

REACTON

FIRE SUPPRESSION

HEAVY PLANT AND MACHINERY
AUTOMATIC FIRE PROTECTION



PROTECTING **YOUR FUTURE**, TODAY.



WHY DOES HEAVY PLANT AND MACHINERY NEED FIRE PROTECTION?

Heavy plant and equipment can be found working tirelessly in the most demanding of environments and industries and Reacton understands the impact to a business when experiencing a fire on this equipment.

With hydraulic hose failure likely to dominate why a machine stops working, the risk of fire increases significantly if the leaking hydraulic oil comes in contact with a hot surface. Any fire poses a significant risk to safety and the environment, and asset downtime effects site production, with considerable costs of repairing fire damage.

With Reacton's 'Safety First' approach, we have a fully developed and warranted single and dual-agent system designed to detect and suppress these fires quickly. Our system utilises a pneumatic detection tube that once compromised by fire, triggers the rapid deployment of an effective 'knock down' powder, and in a dual agent configuration, delivers a wet chemical that cools the surface to prevent re-ignition. We have an accredited system to SPCR 199 P-Mark, with a proven fire suppression response in engine compartments of heavy vehicles and plant.

APPLICATIONS AND **RISK AREAS:**

- ▮ Engine Compartments – various **high-risk components**
- ▮ Drive Systems – will **spread the fire quickly**
- ▮ Electrical Systems – threat to spread the **fire to surrounding components**
- ▮ Battery Enclosures – increases the **severity of the fire**
- ▮ Hydraulic Manifold – increases the severity of the fire due to **hydraulic fluid**

THE ADVANTAGES OF A **REACTON SYSTEM:**

- ▮ **Fully Automatic** Fire Suppression
- ▮ **No External Power** Required
- ▮ Extremely **Low Maintenance**
- ▮ **24/7 Protection** without False Alarms
- ▮ **10 Year** Service Life
- ▮ **Retro and Factory Fit** Compatible
- ▮ **Compact & Lightweight** for Easy Installation

APPROVED TO THE **HIGHEST GLOBAL STANDARDS**

The AS-5062:2016 certification is a highly recognised standard for protection of mobile and transportable equipment across multiple sectors, including construction equipment, heavy plant & machinery and mining equipment. We are proud to hold the certification for both our single and dual agents, consisting of dry powder and Fluorine Free Foam (Reacton F3)

This UL Listing certifies Reacton's detection tube as a Heat-Automatic Fire Detectors – Component. Having a core product Certified by UL demonstrates that you focus on providing your customers with a secure, safe, and sustainable offering.

According to SPCR 199, P-Mark has been developed for fire suppression systems in engine compartments of heavy vehicles. This relatively new approval is being quickly adopted and referenced as the benchmark for heavy vehicles.



DUAL AGENT FIRE PROTECTION:

NOZZLES

Wet Chemical and Dry Powder nozzles release the extinguishing agent

WET CHEMICAL

Provides excellent cooling properties, highly effective when paired with ABC Dry Powder

INDIRECT VALVE

Born from years of research and development and Made in Britain from high-quality stainless steel material

DISCHARGE HOSES

Extinguishing agent travels via discharge hoses to the nozzles

DRY POWDER

ABC Dry Powder, contains no ammonium phosphate. Ideally suited for Class A, B & C Fires

Reacton's UL-approved detection tube will burst at the predetermined design temperature, which activates the system. This releases the dry powder and wet chemical agent through the discharge hoses and engineer positioned nozzles to combat the fire rapidly and effectively, ensuring that reignition is prevented.

ADDITIONAL SAFETY FEATURES:

MANUAL ACTUATOR



Provides a secondary point of activation for the system using manual means.

JUNCTION BOX



The Junction Box houses all the connections for the control system, such as engine shut-down, backup battery, isolation, delay and system activation.

IN-CAB FASCIA



Enables the feature of manual activation and monitoring of the system.

BATTERY ISOLATOR



Isolates a power source for minimising the chance of re-ignition.

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REACTON SYSTEMS PROTECT

- On-Road and Off-Road Vehicles
- Residential Kitchens
- Manufacturing and Machining Equipment
- Industrial Equipment
- Power Generation
- Data Centres
- Electrical Control Cabinets

