

### Stat-X benefits at a glance

- Significantly more effective than alternative extinguishing agents
- Environmentally friendly, Ozone depletion potential (ODP) = 0
- Zero global warming potential
- Easy installation – no pressure vessels, piping or nozzles required
- Extremely low maintenance
- Provides reliable, cost effective protection for a wide range of fast food related fire hazards
- Tested and Listed to UL Standard 2127
- Suitable for enclosed facilities and 'local' applications
- Safe for personnel – non harmful at design application rates
- Will not damage electronic equipment or magnetic media
- Post fire clean up is minimal, aerosol suspends in air for quick and easy venting after discharge
- Compact – up to 90% reduction in space and weight requirement
- No risk of loss of pressure
- No guesswork regarding the amount of suppressant medium quantity required  
Systems are installed based on established and tested design densities and application rates and are designed specifically to the volume of the compartment being protected
- Tested and approved globally by numerous recognised authorities and establishments



# Fryer Fire Protection

Saving lives, assets and the environment with Stat-X

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

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# Nobel Stat-X

## A premier fire suppression system for fast food outlets

It has long been acknowledged that industrial fryers represent a real and obvious fire hazard within the global fast food industry. When it comes to fire prevention in the hectic working environment of fast food outlets, the line between safe practice and potential disaster can be very fine.



## Stat-X The suppression agent

As proof of its global acceptance in the critical area of fire suppression, Stat-X has undergone extensive testing with UL, ULC and others including the US Military. While the ultimate objective must always be to save lives and property, Stat-X is an innovative fire protection system that offers more by combining science and economics. All Stat-X systems offer significant weight and space savings. On an agent weight basis, the systems are ten times more effective than gaseous agent alternatives. Units are environmentally friendly with zero ozone depletion and zero global warming potential. Specially developed components and highly effective detection devices for rapid agent application combine with the environmental qualities to provide the most effective fire suppression systems available. Units can be electrically, thermally or manually activated, are extremely compact, and totally eliminate the need for expensive pressure vessels, nozzles and distribution piping or tubing normally associated with other fire suppression systems.



This fact particularly includes the until now undiscussed issue of fires occurring in the fryer's internal compartments created by residual oil and grease build up which provides fuel for electrical and gas malfunctions.

Now however, Nobel Fire Systems has addressed this specific issue and following a series of specific fire tests in aged fryers Nobel can offer an active fire suppression system that sits within the previously unreachable areas of the fryers internal workings. UL approved, Nobel's Stat-X condensed aerosol system sits neatly inside the fryer constantly ready for immediate activation. In the event of a fire occurring, the totally self contained system which needs no external power supply,

will immediately detect and activate the dedicated fire suppression system providing a localised First Response to any developing fire.

Stat-X is an innovative, cost-effective and ecologically safe solution for rapid fire suppression and protection of all high value enclosures. The systems offer advanced methods for protecting more challenging applications and are especially suitable for all infrastructure related applications.

This UL approved fire suppression system is a self contained 2nd generation condensed aerosol system that requires no pipework or nozzles and the aerosol fire extinguisher units are placed directly on or in the risk being protected.

When activated the aerosol can remain in suspension for extended periods, providing greater post fire security against re-ignition. Another benefit of the Stat-X system is that the units are environmentally friendly with zero global warming potential.



The aerosol produced when Stat-X is activated is composed of ultra-fine particles of potassium with secondary inert gases. Recognised as being one of the most effective fire suppression agents available, potassium suppress fire by a combination of chemical and physical mechanisms similar to Halon but without the negative effects on the environment. Because of the aerosol's ultra-fine particle size there is a dramatic increase in the surface area interaction between the agent and the fire. Potassium based aerosol has proved in numerous tests to be a highly effective alternative to other extinguishing agents. Unlike gaseous agents, the aerosol does not decompose in the presence of fire nor does it extinguish by oxygen deprivation.

The result is an ultra fast fire knock down capacity and due to the potassium aerosol being suspended in the air of the enclosure for an extended period of time, it possesses long post fire security. The ultra-fine aerosol discharge can easily be vented after discharge. Any small amounts of aerosol which may have settled can be easily and swiftly removed by blow down or even by simply wiping over. Any settled particulate is minor and does not present any detrimental effect on the components it is installed to protect.

The Stat-X aerosol generator is sealed with a non-permeable membrane and has been evaluated for temperatures down to -40 degrees Centigrade and humidity (up to 95% relative humidity). UL's stringent testing has proved the units have an effective life of 10 years. Stat-X is the only Condensed Aerosol to have undergone and passed stringent US accreditation under UL and is approved to UL2127 for clean agent fire suppression systems.

Approved by the US EPA for use in occupied areas.

