

# PAFSS®

PNEUMATICALLY ACTUATED FIRE SUPPRESSION SYSTEMS



## Electrical Enclosure Fire Protection

Automatic Fixed  
Fire Suppression Systems  
for Electrical Enclosures

Utilising 3M™ Novec™ 1230 Fire Protection Fluid



LPS1666  
Cert/LPCB ref. 783d

- › [www.abcfire.ie](http://www.abcfire.ie)
- › Donegal: 074 9156 300 | Derry: 028 7135 8134 | Belfast: 028 9099 6708 | Dublin: 01 9696 300
- › [info@abcfire.ie](mailto:info@abcfire.ie)



# Why choose PAFSS®

## THE PROBLEM

Electrical enclosures can be found, often in multiple numbers, in more or less every workplace, factory, warehouse or general commercial site.

These small enclosures, including those for distribution, control, communication and servers, can present a particular problem where faulty equipment, damaged wiring or improper installation can increase the risk of fire.

Fires in such enclosures can be difficult to identify, often until it is too late to take action, especially in well sealed enclosures where there would be limited egress of combustible products or heat.

## THE PAFSS SOLUTION

Our system offers peace of mind for customers looking to specify a fully tested, approved and certified solution for fire protection of their electrical enclosures.

PAFSS Direct Low Pressure (DLP) fixed fire suppression systems have been specifically designed to protect small enclosures in accordance with Loss Prevention Standard, LPS 1666. **“Requirements and test procedures for the LPCB approval of direct low pressure (DLP) application fixed fire suppression systems”.**

PAFSS DLP systems provide protection inside the enclosure and discharge at the heart of the fire, extinguishing quickly and preventing the fire from spreading to neighbouring enclosures / equipment and the wider building. This can significantly reduce the risk of injury to personnel and losses caused by equipment down time and operational disruption.

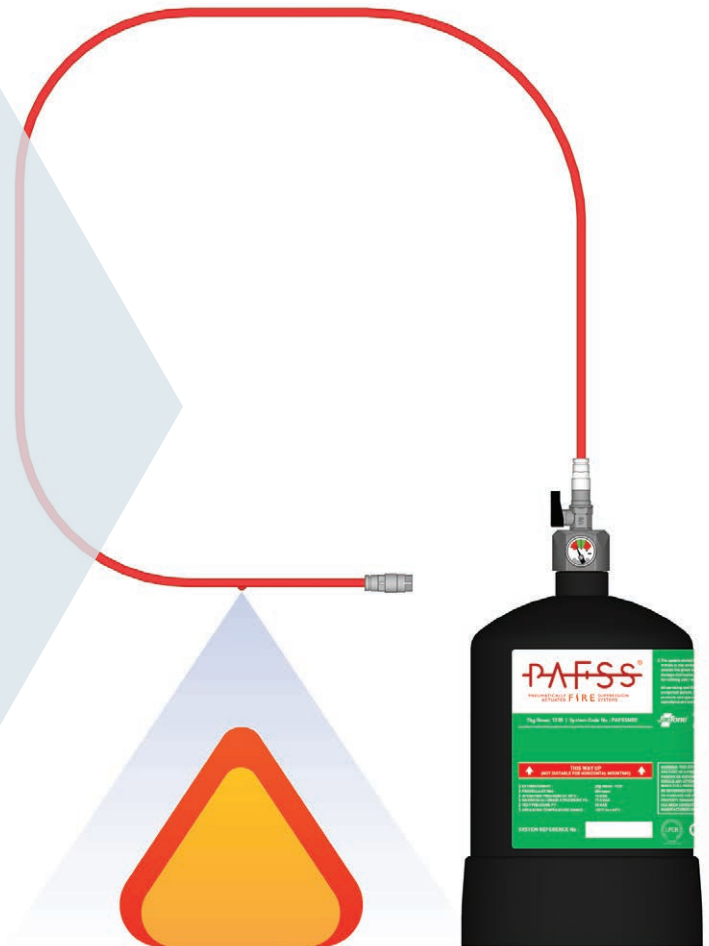
**On guard 24 hours a day, 365 days a year**



## PAFSS FEATURES

Our pre-engineered systems have many advantages, including :

- › Simple to install and maintain.
- › Fast, automatic actuation.
- › Linear heat and flame detection, allowing for an unlimited number of detection points.
- › Highly reliable detection tube. Remains unaffected by dirt, dust, debris and oil.
- › Flexible detection tubing can be located adjacent to the identified risk areas, providing fast effective detection.
- › Requires no power supply for detection or actuation, remaining operational during power interruption.
- › Superbly engineered specialist valves and pressure vessels containing clean agent extinguishant.



## HOW PAFSS WORKS

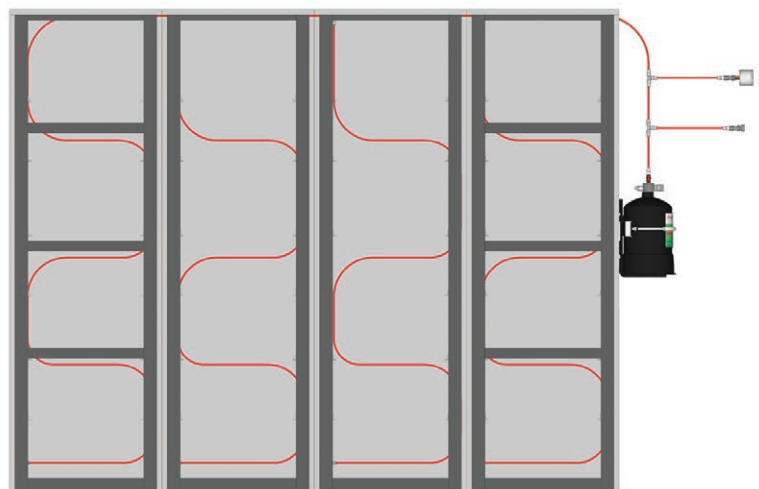


PAFSS fire suppression systems require no power for detection or to operate. PAFSS detection tubing is installed throughout the risk areas of the enclosure, providing fast and effective detection. Upon flame impingement or high ambient temperature, the pressurised detection tube ruptures with a burst at the hottest point. The extinguishing agent is then discharged from the connected cylinder through the burst hole at the heart of the fire.

**PAFSS DLP can protect up to FOUR enclosures with just ONE system.**

Each enclosure can be multi-compartment.

PAFSS DLP systems utilise 3M™ Novec™ 1230 Fire Protection Fluid, an electrically non-conductive clean agent. If discharged, it does no damage to electronic equipment or the data stored on it and also does no damage to the ozone layer.



Four enclosures each protected by individual PAFSS detection tubing

# PAFSS<sup>®</sup>

PNEUMATICALLY ACTUATED FIRE SUPPRESSION SYSTEMS



**On guard 24 hours a day, 365 days a year**



**Simple to install and maintain**



**Technical expertise, training and support**



**Fully certified system, recognised by leading insurance companies**

**> [www.abcfire.ie](http://www.abcfire.ie)**

**> Donegal: 074 9156 300**

**Derry: 028 7135 8134**

**Belfast: 028 9099 6708**

**Dublin: 01 9696 300**

**> [info@abcfire.ie](mailto:info@abcfire.ie)**

