

Maximum Fire Protection for Unoccupied Shipboard Spaces...



The Kidde Marine Carbon Dioxide Suppression System

Seafaring vessels—by their nature—are at greater risk of suffering the devastating consequences of a fire-related catastrophe. The absence of emergency services, limited escape options and presence of flammable liquids while at sea make proper fire protection an absolute necessity.

Many shipboard fires begin in unoccupied cargo holds or machinery spaces—Kidde offers the Marine Carbon Dioxide Suppression System to contain such a fire before it can spread to threaten the crew, passengers, assets or the vessel itself.

How the System Works. The Kidde Marine Carbon Dioxide System utilizes highly sophisticated electric and/or pneumatic detection units which sense fire at its inception—immediately alerting the control system. The Control Panel activates the Control Head which initiates the release of Carbon Dioxide from the cylinders. The suppressant is delivered through a fixed

pipng network to multi-jet nozzles, which discharge the Carbon Dioxide directly onto the hazard—providing rapid, automatic fire protection around the clock.

Marine Approvals. The Kidde Marine Carbon Dioxide System is approved for use in marine applications such as machinery spaces and flammable liquid storage areas by major regulatory agencies such as Underwriters Laboratories, The American Bureau of Shipping (Type Approval), and Lloyd's Register of Shipping (Type Approval).

Worldwide Service Network. Whether you dock your vessel in the port of Singapore or San Francisco, it's likely you'll find a Kidde fire protection professional in the vicinity. Our global network of distributors are certified to perform the services you'll need to keep your system at peak performance—from installation, retrofit or recharge to routine maintenance and emergency repairs.

*USCG Approved,
ABS Approved, LRS Approved
and UL Listed*

Why Choose a Kidde Carbon Dioxide Suppression System?

Superior Suppression. Carbon Dioxide (CO₂) is a colorless, odorless, electrically-nonconductive gas whose density is approximately 50% greater than air. A Kidde Carbon Dioxide System suppresses fire by providing a blanket of heavy gas that 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 marine 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 small amounts of a Class B 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 marine industry "in business" by keeping shipboard fires out.



Typical Applications

The Kidde Carbon Dioxide System is ideal for environments where flammable liquids and vapors present a potential hazard. These fires spread quickly and become so intense, they often cannot be approached. For this reason, it is essential to have sufficient fire protection on site.

- Engine Rooms
- Pump Rooms
- Lamp Rooms
- Cargo Holds
- Ductwork
- Electrical Rooms
- Diesel Generator Rooms
- Machinery Spaces
- Engine Scavenge Spaces
- Bow Thruster Compartments

A Kidde Carbon Dioxide System designed specifically for the hazard and operated automatically, assures immediate detection and rapid suppression.

Vessels Protected

The Kidde Carbon Dioxide System can be specified to provide economical fire protection for the unoccupied areas of :

- Dredge Vessels
- Fishing Vessels
- RORO Vessels
- Cargo Vessels
- Tugboats
- Yachts
- In-Land Vessels
- Passenger Vessels
- Research Vessels
- Chemical Vessels
- Multi-Purpose Vessels



A UTC Fire & Security Company

400 Main Street
Ashland, MA 01721
Tel.: 508.881.2000
Fax: 508.881.8920
www.kiddmarine.com

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