



The extinguishants & how they work

FM200 (HFC227ea)

FM200 (HFC227ea) is a synthetic fire suppression agent. FM200 extinguishes the fire by removing the free radicals or heat element of the fire triangle. The concentration of FM200 is typically 7.9% of the room volume and 8.5% for higher hazard area's such as floor voids or areas with higher fire risks. The main advantage of FM200 is the amount of agent required to suppress a fire. .

FM200 systems reach extinguishing levels in 10 seconds or less, stopping ordinary combustible, electrical, and flammable liquid fires before they cause significant damage. FM200 extinguishes the fire quickly, which means less damage, lower repair costs, and an extra margin of safety for people. It also means less downtime and disruption of business.

FM200 is safe to use in occupied spaces. The safety of FM200 fire suppression environments is proven in over a decade of real-world experience and validated by extensive scientific studies. FM200 systems take up less storage space than most other fire suppressants.

Atmospheric life time = 36.5 Years

NOVEC1230

Novec1230 is synthetic fire suppression agent. It operates by removing the free radicals or heat element of the fire triangle. The concentration of Novec1230 is typically 5.3% of room volume. Novec1230 offers significant atmospheric advantages over it synthetic rivals.

Novec1230 fluid has zero ozone depletion potential and the lowest atmospheric lifetime for halocarbon alternatives: Inert Fire Extinguishing is typically Inert Gas blends or a single Inert Gas on its own. Typical Inert products are Nitrogen and Argon. These are natural occurring gases, which are removed from the air we breathe.

The principle of suppression is by increasing the nitrogen or Argon content of the protected space, which reduces by volume the oxygen to a safe level to sustain human life and at the same time reduce the protected environment to levels that do not allow combustion. Typical oxygen levels following a discharge are 12% – 15%.

Atmospheric life time = 5 Days



To sustain combustion, a fire must have appropriate fuel and adequate amounts of heat and oxygen

Protect your business with Redetec...

putting fire protection where it counts.

19" rack-mount fire protection solutions