The Key to Worldwide Protection

High-Pressure Carbon Dioxide

Effective Fire Protection

Chemetron High-Pressure Carbon Dioxide System

High-Pressure Carbon Dioxide (CO_2) systems are the best protection for local area hazards, especially capable of quickly extinguishing fires that occur in fire prone processes or equipment. With over 70 years of commitment to innovative fire protection technology worldwide, Chemetron continues as a leader for integrated special hazard fire protection systems. Since CO_2 systems were first installed in 1940, our effective combination of engineering, equipment and system performance continues to make Chemetron the leading choice for high risk applications.

Systems can be specifically engineered to fit the unique fire protection requirements of a wide array of applications, including:

- Aerospace
- Data Processing Centers
- Blast Furnace
- Indirect Coal Firing Systems
- Metals Production and Processing
- Electric Furnaces
- Continuous Casters
- Rolling Mills (Steel & Aluminum)
- Coating Lines
- Assembly: Painting-Mixing & Storage
- Electronics Production
- Food Processing
- Research & Test Facilities
- Shipboard (Marine) Systems

CARDOX

Approvals and Listings:

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

Carbon Dioxide is an odorless, colorless, inert gas that extinguishes fire primarily by diluting the oxygen that supports combustion. It is applied by either the "total flooding" or "local application" method in unoccupied spaces.

In "total flooding", the enclosure of the hazard protected is flooded to a proper concentration. In "local application", CO_2 is directly applied in the proper amount at the needed rate to cover the protected hazard.

CHEMETRON Fire Systems™

A UTC Fire & Security Company

Why Choose Chemetron High-Pressure Carbon Dioxide?

Fast... Within seconds, Carbon Dioxide penetrates the entire hazard area to smother the combustion before it can develop into a costly and damaging fire.

Non-Damaging... Carbon Dioxide leaves no residue, eliminating the need for a time-consuming and costly clean-up. Additionally, CO_2 is electrically non-conductive and does not cause spoilage of organic materials.

Efficient... Carbon Dioxide vapor chokes off combustion quickly. The "dry ice" particles in the agent discharge allow "local application" protection of non-enclosed hazard areas.

Eco-Friendly... Carbon Dioxide is a basic element of the atmosphere and a naturally occurring by-product of combustion. Its use has no long-lasting environmental impact.

Adaptive... Carbon Dioxide is effective on a wide range of flammable and combustible materials in both surface and deep-seated fires.

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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