

FM-200[®]

*Gaseous Fire
Extinguishing Systems*

GIELLE[™]
INDUSTRIES



- ▶ **Fast, effective fire protection for critical assets & processes**
- ▶ **Full list of international approvals**
- ▶ **Tried & trusted technology**
- ▶ **Clean & safe solutions**

FM-200®

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
- ▶ Gielle quality & technical/service support

Applications

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

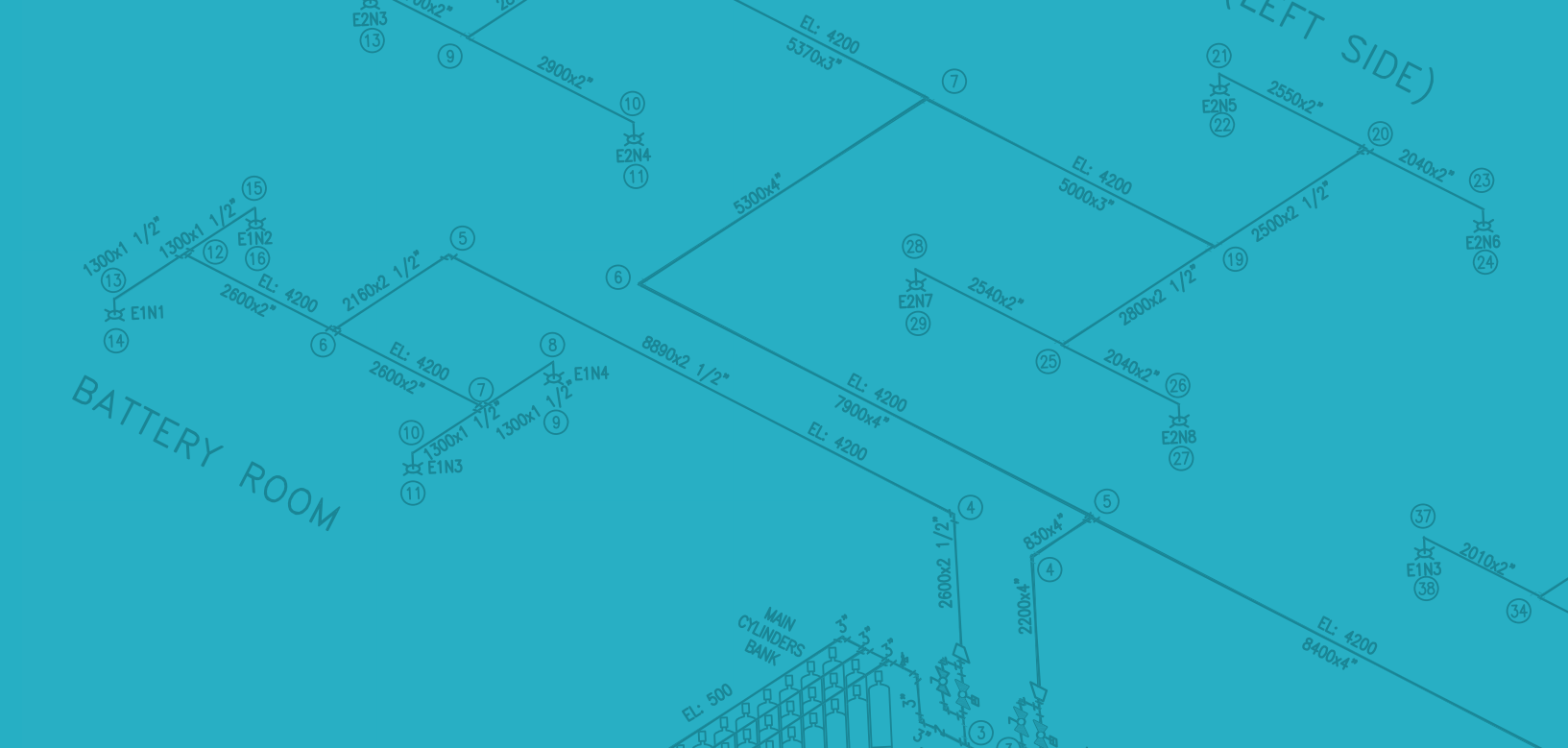
Gaseous Fire Extinguishing Systems fast, clean & safe fire protection

Gielle FM-200® 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, FM-200 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, FM-200 delivers, which is why Gielle FM-200 systems are approved by LPCB and UL; the best solution where personnel safety and process continuity are paramount. The decision to use Gielle FM-200 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, FM-200 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 ventilation, which is made possible by FM-200's freedom from any toxic side effects and – because it contains neither bromine nor chlorine, it has zero ozone depletion characteristics. Gielle FM-200 agent is stored in cylinders as a liquid, pressurised with nitrogen so requiring only a very small storage 'footprint'.





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 FM-200 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, Gielle FM-200 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.



www.fm200.biz

GIELLE™

Fire Suppression Systems

FM-200®

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, Gielle FM-200 is proven safe for use in occupied, protected areas. Gielle FM-200 systems are designed using bespoke software, which accurately calculates the amount of FM-200 required for the protected space. The target concentration (FM-200 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.

www.giellefire.com



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