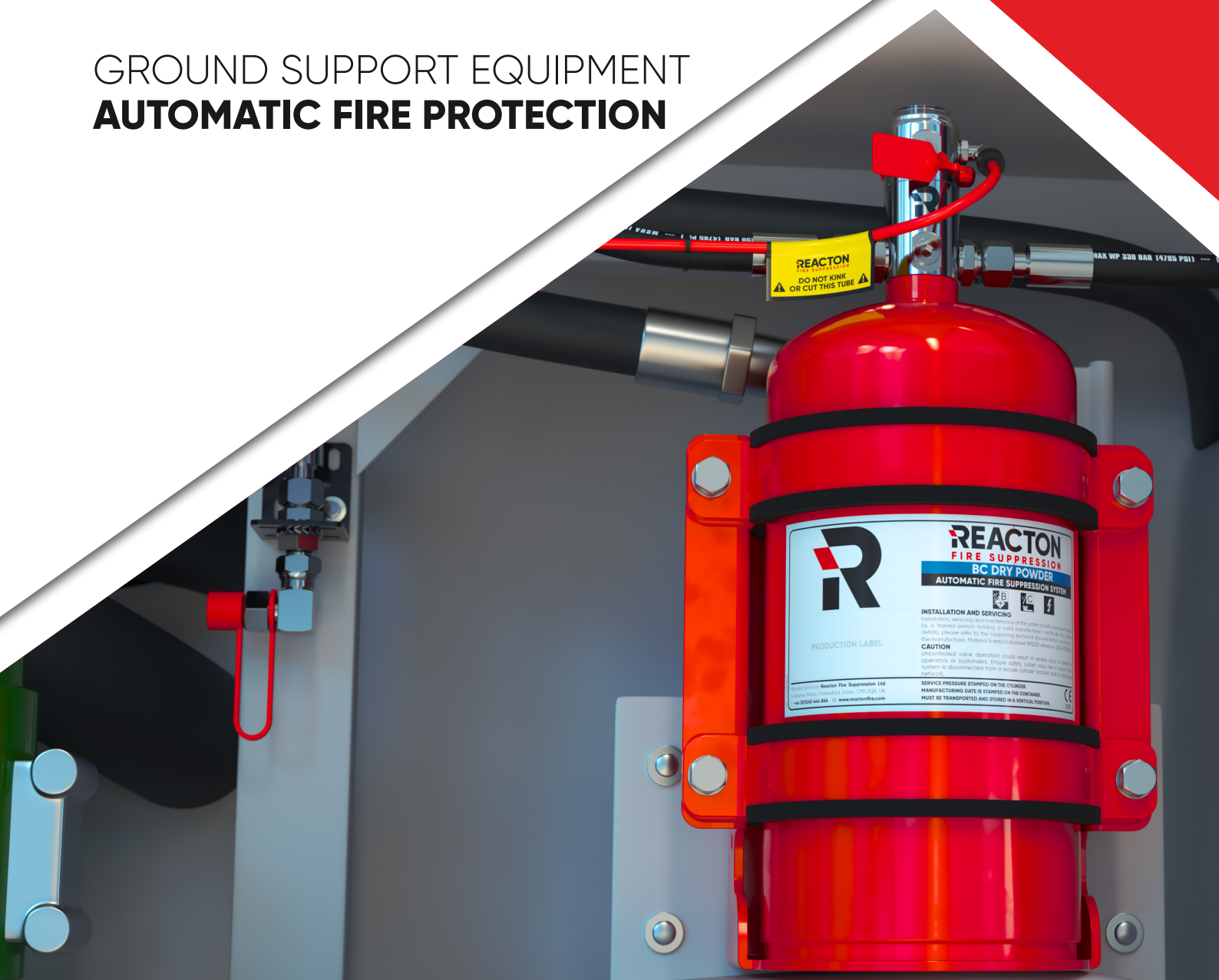


# REACTON

FIRE SUPPRESSION

## GROUND SUPPORT EQUIPMENT AUTOMATIC FIRE PROTECTION



PROTECTING **YOUR FUTURE**, TODAY.



# WHY DOES GROUND SUPPORT EQUIPMENT NEED FIRE PROTECTION?

Fires in ground support equipment are extremely high risk and have devastating consequences when they break out. Ground support equipment serves critical purposes, the logistics involved in supporting an airport are strict and any disruptions to these operations will have an immediate impact. Engine compartments are vulnerable areas in any vehicle, this risk is increased when a vehicle serves vital importance whilst still posing a serious threat to life. Tugs, baggage tugs, deicing machines, ground power units and buses all serve their respective duties for an airport. In the event of a fire, this equipment can be destroyed.

The danger of a fire breaking out on ground support equipment lies not only in the fact that the vehicle may be destroyed (halting operations) but also in the fact that the fire can and will spread to surrounding equipment. This drastically increases the threat to life and can lead to the most severe damage and destruction of various equipment.

## APPLICATIONS AND **RISK AREAS:**

- ❖ Pushback tractors - **Situated underneath the cockpit**, causing a threat to the plane
- ❖ Baggage tugs - Require complex hydraulics which can spray **flammable hydraulic fluids**
- ❖ Buses - **Build up of dust and debris** leads to high risk of engine fire breaking out
- ❖ Container loaders - Also have **complex hydraulic systems** which are a fire hazard
- ❖ Cargo tractors - The engine compartment is the highest risk area with the **turbos and hydraulic system**

## 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**

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 has already been 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 BC Dry Powder

## INDIRECT VALVE

Made in Britain, high-quality stainless steel material, born of years of research and development

## DISCHARGE HOSES

Extinguishing agent travels via discharge hose to nozzles

## DRY POWDER

BC Dry Powder, contains no ammonium phosphate. Ideally suited for Class B & C Fires and is ideally suited for airside applications

Reacton's UL-approved detection tube will burst which activates the system. The dry powder and wet chemical agents are released through the discharge hoses through the 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

