



High-Pressure Carbon Dioxide

E9812-300

HP CO₂ Fire Extinguishing System **Fast Fire Protection** for Challenging Hazards within both Industrial and Marine Applications

Effective and Reliable Suppression

Flammable materials and vapors present a significant risk of fire for many industrial processes and environments. The Kidde Fire Protection High-Pressure (HP) Carbon

Dioxide (CO₂) Fire Extinguishing System was designed to provide complete fire protection for a wide range of challenging applications from printing presses and

generator enclosures to dip tanks. The Kidde Fire Protection HP CO₂ system delivers clean, dependable extinguishing in seconds, greatly reducing the loss of assets, productivity and revenue associated with a fire-related business interruption.

The Kidde Fire Protection HP CO₂ System utilizes pneumatic detection units for marine applications for small engine room volumes.

the control system. The Control Panel initiates the release of CO₂ from the system containers. The extinguishant is delivered through a fixed piping network with specially designed nozzles; providing rapid, automatic fire protection around the clock.

The HP CO₂ is ideal for industrial processes where flammable materials and vapors present a potential hazard. For this reason, it is essential to have sufficient fire

protection on site. The Kidde Fire Protection HP CO₂ System, designed specifically for the hazard and operated automatically, assures immediate detection and rapid extinguishing.

HP CO₂ System Features:

- Damage-Free Fire Extinguishing Reduces Loss
- Design Versatility with Three System Configurations
 - » Total Flooding
 - » Local Application
- Rapid Response – Discharges in Seconds
- Fights Surface or Deep-Seated Fires



Why Choose an HP CO₂ System?

Superior Suppression. Carbon dioxide is a colorless, odorless, electrically-nonconductive gas whose density is approximately 50% greater than air. A Kidde Fire Protection HP CO₂ System extinguishes 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 extinguishant residue. This results in fewer repair costs and reduced downtime.

Design Versatility. Because carbon dioxide is an ideal extinguishant for a wide variety of industrial applications, Kidde Fire Protection offers two system configurations to efficiently protect different hazard types: Total Flooding, ideal for enclosed hazard areas and Local Application, used to protect a specified hazard area in an open floor plan.

Kidde Fire Protection Quality. We know a fire-related business interruption can keep your company from being competitive in a global market. We are committed to researching, developing and providing the most advanced fire protection technology and best customer service in the industry. We understand the marketplace demands an “up and running” business world around the clock. We are dedicated to keeping industry “in business” by keeping fires out.



Typical Applications Protected by an HP CO₂ System:

- Flammable Liquid Storage Areas
- Marine Applications
- Quench and Dip Tanks
- Large Commercial Fryers
- Engine and Electrical Rooms
- Spray Booths and Paint Lockers
- Turbine Generators
- Printing Presses
- Rolling Mills
- Dust Collectors
- Industrial Ovens
- Mixing Operations

Local Applications for an HP CO₂ System:

- Modular HazMat Storage Facilities
- Exhaust Ducts
- Print Machine Head
- Environmental Storage Facilities

Approvals & Listings:

- TPED
- FM Approved
- DNVGL
- CPR