

# Data 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.

Nobel Stat-X Watermist Gas Oxygen Reduction

# Nobel Stat-X

## Condensed Aerosol System

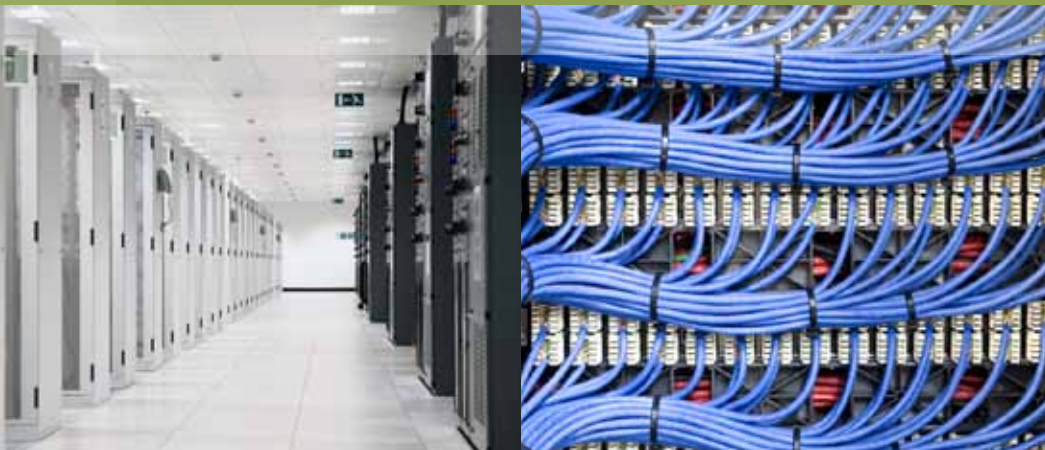
Stat-X is a self-contained, environmentally friendly suppression system proven to be extremely effective in use across a wide range of applications and especially where there's a need to protect critical areas and hardware housing data and other information records. The system requires no pressure vessels, pipework or nozzles with units simply placed directly on or in the area being protected resulting in rapid installation time. Sized for volume protection and extremely compact, Stat-X offers up to 90% reduction in space and weight requirements. On an agent weight basis, Stat-X is ten times more effective than gaseous agent alternatives and units have zero ozone depletion and zero global warming potential.

In the case of fire breaking out, Stat-X can be operated both automatically and manually and clean up requirements are minimal. A major advantage to data room users lies in the fact that the particulate remains in suspension for up to an hour – providing time for materials to cool and preventing a potential re-ignition. Minimal maintenance is required and Stat-X units have a proven shelf life of 10 years, making the system a totally cost effective fire suppression solution.

The system's control panel can be easily connected to the property's building management system for notification purposes.

### Benefits include:

- **Fast installation time**
- **Reduced maintenance costs**
- **Safe for electronic equipment/magnetic media**
- **Minimal clean up in event of fire**
- **Up to 90% reduction in space and weight requirements**
- **No integrity testing needed**
- **Zero Ozone depletion**
- **Non Toxic**



# Nobel Oxygen Reduction

## Fire Prevention not fire suppression

The Nobel Oxygen Reduction Fire Prevention System is based exactly on that principle. By keeping the atmosphere in the designated fire protection areas low in oxygen, and significantly below that required for combustion, the system prevents fires occurring while still remaining perfectly safe for human occupation.

While traditional fire safety systems are often conceived to be reactive and automatically extinguish fires, the Nobel Oxygen Reduction system proactively prevents the start of any combustion in the protected areas by monitoring and controlling the proportion of oxygen to nitrogen in the enclosed atmosphere.

The system uses specific, automatically regenerating filters which modify air through a totally ecological process with very low energy consumption. The proportion of oxygen to nitrogen is changed without the need of additional products or compounds.

Safe for use in normally occupied areas, the methodology is completely natural and therefore totally environmentally friendly and will not leave any kind of residual and/or polluting substance.

# Nobel Water Mist

## A natural solution to a man-made problem

The Nobel Water Mist system provides a highly effective alternative to other fire suppression systems, for use across a wide range of data protection applications. Environmentally friendly and with greater heat absorption efficiency. Nobel's Water Mist systems are designed to operate over a wide range of pressures and flows to achieve the required performance, capabilities and functions.

Water has a natural ability to absorb heat and by manipulating pressure and nozzle design the effective surface area of the water droplet can be increased, thereby creating a larger interface with the fire and greater energy absorption efficiency. In the case of

fire breaking out, the Nobel Water Mist system as well as its ultra efficient fire suppression capabilities can act as to scrub the air of smoke, aiding visibility and reducing smoke toxicity. The mist also protects against radiated heat and helps prevent the potential spread of fire to other areas.

A key benefit of the water mist system is the lower volumes of water required in comparison to fire sprinkler systems. This means that pipework diameters and storage capacities consequently reduce. Water can be delivered to the risk area via dedicated pumps. Nobel Water Mist Systems have world-wide approvals.



# Nobel Gas

## More than just fire protection

The focus of fire suppression is rightly one of quickly limiting the amount of damage a fire can cause. Sometimes that's not enough. Critical facilities such as data rooms can require an even higher level of fire protection.

Most sprinkler systems activate when temperatures reach a pre-set level, often after a fire is established and equipment damage may have begun. Traditional water based agents are electrically conductive and can cause current flow resulting in damage to sensitive equipment. There's also the problem of cleaning up, drying out equipment and resultant loss making down time.

To help alleviate these problems, Nobel offers a range of gaseous fire suppression systems to cover all risks. Nobel provides the design, installation and servicing of all the systems with the risk to be protected dictating the choices available, taking into consideration the effect on the environment, type of fire risk, physical constraints, building structure and location, practicality and economic considerations.

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