

Your
Protection
Our
Passion



PAFSS (pneumatically actuated fire suppression systems) Fire Suppression Systems



Simple
Affordable
Versatile
& exceptional British quality



The PAFSS fire suppression system is an exceptionally versatile fire suppression range, with a huge range of extinguishing technologies available - making it suitable for almost any type of fire risk.

It requires no external power supply, which makes it very fail-safe. It is activated when the pressurised detection tubing is ruptured by the heat of a fire, allowing the pressure contained in the tube to escape. This then releases the valve on the extinguishant cylinders, activating the suppression system.

The systems activation can trigger a range of other actions using a pressure activated electrical switch, including the shutdown of associated machinery, activation of an external alarm system or the activation of a standalone sounder/flashing beacon. This helps to ensure that other persons are immediately alerted to the danger and that damage to any affected machinery is minimised as much as possible due to its prompt shutdown.

PAFSS systems are made in the UK to exacting standards - even the cylinders are crafted onsite by professional engineering processes, while the essential components for the complex valve assembly are all milled from solid brass. In short, at Blazequel we have the ideal solutions to make you safer - and as always, we're using equipment you can trust.

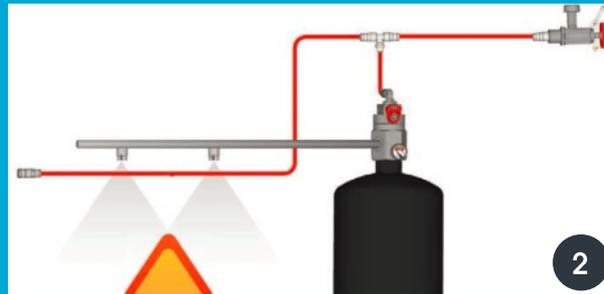


System Types

The PAFSS system can be set up in two ways depending upon the application and the size of the protected area to protect.

As shown in diagram no. 1 it can be configured as a 'Direct' system, which on activation of the system forces the extinguishing agent through the hole created in the detection tubing (shown in red) when the tubing is ruptured in the heat of the fire. This method is excellent for smaller fire risks and for ensuring that the extinguishing agent reaches the heart of the fire.

Alternatively it can be built as an 'Indirect' system, using external pipework as the delivery method for the extinguishing agent. On activation of the detection tubing (shown in red) the extinguishing agent is forced through the pipework and nozzles directed at the key fire risks that the system is protecting. This method is ideal for protecting larger fire risks and for ensuring that the extinguishing agent reaches all parts of the protected area - not just the area directly in line with the rupture in the detection tubing.



PAFSS comes with a huge range of extinguishing agents, ensuring that we have the perfect solution to your requirements - from 'clean agent' technologies that leave no residue after activation through to tradition methods such as powder and CO₂, the PAFSS systems are ideal for almost any fire risk, including:

- Mechanical Plant machinery
- Transport and Vehicles
- Servers & Comms rooms
- CNC machines & Fume cupboards
- Power Generation

Our range of extinguishing agents include:

ABC Dry Powder
BC Dry Powder
Novec 1230

AFFF Foam
CO₂
Inert Gases



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