

Novec™ 1230 Fixed Fire Suppression Systems

Fire Systems

Prevent Fire | Detect Fire | Contain Fire | Escape Fire

Product

Novec™ 1230 Fire Protection Fluid is stored as a liquid and discharged into the protected space as a gas. It puts fires out quickly by a combination of heat absorption and chemical interference with the flame.



System Benefits

Environment Friendly

Novec™ 1230 fluid has a zero Ozone Depletion Potential, a Global Warming Potential of just one (compared to Halon 1301 with a GWP of 6900) and an atmospheric lifetime of only five days.

Safe

Independent scientific studies have proven that Novec™ 1230 fluid poses no safety risk to people in occupied spaces at the normal design concentration. It also offers a safety margin of up to 100% - that's higher than any other type of clean fire suppression agent.

Effective

Novec™ 1230 fluid puts fires out quickly, before they can do any serious damage. It does this by reaching extinguishing concentrations in ten seconds or less. It is effective on a wide range of Class A, B and electrical fires.

Clean

Novec™ 1230 fluid discharges as a colourless, electrically nonconductive, and non-corrosive gas. It does not leave any residue behind, and there is no need for costly clean-up operations.

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Technical Data

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■ Chemical name	Dodecafluoro-2-methylpentan-3-one
■ Chemical formula	$\text{CF}_3\text{CF}_2\text{C}(\text{O})\text{CF}(\text{CF}_3)_2$
■ Molecular weight	316.04
■ Boiling point @ 1 atmosphere	49.0°C
■ Freezing point	-108°C
■ Vapour pressure	0.40 bar @ 25°C
■ Operating pressure	25 or 42 bar
■ Minimum design concentration	5.2% for class A fires
■ Maximum discharge time	10 seconds
■ Extinguishing mechanism	Heat absorption / chemical interference
■ NOAEL	10%
■ LOAEL	>10%
■ Ozone Depleting Potential	0
■ Global Warming Potential	1 (Halon 1301 = 6900)
■ Atmospheric Lifetime	3-5 days

Benefits

■ Zero Ozone Depleting Potential (ODP)
■ Three to five day atmospheric lifetime
■ Sustainable technology
■ Fluid at room temperature - unique amongst gaseous agents
■ Low design concentration - very high safety margin
■ Compact storage
■ Fast extinguishing action
■ Over-pressurisation relief vents not normally required
■ Approved by LPCB and MCA

Applications

• Archive Stores	• Internet Service Providers
• Art Galleries	• Libraries
• Museums	• Medical and Laboratory Equipment
• Clean Rooms	• Military Installations
• Computer Suites	• Offshore Oil and Gas Installations
• Operation Rooms	• Pipeline Pumping Stations
• Control Rooms	• Petrochemical Plants
• Railway Signalling Centres	• Pharmaceutical and Medical Facilities
• Air Traffic Management Centres	• Power Generation
• Data Processing Equipment	• Process Industry Control Rooms
• Electronic Data Processing Facilities	• Rare Book Libraries
• Financial Centres and Banks	• Record Storage
• Electronics and Data Processing	• Substation Control Rooms
• Heritage Sites	• Switch Rooms
• Insurance Industry	• Telecomm Centres
• Marine Installations	• Universities and Colleges

Chubb Fire, helping you to:

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Call **0800 32 1666** or visit **www.chubb.co.uk**

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