

Industrial 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.

Water Mist Stat-X Gas Dry Chemicals FS-Series

Nobel Water Mist

A natural solution to a man-made problem

A highly effective alternative to other fire suppression systems, for use across a wide range of industrial applications. Environmentally friendly and with greater heat absorption efficiency



Nobel Water Mist benefits:

- **Highly Efficient**
- **Fast fire knock down**
- **Compact**
- **Environmentally sound**
- **Reduces radiated heat**
- **Excellent cooling properties**
- **May have smoke scrubbing effect in some cases**

The Nobel Water Mist system provides a highly effective alternative to fire sprinklers and other fire suppression systems and it can be used across a wide range of industrial applications. It has greater heat absorption efficiency, uses less than 10% of the water used by sprinkler systems and is totally environmentally friendly.

Nobel Fire 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 or stand alone cylinder batteries.

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 can require an even higher level of fire protection.

Small fires, even those contained to a single area can cause problems in a critical operation. For instance, 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 electrical equipment. There's also the problem of clean up, drying out equipment and resultant loss making down time.

To help alleviate these problems, Nobel FireSystems offers a full range of gaseous fire suppression systems to cover all risks. Nobel provides the design, installation and servicing of all the gaseous 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.

Where risk volumes are large Nobel can offer a brand new "Hypoxic" system which continually maintains an enclosure environment to reduce oxygen levels below the level that supports combustion, rendering the area a "No Fire" zone. Preventing a fire from developing in the first instance. The environment created is safe for occupied areas and particularly effective in high value, high loss risk applications.

Nobel Gaseous systems offer:

- **Effective protection for premises/ equipment that would otherwise sustain damage if exposed to conventional fire protection**
- **No clean up required in the event of fire breaking out**
- **Rapid recovery of business operations**
- **Systems installed to relevant British and European standards**

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