, and as a direct consequence of the efficiency of K-Series in limiting the volume of liquid required to control the situation, there is minimal clean-up requirements following discharge.

Nobel K-Series is designed to meet the requirements of ISO 15371:2009 and helps ship owners and operators comply with the demands of the SOLAS Convention in its successive forms.

Customer benefits

Nobel K-Series

Nobel Fire Systems are continually looking to add value for all customers and work closely to gain a thorough understanding of individual needs. As such our systems are not pre-engineered as is the industry norm but are innovatively tailored and integrated solutions designed to meet the specific requirements of each customer.

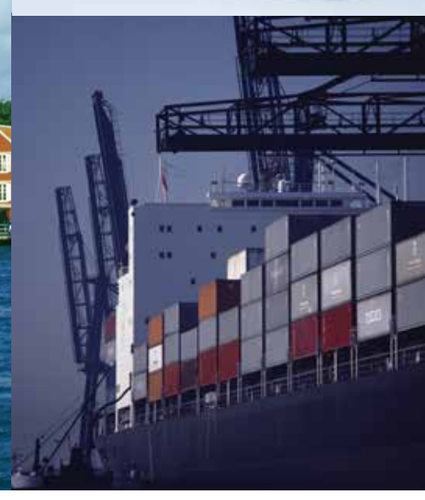
The system is manufactured in stainless steel to ensure the aesthetics complement the galley environment as well as being able to withstand the harsh conditions.

The electrical nature of our system ensures all circuits can be fully monitored for fault conditions, so the customer can have total confidence in the operational integrity of the system. All systems have full battery back-up to ensure continued operational ability even in the event of power outages. This design feature also facilitates remote diagnosis by authorised engineers.

The cutting edge design enables significant reductions in installation time and therefore cost.

Nobel Fire Systems' K-Series provides:

- A highly competitive, bespoke solution designed to meet the individual needs of each and every galley
- Extended ductwork protection, unique to our system
- Remote monitoring and fault reporting through system control panel
- Flexible, cutting edge design in stainless steel enabling seamless integration
- Reduced servicing requirements through intelligent control system and robust components



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