

ISS-CG2

Gaseous Fire Extinguishing Systems

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- Fast, effective fire protection for critical assets & processes
- LPCB international approval
- Tried & trusted technology
- Clean & safe solutions



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Gaseous Fire Extinguishing Systems

fast, clean & safe fire protection

ISS-CG2 systems are internationally 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.

Electrically non-conductive, CG2 works by removing heat from a fire so that combustion cannot be sustained, its unique characteristics also chemically inhibit re-ignition. When it comes to being safe for use, CG2 delivers, which is why ISS CG2 systems are approved by LPCB ; the best solution where personnel safety and process continuity are paramount.

The decision to use ISS CG2 can be based on

a number of key factors: it is the most successful 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 centres around the world. At the latest count, it has been entrusted to safeguard over one hundred thousand applications in more than 70 countries. Its use as a fire suppressant is not inhibited either by the Montreal Protocol or the Kyoto Protocol. Indeed, it is a clean agent that belongs to a class of compounds that was introduced specifically to facilitate the phase-out of ozone depleting gases, such as the now-banned Halon 1301.

At its design concentration, CG2 does not sufficiently deplete the oxygen level to a point where it is unsafe for occupants to remain in the room. Following a fire, the gas may be dispersed through natural

benefits

- Colourless, odourless, non-contaminating gaseous fire protection
- Designed to protect critical assets and processes without damaging them
- Safe to use in occupied areas
- Proven in thousands of successful installations around the world
- ISS quality & technical/ service support

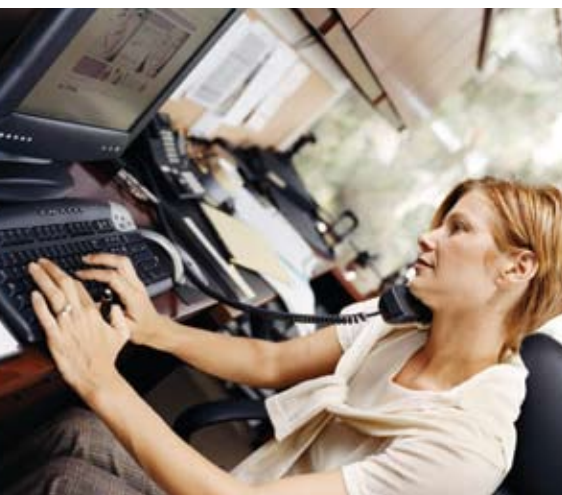


ventilation, which is made possible by CG2 freedom from any toxic side effects and – because it contains neither bromine nor chlorine, it has zero ozone depletion characteristics.

ISS CG2 agent is stored in cylinders as a liquid, pressurised with nitrogen so requiring only a very small storage 'footprint'.

applications

- Computer suites & data centres
- Gas turbine enclosures
- Offshore oil/gas exploration & production facilities
- Telecommunications centres
- Power generation
- Marine
- Museums, archives & data storage





The discharged gas flows through a piping network into the protected area, where it is applied to extinguish the fire, initially largely through heat absorption.

Significantly, there is no risk of thermal shock damage to delicate electronic equipment and CG2 is electrically non-conductive and non-corrosive. Additionally, it leaves no oily residue or deposits to damage software, data files or communications equipment, meaning post-discharge clean up time and costs are minimal.

Being a good neighbour

Everything we do has some kind of environmental impact, from switching on the air conditioner to starting up the car. However, ISS CG2 was created in response to the need to find an effective new agent to replace ozone-depleting Halon fire suppressants. It has very little environmental impact and does not harm the earth's ozone layer.





CG2-Proven in thousands of successful installations worldwide

Protecting your most valuable asset

People are the lifeblood of any business, and their protection is vital.

Extensively tested and studied, ISS CG2 is proven safe for use in occupied, protected areas. ISS CG2 systems are designed using bespoke software, which accurately calculates the amount of CG2 required for the protected space. The target concentration (CG2 in an identified protected volume) is matched to international third party approvals, which themselves are the result of extensive and repeated fire tests, to match design to fire protection performance.



CG2 Gaseous Fire Extinguishing Systems are manufactured by:

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