



www.kiddefiresystems.com



# KIDDE® HP CO<sub>2</sub> SUPPRESSION SYSTEM

Fast Fire Protection for Challenging Hazards

## Effective and Reliable Suppression

Flammable materials and vapors present a significant risk of fire for many industrial processes and environments. The Kidde High Pressure (HP) Carbon Dioxide Suppression System was designed to provide complete fire protection for a wide range of challenging applications from printing presses and generator enclosures to dip tanks and commercial fryers. The Kidde HP CO<sub>2</sub> system delivers clean, dependable suppression in seconds, greatly reducing the loss of assets, productivity and revenue associated with a fire-related business interruption.

The Kidde HP CO<sub>2</sub> System utilizes highly sophisticated electric and/or pneumatic detection units which sense fire at its inception, immediately alerting the control system. The Control Panel initiates the release of CO<sub>2</sub> from the system cylinders. The suppressant is delivered through a fixed piping network with specially designed nozzles; providing rapid, automatic fire protection around the clock.

**When you choose Kidde, you've chosen the world's most respected name in special hazards fire protection.**

## Kidde HP CO<sub>2</sub> System Features

- Damage-Free Fire Suppression Reduces Loss
- Design Versatility with Three System Configurations
  - Total Flooding
  - Local Application
  - Local Hose Line
- Rapid Response—Discharges in Seconds
- Fights Surface or Deep-Seated Fires

The Kidde HP CO<sub>2</sub> 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 HP CO<sub>2</sub> System, designed specifically for the hazard and operated automatically, assures immediate detection and rapid suppression.



Total Flooding CO<sub>2</sub> System



Local Application CO<sub>2</sub> System

## Why Choose a Kidde HP CO<sub>2</sub> System?

### Superior Suppression.

Carbon dioxide is a colorless, odorless, electrically-nonconductive gas whose density is approximately 50% greater than air. A Kidde HP CO<sub>2</sub> 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, Kidde offers three 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, or a Local Hose Line, cost effective protection for fighting smaller fires throughout a hazard.

### Kidde Quality.

At Kidde, 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.

## We are Kidde Fire Systems.

Kidde Fire Systems' products save people and property from the dangers of fire. Our broad product offering and design expertise have been protecting assets worldwide since 1917. We're the smart choice when early fire detection and suppression needs are especially demanding. To advance our leadership in the industry, our family of special hazard fire protection brands has united. Kidde Fire Systems now incorporates Chemetron Fire Systems and Fenwal Protection Systems. As Kidde Fire Systems, we will enhance our customer focus and partnerships, provide highly efficient service and training, preserve a deep combined expertise in an array of vertical markets, and accelerate our product and technology developments, to the advantage of everyone who benefits from a world made safer from fire.



## Typical Applications protected by Kidde CO<sub>2</sub> Systems:

- 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 CO<sub>2</sub> Systems:

- Modular HazMat Storage Facilities
- Exhaust Ducts
- Machinery Spaces
- Environmental Storage Facilities

## Approvals & Listings

- UL Listed
- FM Approved
- USCG Approved

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