

AUTOMATIC FIRE SUPPRESSION SYSTEMS



Fume cupboards and ventilated enclosures are specifically designed to contain hazardous and volatile materials. The enclosures isolate the chemicals and fumes from the main area of the laboratory. Should a fire or incident occur it may not easily be detected by the buildings standard alarm systems.

To overcome this problem, detection is needed within each enclosure and this can prove difficult when working with corrosive or flammable substances.

The Firetrace[®] range of systems not only provide detection in these environments, but also **fully automatic** fire suppression.

The Firetrace[®] systems are autonomous and provide close individual protection for each cabinet or enclosure.

They can be constantly monitored and interfaced with other services to achieve localised shutdown or alarm activation.

The pneumatic Firetrace[®] systems are intrinsically safe and are available with ATEX rated pressure switches for specialist applications.

Laboratory Application Protection

The Firetrace[®] Solution

Firetrace[®] has a range of Automatic Fire Suppression systems to protect all types of fume cupboards and laboratory equipment giving lab users peace of mind.

Our systems use our unique patented linear detection tubing which is installed discreetly within the enclosure ensuring airflow and extraction paths are covered.

This tubing can quickly and accurately detect a fire to activate the system before the fire can spread to other areas.

The Firetrace[®] systems do not need complex electronic detectors or panels, but operate using simple pneumatics. This alleviates the need for separate power supplies or battery backups making the entire system fail safe with minimal moving parts.

The systems are safe to use in flammable areas.

A choice of suppressing agents are available to suit specific types of chemistry.



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So how does it work?

Firetrace[®] systems use the patented linear detection tubing which is installed throughout the risk area and connected to the cylinder. The tubing is then charged with Nitrogen. This pressure keeps the Firetrace[®] valve closed.

Should a high temperature or fire occur then the pressurised tubing will burst and the cylinder valve will activate deploying the extinguishant immediately onto the fire via the dedicated discharge pipework and nozzles.

A pressure switch is also added to the system. Should the tubing burst or the pressure lost for any reason, the switch will change state and automatically isolate the power supply and/or send a signal to a local alarm.

**All Systems CE
& Fully PED
Compliant**

**Simple Automatic
Fire Protection,
No Complicated
Electronics**

Why choose Firetrace[®]?

Firetrace[®] offer affordable suppression systems to protect fume cupboards and other laboratory equipment.

The Firetrace[®] system reacts quickly minimising expensive damage and downtime by not only detecting the fire, but extinguishing it at source.

Our systems can easily be retrofitted to existing equipment and alleviate the need for complicated detectors and electronics.

A choice of extinguishing agents is available including ABC Dry Powder, Carbon Dioxide and Alcohol Resistant Foam.

All Firetrace[®] systems are CE marked and manufactured under our ISO9001:2015 quality system

Firetrace[®] has been manufacturing suppression systems for over 25 years and has vast experience in the fire industry. We have a number of documented success stories where our systems have both detected and extinguished fires within fume cupboards with little or no damage to the equipment.

Firetrace[®] offer a full design, installation and aftersales service and are recognised by most major insurers.



STOP FIRES WHERE THEY START

