



# 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.

Stat-X K-Series

# Nobel K-Series

The worlds leading galley fire suppression system

The Nobel K-5 Galley Fire Suppression System is acknowledged as a world leader in its field. K-5 is a fully independent system that is electronically actuated and uses spot heat detectors to detect fire conditions.



## Nobel K-series benefits:

- Tailored protection packages to meet individual needs
- The greatest fire protection possible
- Reliability & control
- Longevity & serviceability
- Value for money
- No pressurised cartridges required

The detectors 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. Installation and commissioning of K-5 into the galley hood 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-5 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 10-12 bar. The wet chemical suppressant liquid is formulated to suppress fires in cooking oils and grease and prevents re-ignition.

Nobel K-5 is designed to meet the requirements of ISO 15371:2000 and helps ship owners and operators comply with the demands of the SOLAS Convention in its successive forms.



# Nobel Stat-X

## Condensed Aerosol System



Installation of the Stat-X automatic fire suppression system requires no pipework or nozzles. Units are simply placed directly on or in the risk area being protected.

Stat-X units are sized for volume protection and are extremely compact, intensively efficient and cost effective to install.

Space and weight requirements are minimal making Stat-X the only viable option for many vessels. On an agent weight basis, Stat-X aerosol is ten times more effective than gaseous agent alternatives. Units are environmentally friendly with zero ozone depletion and zero global warming potential.

In the event of an on-board fire incident, suppression is rapidly achieved through interference between the ultra-fine aerosol particulate and the flame's free radicals, terminating propagation of the fire.

A key benefit of the Stat-X system is the fact that it is virtually maintenance free and has a proven shelf life of 10 years, making the system a very cost-effective fire suppression solution for the marine industry. Stat-X is

suitable for Class A (surface), B and C fires. Available in five pre-engineered sizes for operation in temperatures in the range -40 degrees to +54 degrees C.

Stat-X is ideal for all marine application including electrical cabinets and enclosures, engine enclosures, and on-board flammable liquid areas. The Stat-X system can be used individually, or in multiples depending on the area to be protected.



marine catering industrial property data protection transport



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