

# REACTON

FIRE SUPPRESSION

FUME CABINET  
AUTOMATIC FIRE PROTECTION



PROTECTING **YOUR FUTURE**, TODAY.



# WHY DO FUME CABINETS NEED FIRE PROTECTION?

Fires in fume cabinets are common and extremely high risk. The functionality of a fume cabinet and the substances it deals with makes them vulnerable to fires. For example, handling various gasses, vapours and fumes that could be infectious, corrosive or toxic.

In the event of a fire, the consequences could be disastrous with the damage caused and the potential threat to life. Reacton provides fume cabinet protection in a variety of sizes with different extinguishing agents available to suit your specific needs. The chemicals and the materials that you use in your fume cabinet will impact the choice of extinguishing agent.

Our team of experts do not compromise on any asset that requires protection, including fume cabinets which have their dangers. With this in mind, we provide total support to ensure that your fume cabinets have the best-suited and highest-quality fire suppression systems available.

## MOST COMMON CAUSES OF FUME CABINET FIRES:

- ❖ Excess debris - leads to a build-up which **will over-heat and ignite**
- ❖ Human Error - increased **threat to human life**
- ❖ Outdated Infrastructure - **failure to use a safer cabinet** with improved safety measures
- ❖ Incorrect material usage - can start a devastating fire due to the **combination of incorrect chemicals**
- ❖ Lack of maintenance - leads to excess debris and **mistreatment of hazardous materials**

## 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.



# CLEAN AGENT FIRE PROTECTION:

## NOZZLES

Clean agent nozzles, release the extinguishing agent

## DISCHARGE HOSES

Extinguishing agent travels via discharge hose to nozzles

## INDIRECT VALVE

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

## CLEAN AGENT

Zero clean-up, highly reliable extinguishing properties, environmentally friendly

## DETECTION TUBE

UL-Approved, bursts when a fire is detected, triggers activation of system

## END OF LINE GAUGE

Shows system pressure

## MANUAL ACTUATOR

Activate the system manually, optional safety extra, requires human intervention

Reacton's UL-approved detection tube will burst which activates the system. The clean agent is released through the discharge hoses through the nozzles to combat the fire rapidly and effectively, ensuring that reignition is prevented. Our fume cabinet protection systems utilise a range of specialist extinguishing agents including ABC Dry Powder, BC Dry Powder and 3M™ Novec™ 1230.

ABC Dry Powder and BC Dry Powder provide rapid knockdown capabilities and are highly effective in enclosed spaces such as fume cabinets. 3M™ Novec™ 1230 is an environmentally friendly clean agent which leaves no residue, providing zero clean-up with excellent fire extinguishing capabilities.

# ADDITIONAL SAFETY FEATURES:

## MANUAL ACTUATOR



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

## SOUNDER BEACON



Provides an audible and visual indication that the system has been activated.

## PRESSURE SWITCH



Provides ultimate reliability for all of your monitoring requirements and connection to building management system.

## PRODUCTS:

### *Gaseous Suppression*



Inert Gas (IG-01, IG-55, IG-100, IG-541)  
Novec 1230™ Fluid (FK-5-1-12)  
FM-200® (HFC-227ea.)  
Carbon Dioxide (CO<sub>2</sub>)  
Hybrid Systems (N<sub>2</sub> / Water)  
Pressure Relief Vents  
Enclosure Integrity Testing Equipment  
Pipe & Fittings

### *Water Suppression*



Water Mist - High Pressure  
Water Mist - Intermediate Pressure  
Water Mist - Low Pressure  
Hybrid Systems (Water / N<sub>2</sub>)  
Monitors & Delivery Systems  
High Speed Deluge

### *Foam Suppression*



Foam Concentrates  
Foam Proportioning  
Foam Delivery Systems  
Compressed Air Foam  
Foam Concentrate Testing

### *Explosion Protection*



Explosion Suppression  
Explosion Isolation  
Explosion Vents & Pressure Relief  
Spark Suppression  
Explosibility Testing

### *Fire Detection*



Linear Heat Detection - Digital  
Linear Heat Detection - Fibre Optic  
Linear Heat Detection - Micro Chip  
Flame Detection  
Video Imaging Detection  
Spark Detection  
Control & Indicating Equipment  
Thermal Imaging Detection  
Aspirating Smoke Detection

### *Military & Defence*



Military Vehicles  
Naval Vessels

### *Special Applications*



Micro Environment  
Oxygen Reduction  
Kitchen Protection Systems  
Dry Chemical  
Vehicle Systems  
Marine & Offshore  
Vapour Mitigation  
Li-Ion Fire Systems

### *Support Services*



Design / Engineering  
Technical Support  
Services & Testing

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**'Every solution for your special hazard problems'**