

Sustainable active fire protection



Inert Clean Agent FSL Inertech IG-55 · IG-541 · IG-100 · IG-01

Inert gases make up our atmosphere. Inert fire suppression systems are simply air without oxygen.

Inert systems are fast acting fire extinguishing solutions, which are environmentally neutral and safe for occupied areas.

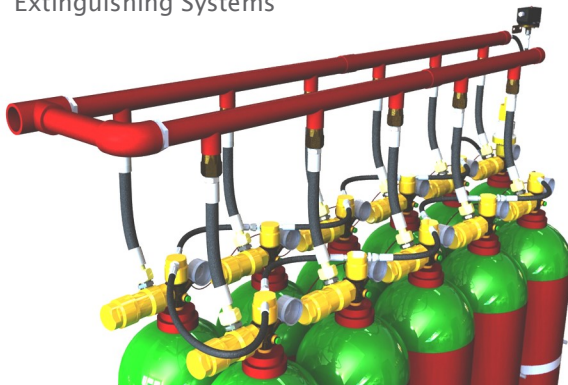
The FSL Inert system has been tested and approved by regulatory bodies and is effective against fires involving almost all combustible materials and flammable liquids. Systems are designed and configured to meet both customer specifications and design, installation and maintenance standards:

EN 15004 Fixed Fire Fighting Systems -Gas Extinguishing Systems

ISO 14520 Gaseous Fire Extinguishing Systems - Physical Properties and System Design

NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems

LPCB: LPS 1230: Issue 1.2 Requirements For Fire Testing of Fixed Gaseous Fire Extinguishing Systems



Flexible solutions for fire suppression

Why choose FSL Inertech?

- Safe for occupied areas
- Environmentally neutral—zero Ozone Depleting Potential and zero Global Warming Potential
- Fast acting and effective against nearly all fire hazards, optimised for 60 and 120 second discharge
- All four gases can be used with the same FSL Inert hardware: IG-55, IG-541, IG-100 & IG-01
- No post fire residues or damage to protected equipment
- Minimum downtime and business disruption
- Reduced noise turbulence, non-corrosive and electrically non-conductive

Why choose FSL?

- FSL are dedicated to supporting distributors
- FSL offer world wide availability
- FSL have extensive system design experience - value engineering to minimise system costs
- FSL are independent
- FSL are the only distributor of Inertech systems
- FSL products and systems have full international Component and System Approvals



A REAL ALTERNATIVE

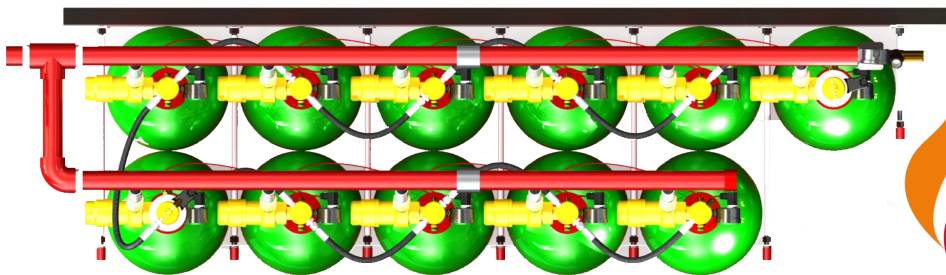


Training is available on all FSL systems and can be tailored to suit your requirements.

enquiry@firetec-systems.com

Other FSL Products Include:

- HFC227ea / FM-200®
- 3M™ Novec™ 1230
- Detection & Alarm
- Air Sampling



FSL

The Business Centre
Unit 6, Molly Millars Lane
Wokingham, Berkshire
RG41 2QZ UK

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www.firetec-systems.com

A NITIN GROUP COMPANY



Assessed to ISO 9001:2008
LPCB Cert No: 1222

FIRE PROTECTION PROVEN EXCELLENCE

FSL (Firetec Systems Limited) was formed to provide an independent global source of Fire Extinguishing technology. As a manufacturer of internationally approved products, FSL provides a unique level of service to its customers.

A full range of gaseous extinguishing systems enables us to satisfy the needs of the client from one recognised source. Gaseous systems include the fully approved hardware for Novec 1230 and HFC-227ea at 25– 42 bar and IG55, IG541, IG100, IG01 at 200 and 300 bar. Proof of the quality offered is evident from the UK LPCB/BRE, French A2P, EU CPR/CE and the newly obtained UKCA Certification which verifies the performance and quality during component and system testing and is continuously monitored by regular audits. FSL are fully committed to quality and service.

We believe in supporting the development of our qualified distributors with exclusive technical and commercial training. We provide a wide range of distributor courses and OEM programs which are designed to create local centres of excellence.

SYSTEM DESIGN

Systems are engineered to give effective discharge of extinguishant into the risk area. Comprehensive gaseous system design calculations are undertaken using internationally recognised Vds (Vertauen durch Sicherheit) calculation programs.

The Firetec approved systems are designed and configured to meet client specifications and the required design installation and maintenance standards:

EN15004 Fixed fire fighting systems - Gas extinguishing systems.

ISO14520 Gaseous fire extinguishing systems - Physical properties and design.

NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems.

Systems available from your local Distributor



Fire Industry Association

3M

Approved OEM
Fire Protection Products



Fire Industry Association-Full member
BRE/LBCB ISO 9001:2015 C1222
BRE/LPCB LPS1230 C1222a-03
BRE/LPCB Gas Components C1222b-03
BRE/LPCB Gas Components C1222c-03
BRE/LPCB Gas Components C1222d-03
BRE/LPCB Gas Components C1222f-03
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EXCEPTIONAL LEVELS OF SERVICE A TOTAL SOLUTION FOR CRITICAL FIRE RISKS

- ◆ Dedicated to the technical support of our distributors
 - ◆ Extensive system design experience
 - ◆ Independent supplier
 - ◆ LPCB full system approval
 - ◆ CE & UKCA Marked products
 - ◆ LPCB, CE & UKCA Component Approvals
 - ◆ World wide availability
 - ◆ Full service to the Fire Trade
 - ◆ Local experts provide full design, Installation and maintenance
- FSL approved systems are the correct choice for business critical areas such as data centres, computer server rooms, telecoms rooms, electrical switchgear rooms and other vulnerable areas where fast protection without water damage is essential.
- These systems are ideal for the protection of irreplaceable items.
- ◆ Total flooding of the entire space provides total protection
 - ◆ Electrically non conductive
 - ◆ Safe for protecting occupied spaces
 - ◆ Efficient storage to minimise floor space and weight
 - ◆ Safe and suitable for EN Class A, B, Electrical Fires and NFPA Class A, B. and C
 - ◆ Maximum protection with the minimum hardware
 - ◆ The extinguishant disperses throughout the whole space and penetrates cabinets and obstructed areas providing total protection

FSL 1230 gaseous extinguishing systems use 3M™ Novec 1230™ fire protection fluid at 25 & 42 bar.

FSL 1230 is an LPCB (Loss Prevention Certification Board) certified system. With LBCB & CE approved Components.

TPED Containers available in 15, 30, 50, 80, 120, 150 & 180 litre sizing.

FSL 1230™ Is not subject to HFC phasedown (F-GAS) under any global regulatory body and is:

- ◆ Safe for use in occupied space
- ◆ Electrically non-conductive
- ◆ Recognised by international standards such as NFPA 2001 and ISO 14520
- ◆ Able to extinguish the fire at the incipient stage
- ◆ Residue-free

TESTED & APPROVED

LPCB Approval

CE Marked

UKCA Marked

Pressure vessels TPED certified and fully compliant with European and International codes.

READY MADE SOLUTIONS

Hardware always available

Full container size range

Flexible actuation

TRAINING & SUPPORT

Distributor support

Specification & calculations

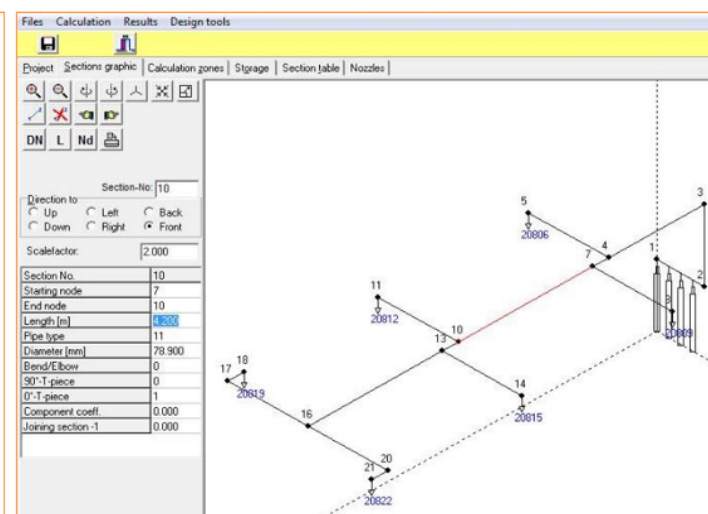
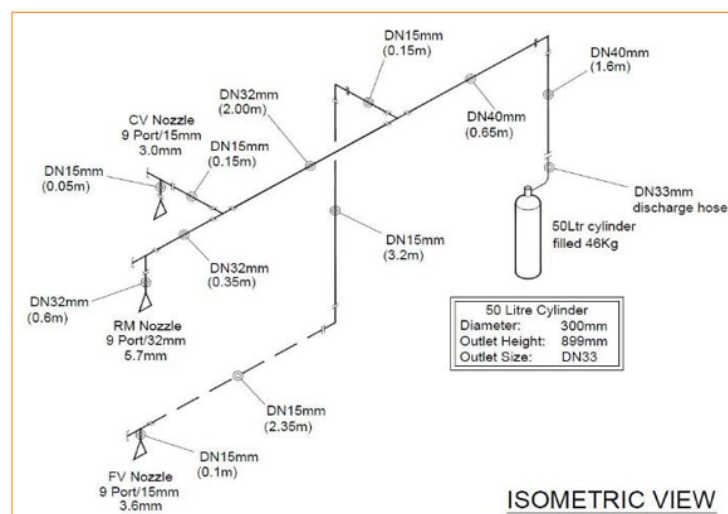
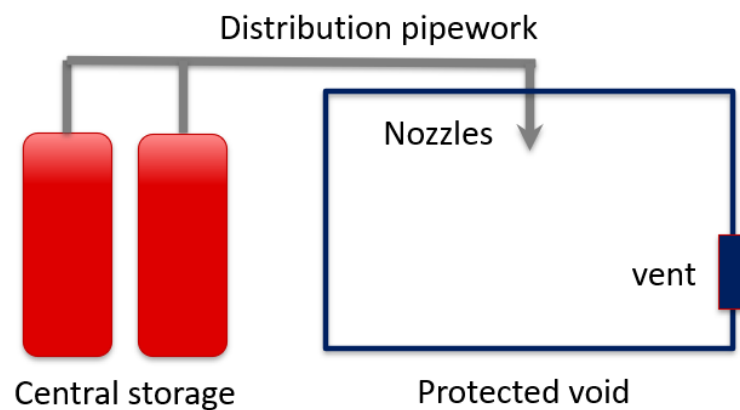
Local filling and recharge

Easily configured

3M
Novec
Brand

3M™ Novec 1230™ fire protection fluid uses sustainable long term technology that satisfies today's regulations, and is future proofed and supported by 3M's '**Blue Sky Warranty**'. (ask for more details).

The properties of this revolutionary fire extinguishing agent provide an unprecedented low atmospheric lifetime and high safety levels in occupied spaces.



www.firetec-systems.com

**Gaseous
Extinguishing
Systems**

3M
**Approved OEM
Fire Protection Products**



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THE BENEFITS OF A PRESSURE CONTROLLED DISCHARGE

- ◆ Full system approved by the LPCB & A2P
- ◆ Benefits doubled with 120 second discharge
- ◆ Reduced pipework costs
- ◆ Reduced over pressure venting area
- ◆ Reduced discharge noise
- ◆ Perfect for extending systems
- ◆ Smaller nozzles

EXCEPTIONAL LEVELS OF SERVICE

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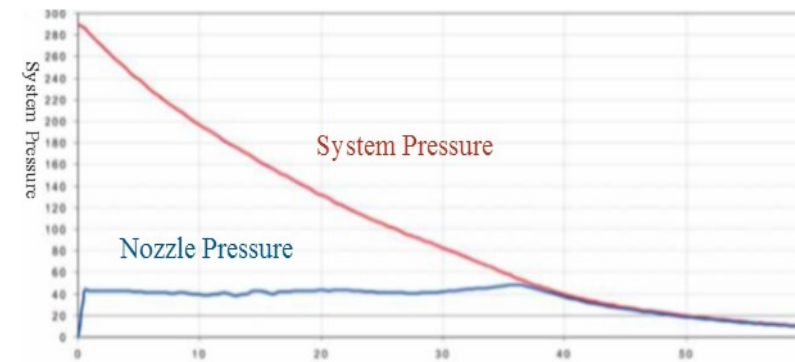
INERTECH™



FULL SYSTEM PACKAGE

- ◆ 200 or 300 bar cylinders
- ◆ Pressure monitoring gauge and low pressure switch as standard
- ◆ Up to 80 cylinders may be operated from a single solenoid actuator mounted on the master cylinder
- ◆ Cylinders can be banked in single, double and triple rows for a compact installation footprint
- ◆ Single or multiple zone protection is available from a single cylinder bank
- ◆ Diverter valves are driven from the discharge manifold avoiding additional pilot cylinders and valves
- ◆ Nozzles may be pendant or side wall mounted for ease of installation
- ◆ Flow calculation software from VdS for reliable system design

PRESSURE CONTROLLED DISCHARGE



A TOTAL SOLUTION FOR CRITICAL FIRE RISKS

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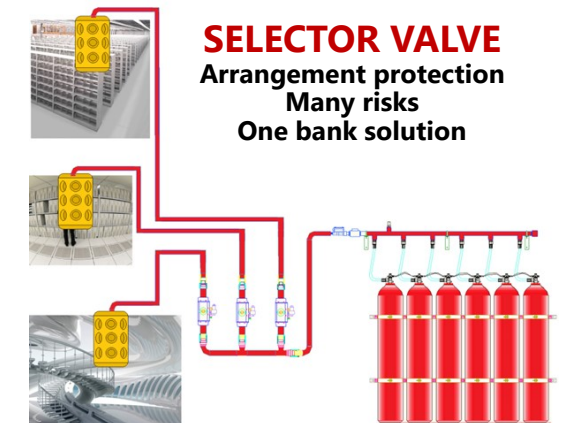
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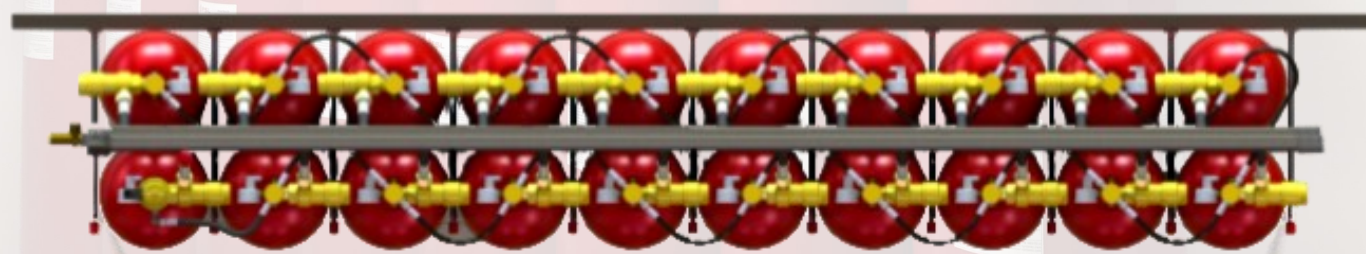


SELECTOR VALVE
Arrangement protection
Many risks
One bank solution

LOW NOISE NOZZLES



STANDARD DISCHARGE NOZZLE



COMPACT FOOTPRINT, EASY INSTALL, FLEXIBLE ACTUATION



TRAINING & SUPPORT

Distributor support

Specification & calculations

Local filling and recharge

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