

Predict. Prevent. Protect

CARDOX Low-Pressure Carbon Dioxide Fire Protection - Plain & Simple

FIRE PROTECTION FOR SPECIAL HAZARDS

The Chemetron 7.5 F8 Clean Agent Low-Pressure Carbon Dioxide (CO₂) System is a cost effective solution when used to protect areas that require multiple suppression cycles, expansion capabilities, numerous hazards or more than 300 lbs of CO₂. As the premier Low Pressure CO₂ System manufacturer, Chemetron has led the way in establishing industry standards.

CO₂ is an odorless, colorless, inert gas that extinguishes fire primarily by diluting the oxygen that supports combustion. It is applied by either the direct or indirect method. CO₂ is not recommended for normally occupied spaces, except when other means of fire protection are not effective.

Total flooding delivers CO₂ into an enclosure until the fire is extinguished. For open hazards, the CO₂ local application method blankets the hazard extinguishing the flames and cooling the hazard. In the direct method, the CO₂ is directly applied in the proper amount at the rate required to cover the protected hazard.

PROBLEM SOLVED

CO₂ is fast, efficient, cost effective and adaptable for a wider range of hazards

Multihazard, high risk protection can be designed to provide automatic simultaneous discharge for a variety of hazards and configurations

Non-damaging to property and electrically non-conductive

Bulk low pressure CO₂ storage are suitable for indoor or outdoor placement

Utilizes well established safety means to minimize risk to personnel

WHY CHOOSE CHEMETRON

We are a leader in the fire protection industry. We have innovated many products and extinguishing system design techniques. We design and manufacture CARDOX Low and High Pressure Carbon Dioxide and 7.5 : 1 Clean Agent fire suppression systems. Our full line of conventional and addressable electronic control panels finish the package to provide a complete systems solution.

Our network of certified personnel and best-in-class distributors have the training, experience and technical skill to provide you with all of the services needed to keep your property protected. We offer the following services: application engineering; inspection and testing; emergency repairs; hazard analysis; NFPA upgrades; safety, maintenance and operations site procedure; venting analysis; room integrity testing and more.



APPROVALS & LISTINGS

UL Listed

Factory Mutual

CSFM Listed



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APPLICATION FOR CARDOX LOW PRESSURE CO₂:

Coal Handling Grinding and Storage Systems

Warehouses and Flammable Material Storage

High Voltage Switchgear Buildings

Manufacturing and Industrial Processes

Automotive Industry

Power Generation Enclosures

Printing Applications

Rolling Mills and Metal Processing

Fume Handling Systems

Cement Plants

Industrial Fryer Processes



CARDOX LOW PRESSURE CO₂ FEATURES:

Fast... Within seconds CO₂ penetrates the entire hazard area to smother the fire before it can develop into a costly event.

Economical... low pressure CO₂ is less expensive to replenish and requires a smaller footprint for agent storage. Multiple discharges of system are possible without switch over to the reserve.

Low maintenance... low pressure CO₂ systems do not require hydrostatic testing... even fill connections are easily accessed without the involvement of plant personnel. The liquid level gauge continuously monitors the amount of agent stored eliminating the need to verify weight.

No cleanup... CO₂ leaves no residue eliminating the need for a time consuming and costly cleanup. Additionally CO₂ is electrically nonconductive and does not cause spoilage of organic materials.

Efficient... CO₂ vapor chokes off combustion quickly in a low pressure system, reserve supply is obtained without complicated manifolds or valves.

Eco-Friendly... CO₂ is a basic element of the atmosphere and a naturally occurring by-product of combustion its use has no long lasting environmental impact.

Adaptive... CO₂ is effective on a wide range of flammable and combustible materials in both surface and deep seated fires. Low pressure systems allow multiple hazard protection from a common piping system.

APPROVED FOR USE WITH
CHEMETRON SUPPRESSION
CONTROL UNITS

Mico MLX

Mico SLX

Mico XLT LP

CHEMETRON
Fire Fighting Technology

Distributed by:

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