



FOT[®] **FIRE CONTROL**

FOT-200 GAS SUPPRESSION SYSTEM | FOT-1230 SUPPRESSION SYSTEM | FOT-INERT IG55, FOT-IG541
FOT-CO2 SUPPRESSION SYSTEM | AEROFOT FIRE SUPPRESSION | FOT PORTABLE FIRE EXTINGUISHER

...excellence in fire suppression



FOT-200 (HFC227ea)

FOT 200 (HFC227ea) systems are accepted as providing reliable and effective fire protection solutions for high value assets, processes and locations, as well as the people who work in these protected areas

Our HFC 227ea Clean Agent is UL recognised, colorless, odorless, non-contaminating gaseous fire protection agent. Electrically non-conductive, FOT-200 works by removing heat from a fire so that combustion cannot be sustained. The decision to use FOT-200 can be based on a number of key factors: it is the most widely used of the chemical replacements for Halon 1301 and it is an agent that has been used to successfully protect tens of thousands of high-technology facilities in 70 countries around the world.

Extensively tested, FOT-200 systems are proven safe for use in occupied areas. They are designed using bespoke software, which accurately calculates the amount of agent required for the protected space. The target concentration of agent in an identified protected volume is matched to international standards, which themselves are the result of extensive and repeated fire tests, to match design to fire protection performance.

The FOT-200 (HFC-227ea) Hydraulic Flow Clean Agent Fire Suppression System is designed to deliver FOT-200 agent. The system consists of a super-pressurized FOT-200 agent in its container to enhance the discharge of the agent. The additional nitrogen supplied prevents a rapid decline of pressure within the FOT-200 container and allows for the FOT-200 agent to travel over a longer distance/pipe length..

Key features of the system include:

Discharges FOT-200 agent in a nominal 10 seconds over distances of more than 100 meters

Protection of multiple hazards from a single container location

Designed to help protect critical assets and processes

Safe to use in occupied areas



FOT-200





FOT-1230 (FK-5-1-12)

*is an environmentally friendly
clean agent system,
and the solution of choice for
protecting people
and high value assets.*



Almost every aspect of modern life has a direct or indirect effect on the environment. With increasing demand for awareness and action regarding environmental issues, FOT-1230 systems help reduce environmental impact. FOT-1230 has zero ozone depletion potential (ODP) and negligible global warming potential (GWP). The atmospheric lifetime of FOT-1230 is between three and five days making our systems an ideal solution without compromising the environment.

FOT-1230 systems are ideal for use in occupied spaces. Independent toxicity studies have established that FOT-1230 is very low in both acute and chronic toxicity with high safety margins between its normal use concentrations and the No Observable Adverse Effect Level (NOAEL).

FOT-1230 systems work fast and are designed to rapidly absorb heat to the point where combustion ceases. Once actuated, the system deliver the extinguishant within 10 seconds, stopping fires before they have the chance to spread. Most importantly when a fire is suppressed quickly, the result is less damage, lower refurbishment costs and reduced downtime.

Key features of the system include

Discharges FOT-1230 agent in a nominal 10 seconds

Protection of multiple hazards from a single container location

Designed to help protect critical assets and processes

Safe to use in occupied areas

FOT1230

FOT-INERT SYSTEMS – 150-BAR & 200-BAR

The use of FOTinert® gases is a proven method for suppressing fire, using naturally occurring gases (nitrogen, argon, and carbon dioxide) in areas where people may be present or where valuable or sensitive assets could be damaged by conventional agents.

During a typical inert gas system discharge, a peak pressure and flow spike occurs. It is these peaks that are used to determine the pipe size specification and venting requirements.

The FOTinert® flow system eliminates this pressure spike by providing a controlled flow during discharge. This allows for the use of smaller diameter, low pressure piping and reduced pressure relief venting requirements.

FOTinert® agent enters the protected room within the industry required 60 seconds but at a steady flow rate – preventing destructive turbulence from occurring

FOTInert Gas is a colorless, odorless, electrically nonconductive gas with a density approximately the same as air. Inert Gas is stored as pressurized gas within the cylinder assembly. When discharged into a protected space, it is clear and does not obscure vision. It leaves no residue and has zero ozone depleting potential and zero global warming potential.

FOTinert® Gas Fire Suppression Options

To safely protect applications with inert gas fire suppression solutions, FOTinert® is available in the following configurations:

- FOT-IG-55 Fire Suppression System: 5N2 5Ar
- FOT-IG-541 Fire Suppression System: 5N2 4Ar 1CO2
- FOT-IG-100 Fire Suppression System: 1N2 100 percent
- FOT-IG-01 Fire Suppression System: 1Ar 100 percent

Inergen fire suppression is often used in:

- Laboratories
- Telecommunication rooms
- Computer & server environments
- Control rooms
- Archives

FOT-INERT



FOT-HIGH PRESSURE CO2 FIRE SUPPRESSION SYSTEM



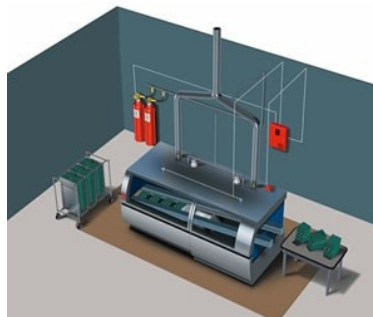
Carbon Dioxide systems have been used in fire protection for over 100 years. FOT- High Pressure Carbon Dioxide (CO2) Systems are especially effective for non-occupied hazards. Whatever the application, from cylinders to nozzle, each system is custom-designed for your specific fire hazards.

High pressure systems use individual storage cylinders that can be manifolded together for rapid simultaneous discharge. Cylinders valves can be operated automatically or manually and either locally or remotely using electric, pneumatic or mechanical actuators.

CO2 is the only gaseous agent where the design rules specifically provide guidance on the protection of deep seated hazards. Total flooding or local application systems are designed to meet the requirements of NFPA 12, BS5306-4, CEA4007 or ISO6183 and are specifically designed using hydraulic flow calculation software.

The system components meet the requirements of EN12094 and Pressure Equipment Directive (PED).

To help ensure safety, all personnel must be trained to the safety and operational aspects of the Co2system.



Advantages

- Non-corrosive
- Non Conductive
- Zero Ozone Depletion
- Zero Global Warming (as fire suppression CO2 is not taken from a fossil fuel)
- Easily distributed
- Co2 can be used as a common bank arrangement with diverter/distribution valves directing it to multiple enclosures



AeroFOT[®]

Fire Suppression



AeroFOT aerosol generators use the same actuation methods as other special hazard fire systems:

- simple manual release,
- automatic thermal release, or
- sophisticated electronic detection and control

Compatibility with many manufacturers' agent release panels means AeroFOT fire suppression can integrate into networks for central reporting or to mass notification systems per NFPA 72 National Fire Alarm and Signaling Code.

EXCELLENCE IN FIRE SUPPRESSIONS



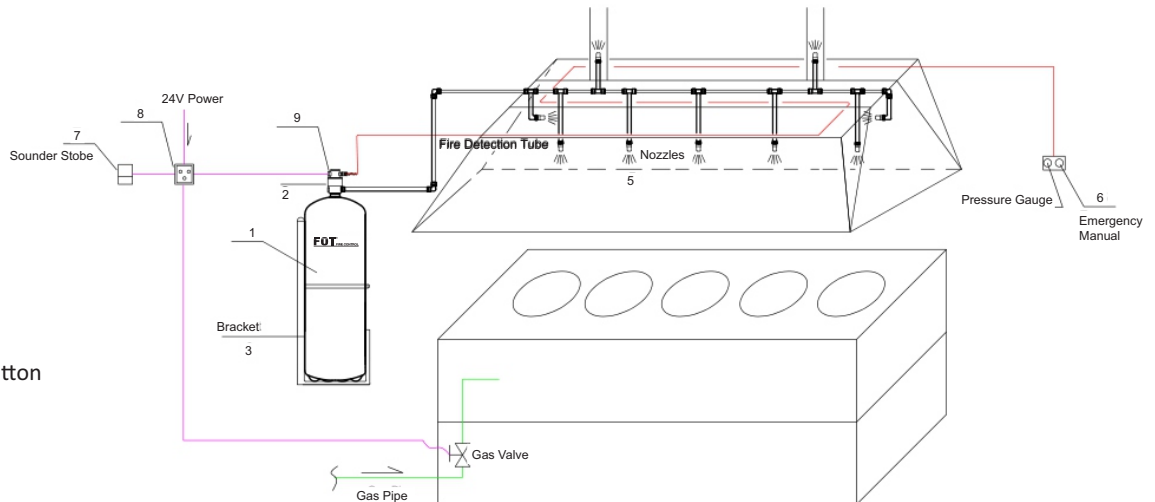
FOT[®] FIRE CONTROL

WET CHEMICAL AUTOMATIC KITCHEN FIRE SUPPRESSION SYSTEM

FOT kitchen fire suppression systems have been specifically designed to protect home/commercial kitchen and put out cooking fires caused by grease or grease-laden vapors (class F or class K fire) quickly and efficiently.

These self contained pneumatic systems require no external energy or power supply. Upon flame impingement or heat, the pressurised detection tubing will burst and activate the cylinder valve to open and release the extinguishing agent.

FOT kitchen fire suppression systems are specifically designed to extinguish fires fueled by grease and in a kitchen environment. They use wet chemicals in a fine mist to quickly extinguish fires and offer a quicker clean-up than dry chemicals.



1. System Tank
2. Automatic Head Valve
3. Bracket
4. Discharge Pipe
5. Nozzles
6. Emergency Manual Button
7. Sounder Stobe
8. Control Panel
9. Pressure Switch

FOT-Portable Fire Extinguisher – RANGES



ABC or multipurpose fire extinguishers are the most multi-functional extinguishers capable of extinguishing Class A and B fires as well as those involving gas or electrical equipment. The full range achieved a higher fire rating compared to standard requirements which means that per extinguisher coverage is wider than a standard extinguisher.

Effective suppression for class A, B, C & E fires

Non-conductive of electricity

Fast Knock out effect

Available in 6kg, 9kg and 50kg (wheel)



It is designed for fixed automatic protection. Suitable for Class A, B, C fire risks and electrical fires. The 6kg automatic extinguisher will protect an area up to 20 cubic meters and 12kg will protect up to 40 cubic meters.

Effective suppression for class A, B, C & E fires.

Non-conductive of electricity.

Fast knock out effect.

Available in 6kg and 12kg.



Carbon Dioxide fire extinguishers are used on or near electrical equipment because they leave no mess and do not cause any damage. They are effective on class B, C and E fires.

Effective suppression for class B,C &E fires
 Non-conductive of electricity
 High pressure hardware
 Used for clean area only
 Available in 3kg, 5kg, 9kg (wheel) and 50kg (wheel)



Foam Stored Pressure Extinguisher [Cream Color Band]

Eco-friendly foam fire extinguisher utilizes the best foam SC-1 in its class. It is very effective on class A and B fires. SC-1 has an ability to form aqueous film which flows quickly over water insoluble hydrocarbon fuel surfaces causing rapid fire extinguishment and vapor suppression for class B fires.

Effective suppression for class A and B fires (hydrocarbon fires)
 Not applicable for fires involving live electrical equipment
 Widely used for class B fires protection such as paint shop, diesel storage, Petrol tank
 Available in 6kg, 9kg, 25kg (wheel) and 50kg (wheel)



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