

GIELLETM

INDUSTRIES

GL-1230

Fire Protection Systems

delivering 3MTM NovecTM 1230 Fire Protection Fluid

environmentally
friendly
fire extinguishing
systems



Fire Extinguishing Systems for what's precious to you



high performance

Long term, sustainable
protection for high value
assets - your life, your
business, your world..

Gielle GL-1230™ Systems, using 3M™ Novec™ 1230 Fire Protection Fluid have emerged as the solution of choice for fire extinguishing systems to protect high value assets and processes. GL-1230 is a clean agent system which is proven to be environmentally friendly.

Gielle GL-1230 Warranty

To reassure users that GL-1230 systems are now and will continue to be environmentally friendly, every GL-1230 installation now carries a 20-year environmental warranty

For details of the warranty please ask your approved Gielle distributor or contact Gielle at the address on this brochure.

Today's need is for a fastextinguishing, sustainable, clean agent – free of any ozone depletion potential and with the lowest possible emission of “greenhouse gases” – that can be used in occupied spaces. Novec 1230 fluid, delivered by GL-1230 fixed systems from Gielle, meets this demanding profile, precisely

benefits

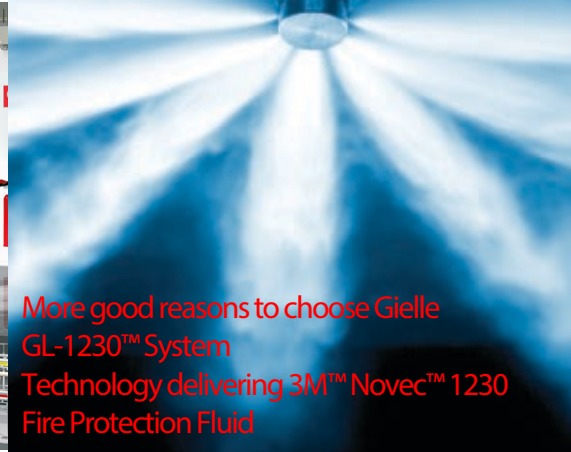
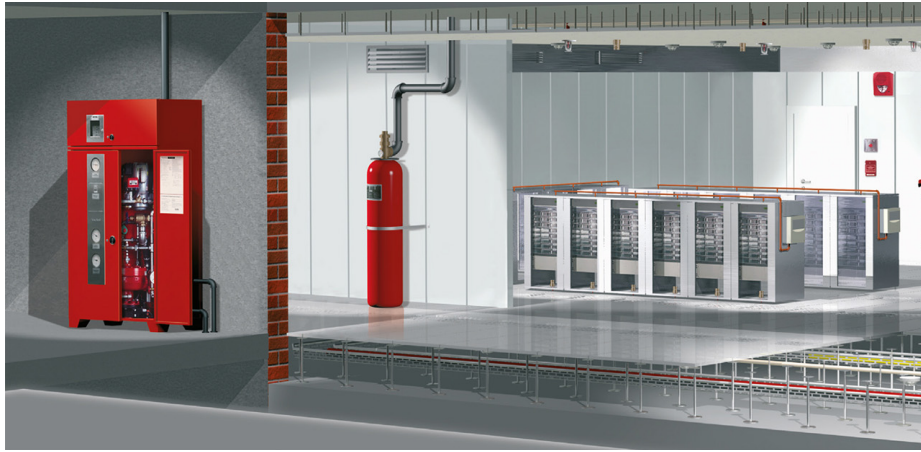
- GL-1230 Systems are custom engineered for Novec 1230
- Zero ozone depletion potential
- Global warming potential of one
- Clear, colourless, low-odour agent
- Simple to refill
- Discharges within 10 seconds

It complies with all statutory requirements, both current and anticipated. Crucially, GL-1230 Fire Extinguishing Systems are designed specifically for Novec 1230, the efficacy of which has been demonstrated by independently witnessed fire tests.

It is listed as “acceptable without restrictions” by the US Environmental Protection Agency’s Significant New Alternatives Policy (SNAP) and is registered under Europe’s ELINCS scheme. The GL-1230 system has been approved by LPCB, UL and FM, all major marine classification societies and is included in EN15004, NFPA 2001 and ISO 14520. Compare its properties with those of other chemical extinguishing agents – see chart opposite – and you will appreciate why GL-1230 Fire Extinguishing Systems provide the best long term solution to protect what really matters to you.

applications

- Telecommunications sites
- Computer centres
- Museums and archives
- Oil and gas industry sites
- Power generation installations
- Civil and military marine
- Rail and mass transit



More good reasons to choose Gielle
 GL-1230™ System
 Technology delivering 3M™ Novec™ 1230
 Fire Protection Fluid

Fast acting protection

Gielle GL-1230 Systems using Novec 1230 fluid are designed to work fast, rapidly absorbing heat to the point where combustion ceases. Once actuated, Gielle GL-1230 systems deliver the extinguishing within 10 seconds, stopping Class A, B and C fires before they have chance to spread. When fire is extinguished this quickly, the result is less damage, lower refurbishment costs and reduced downtime.

with an extremely high safety margin the difference between the extinguishing design concentration and the No Observable Adverse Effect Level (NOAEL), making GL-1230 fluid an extremely safe extinguishing solution for occupied areas. Typical applications span computer centres, telecommunications installations, oil and gas exploration sites as well as trains and ships, both commercial and military.

Neighbourly protection

Almost everything we do has some impact on the environment, from switching on the air conditioner to starting the car. But Novec systems are different as the agent has zero ozone depletion potential and a global warming potential of just one, with an atmospheric lifetime of between three and five days, making Novec agent environmentally friendly, with minimal impact.

System recharging

El llenado y la recarga de sistemas Sapphire son procesos sencillos, dado que el elevado punto de ebullición de 49 °C significa que el agente puede ser transportado en bidones ligeros en lugar de en recipientes de presión; incluso el transporte aéreo es una opción factible para los recipientes de Novec sin presurizar, sin tener que incurrir en el costoso transporte de materias peligrosas.

Playing safe

Toxicity testing shows Novec 1230 fluid to be safe for use in occupied areas. Studies conducted in independent laboratories demonstrated that the agent is very low in both acute and chronic toxicity,

Low pressure technology

Gielle GL-1230 systems operate at 25 bars and have been proven to achieve homogeneous distribution at this pressure resulting in the award of key internationally recognised approvals..



Properties

	Gielle/Novec 1230 HFC 125	Halón 1301
Ozone depletion potential (ODP)	0,0	12,0
Global warming potential	1	6900
Atmospheric lifetime (years)	0,014	65
SNAP*	yes	N/A

SNAP - Significant New Alternatives Policy (US EPA)

GIELLE INDUSTRIES

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delivering 3M™ Novec™ 1230 Fire Protection Fluid

Your life?

Your business?

Your World?

If these are precious to you...

Protect the risk!



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