



www.nobel-fire-systems.com

Nobel Fire Systems and Mobile Plant Fire Protection

Nobel Fire Systems has built on over 30 years of reliable, proven technology to develop fire suppression technologies aimed at special risk environments. We offer a complete range of services from site survey, consultation and design through to installation and maintenance.

What we do

Nobel Fire Systems focus entirely on fire suppression technologies for special risk environments, with significant expertise in protecting mobile plant, where we know there are special challenges associated with accomplishing effective fire detection and suppression.

Even a small fire will potentially have far reaching and expensive consequences, we know how business critical plant and machinery can be, often utilised 24/7 with any downtime having a serious impact on bottom line performance.

The Solution

Stat-X is a 2nd generation condensed aerosol fire suppression system, providing an innovative, cost-effective and ecologically safe solution for rapid fire suppression of all high value enclosures. The systems offer advanced methods for protecting more challenging applications and are especially suitable for all mobile plant related applications.

As proof of its global acceptance in this critical area of fire suppression, Stat-X has undergone extensive testing with UL, ULC and others for land based applications and establishments such as the US Military, NASA, UK Military, Eurostar, MCA, Toyota and others for use on their plant, equipment and vehicles.

While the objective must always be to save lives and property, Stat-X combines science and economics to provide a highly cost effective, superior, environmentally friendly fire suppressant. On an agent weight basis, the systems are ten times more effective than gaseous agent alternatives. As such Stat-X systems offer significant cost, weight and space savings. Units are simply fixed directly on or in the risk area being protected, which allows easier and more cost-effective installations that require no pipework or nozzles. The Stat-X units have zero ozone depletion and zero global warming potential and are available as electrically, thermally or manually activated units.

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Mobile Plant Fire Protection

Stat-X control panels

Where required, Nobel has a range of specifically designed control panels to interface fire detection and actuation of the Stat-X units. These panels can be connected to the plant power supplies 12-30VDC or there is an invaluable ability to provide a totally stand alone self sufficient unit requiring no outside power source. These units can provide up to 10 years of low maintenance, high efficiency control and integration.

The panels have a tamper proof manual release button, to enable the driver/operator to actuate the system manually and also facilitate full fault monitoring on all detector and actuation circuits ensuring any faults with the system are immediately flagged to the driver. There is even the option for an ultra-low power "PARKED" mode function to ensure there is no compromise on the performance of the plant/ vehicle battery when the vehicle is parked for extended periods, whilst still maintaining full fire fighting capability.

The system control panels also enable bespoke configuration to meet the requirements of each and every risk.

Depending on the control panel chosen options include:

- Manual release only (no automated release function)
- Single stage detection with manual release (single detection method with immediate/timed release on sensing of a fire condition)
- Two stage detection with manual release (requires two independent detection methods that require both detection methods to sense a fire condition before release with immediate/timed release on sensing a fire condition)

Added Fire Suppression Security

Unlike the majority of systems on the market, Nobel's fire protection system can provide an economical "second strike" capability. Due to the effectiveness and compact nature of Stat-X a timed release full capacity 2nd suppression system actuation can be achieved doubling the post fire security against re-ignition. This critical 2nd application can be timed strategically for the type of plant being protected giving a far more robust and reliable method of fire control.

Key Benefits

- Significantly more effective than alternative extinguishing agents
- Environmentally friendly, Global warming and Ozone depletion potential (ODP) = 0
- Easy installation – no pressure vessels, piping or nozzles required
- Extremely low maintenance
- Provides reliable, cost effective protection for a wide range of mobile plant related fire hazards
- Tested and Listed to UL Standard 2127
- Tested to US MIL (military) standards
- Safe for personnel – non harmful at design application rates
- Robust, hermetically sealed units, tested to US military specifications
- Compact – up to 90% reduction in space and weight requirement
- No risk of loss of pressure
- No risk of compacting or caking as in dry chemical powder systems
- No risk of loss of expellant gasses
- Clean agent with little to no post discharge clean up requirement

Stat-X[®]

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