



JacTone

WORKING IN PARTNERSHIP WITH

PAFFSS®



PNEUMATICALLY ACTUATED FIRE SUPPRESSION SYSTEMS

• U.K. MANUFACTURER •



PAFFSS®

PNEUMATICALLY ACTUATED FIRE SUPPRESSION SYSTEMS

- AUTOMATIC
- QUICK ACTING
- SUITABLE FOR PROTECTING:
 - > SMALL ENCLOSURES
 - > MICRO-ENVIRONMENTS



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- > Simple
- > Cost Effective
- > Self Contained

- > Compact
- > Integrated Functions
 - > Isolation Valves
 - > Reed Switches
 - > Valve Position Monitoring
 - > Discharge Confirmation
- > Reduced possibility of damage and leakages



PRINCIPLES OF OPERATION

The heart of any Jactone PAFSS is the special detection tubing which acts as a linear heat and flame detector. The pressurised tubing is completely flexible, tough enough to withstand the harshest of conditions and can be run throughout the installation adjacent to identified fire risks. Upon flame or heat impingement, the tube ruptures at the hot spot and by depressurisation the cylinder valve is activated to operate the extinguishing system. No external energy or any power is needed for detection or actuation.

The main features of these specialised systems are:

- > Linear heat and flame detection allows for an unlimited number of detection points.
- > Flexible detection tubing can be located adjacent to the identified fire risk areas, resulting in fast reaction.
- > Failsafe by design principles and simplicity.
- > Flexible tube remains unaffected by dirt, dust, debris, oil, vibrations in nearly all industrial environments.
- > No need for any external energy or power supply for detection or actuation.

PAFSS

There are many situations where dealing with a fire at source will both minimise the damage of valuable assets by extinguishing the fire early and before it more fully develops, enabling a quicker recovery of operations.

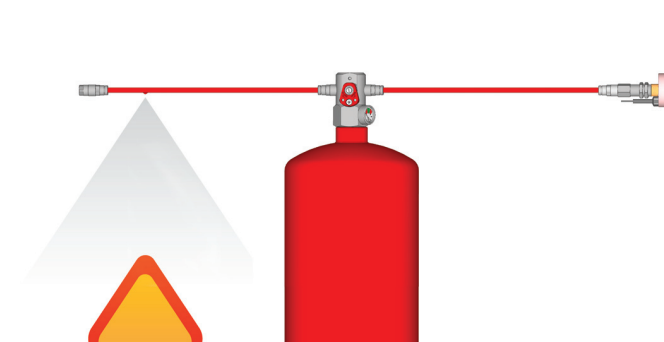
The range of Jactone PAFSS builds on years of experience and technical knowledge acquired in the fire extinguisher industry.

Jactone PAFSS can cover a range of applications and can be tailored to customer requirements, but the following common features apply:

- > Simple to install and cost effective to maintain.
- > Totally self contained, requiring no electrical source and remaining operational during power interruption.
- > Systems include detection / discharge tubing, superbly engineered specialist valves / regulators and pressure vessel(s) containing an appropriately selected fire extinguishing agent.
- > Unique features derived from innovative technology.

DIRECT SYSTEMS

Jactone Direct PAFSS are efficient and simple self-activating systems for small enclosed hazard areas. They are failsafe against malfunction.

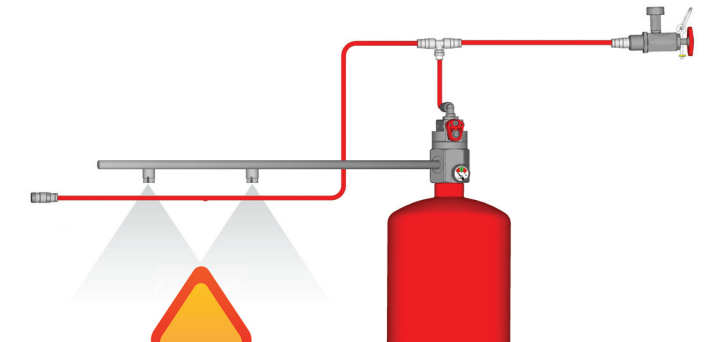


Upon flame impingement or heat the pressurised detection tube which is connected to a cylinder containing the suppression agent ruptures with a burst at the hottest point. The agent is then discharged through the burst hole directly at the heart of the fire.

Direct Systems are available in Low Pressure and High Pressure format, depending on the most appropriate extinguishant selected.

INDIRECT SYSTEMS

Jactone Indirect PAFSS are efficient and self-activating systems for larger enclosed and even open hazard areas.



Upon flame impingement or heat the pressurised detection tube will burst and by depressurisation will activate the cylinder valve to open. The agent is then released through separate pipework and nozzles which are aiming at the hazard area.

Indirect Systems are available in Low Pressure and High Pressure format, depending on the most appropriate extinguishant selected.

PAFSS Jactone PAFSS can cover a range of applications and offer great flexibility to be tailored to customer and installation requirements

APPLICATIONS

<p>TRANSPORT / LEISURE</p> <p>Buses, boats, trains - engine compartments.</p>	<p>CNC MACHINES (Automated operations)</p> <p>Injection moulding machines, robotic welding machines, machining centres.</p>	<p>ELECTRICAL CABINETS AND CONTROLS</p> <p>Electrical distribution cabinets, process control cabinets, communication racks.</p>	<p>INDUSTRIAL EQUIPMENT</p> <p>Fork Lifts, Plant / Machinery Engine Protection, Industrial Process Equipment.</p>	<p>MATERIAL STORAGE</p> <p>Fume Cabinets / Chemical Stores / Flammable Material Stores.</p>

RANGE OF EXTINGUISHANTS

It is clear that specific risks require specific extinguishing materials. Possible Materials that can be used in Jactone PAFSS include :

- > ABC Powder
- > AFFF (Foam)
- > Water
- > CO2
- > FM200
- > FE36
- > Novec 1230
- > Aerosol Generators
- > Inert Gases

To discuss the range of solutions that we can offer you, contact our Sales Team

