

The Key to Worldwide Protection

Novec™ 1230 Fire Protection Fluid



Protects People, Assets and the Atmosphere

Chemetron Novec 1230 Fire Protection Fluid System

Novec 1230 Fluid is an environmentally acceptable, people compatible clean agent for vital facilities with a wide range of hazards. Novec 1230 Fluid suppresses the fire by removing the heat energy and interrupting the combustion process. As a clean agent, Novec 1230 Fluid offers these benefits:

- Very low Global Warming Potential (GWP) of just one
- Atmospheric lifetime of approximately 5 days
- Ozone Depleting Potential (ODP) of Zero
- No post-fire residue to clean up
- No damage to protected equipment
- Is electronically non-conductive
- Safe for use in a wide range of normally occupied hazard areas

Novec 1230 Fluid safeguards a wide range of applications, including:

- Telecommunication Facilities
- Computer Operations
- Control Rooms
- Shipboard (Marine Systems)
- Rare Book Libraries
- Universities & Museums
- Record & Storage Facilities
- Art Galleries
- Petrochemical Installations
- Pharmaceutical & Medical Facilities
- Electronics Equipment

Approvals and Listings:

- Underwriters' Laboratories (UL)
- Factory Mutual (FM)

Novec 1230 Fluid (CF₃CF₂C (O) CF (CF₃)₂) is a fluoroketone that consists of carbon, fluorine and oxygen. It is colorless, odorless, electrically nonconductive, and suppresses the fire by removing the heat energy and interrupting the combustion process.

Novec 1230 Fluid is stored as a liquid in steel containers and is pressurized with nitrogen to 360 psig (2482 kPa) to increase its discharge flow characteristics. When discharged, Novec 1230 Fluid will vaporize at the discharge nozzles and effectively mix with the air throughout the protected area.

CHEMETRON
Fire Systems™

A UTC Fire & Security Company

3M™ Novec™ 1230 Fire Protection Fluid is...



Effective... Novec 1230 Fluid has been found to be an effective, clean and non-toxic rapid acting fire suppression agent that extinguishes fire by physically removing the heat energy from the flame.

Fast Acting... Novec 1230 Fluid responds quickly at low concentrations to eliminate a fire. It is environmentally acceptable for sensitive equipment.

Safe... Novec 1230 Fluid offers the greatest margin of safety for use in occupied spaces.

Recognized... Novec 1230 is recognized by the top independent listing and approval agencies including UL and FM.

Economical... Chemetron Novec 1230 Fire Suppression System allows for:

- minimized space and weight requirements
- faster installation and service
- ambient temperature storage



We understand the challenges inherent in a competitive business environment. No company can afford the major interruption to its operations and financial repercussions that a fire, even a small one, can cause. Your ability to prevent or recover from a business disruption is critical and depends on selecting the best fire protection system and agent.

As a leader in the fire protection industry, we have brought to market many innovative products and extinguishing system design techniques. Chemetron designs and manufactures Low-Pressure Carbon Dioxide, High-Pressure Carbon Dioxide, FM-200®, 3M™ Novec™ 1230 Fire Protection Fluid and Water Mist fire suppression systems and electronic control panels.

Our worldwide network of certified personnel and distributors have the training, experience and technical skills to provide you with all of the services needed to keep your people and property safe. We offer the following services: application engineering; inspection and testing; emergency repairs; hazard analysis; NFPA upgrades; safety, maintenance and operation site procedure; venting analysis; room integrity testing and more.

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