

CO₂ Carbon Dioxide Gas



At atmospheric pressures carbon dioxide (CO₂) is a colourless, odourless and non-conductive gas capable of penetrating quickly and efficiently the area to be protected. Its density is approximately 50% greater than the density of air. CO₂ is stored in high-pressure cylinders as liquefied gas.

CO₂ has been used effectively for many years, not only in fire protection, but also in other commercial applications. Although the use of CO₂ as extinguishing agent declined with the introduction of halons, it is still widely used for fire protection, especially since the Montreal Protocol was introduced (where bases were established to ban the use of Halon extinguisher).

Features

Superior Suppression. Carbon Dioxide (CO₂) is a colourless, odourless, electrically-nonconductive gas whose density is approximately 50% greater than air. A Carbon Dioxide System suppresses fire by providing a blanket of heavy gas that absorbs heat from the fire and reduces the oxygen content of the atmosphere to a point where combustion becomes impossible.

Damage-Free. A naturally-occurring atmospheric element, Carbon Dioxide dissipates into the air allowing an almost immediate return to “business as usual” without the interruption of a costly clean-up and the expense of damage to assets from suppressant residue. This results in fewer repair costs and reduced downtime.

Design Versatility. Because Carbon Dioxide is an ideal suppressant for a wide variety of industrial applications, we offer two system configurations to efficiently protect different hazard types:

- Total Flooding—ideal for enclosed hazard areas
- Local Application—used to protect a specified hazard area in an open floor plan

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