High Pressure Carbon Dioxide Fire Suppression System

Versatile Agent Application Methods

Carbon dioxide is a versatile and economical agent that can be used to totally flood enclosed hazard areas or can be discharged directly at the hazard using the local application design method.

Product Overview

Trusted proven performance

- **Leaves No Residue**
- **Non-Corrosive and Non-Conductive**
- **Suitable for Class A, B, and C Hazards**
- **Total Flooding or Local Application Options**
- **Fixed Nozzle and/or Hose Reel Agent Distribution**
- **UL/ULC Listed and FM Approved**
- **Marine System Is UL Listed and USCG Approved**

No need for agent cleanup means less downtime after an incident.

Protect Property from Fire and Collateral Damage

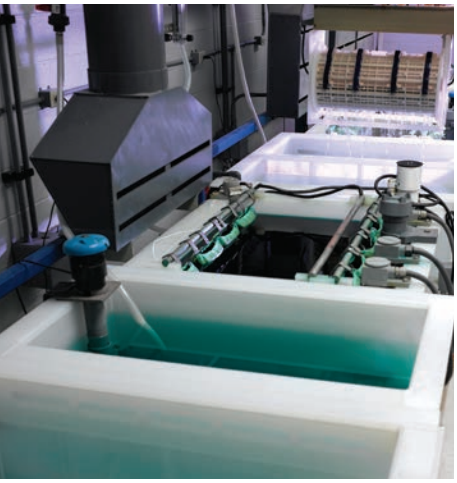
Protecting property involves more than suppressing fire. Conventional fire suppression methods can cause collateral damage to valuable assets. The ANSUL® High Pressure Carbon Dioxide System suppresses fire without leaving behind any residue after discharge, avoiding damage to sensitive equipment. No need for agent cleanup means less downtime after an incident.

While carbon dioxide is most effective against Class B flammable liquid fires, it is also the only gaseous agent capable of deep seated Class A hazard protection. When properly designed, the carbon dioxide system will suppress fire in Class A, B and C hazards by displacing the air containing oxygen that supports combustion. Thus, in certain applications, it is mandatory that additional equipment be provided as an added safeguard.

Customised for Your Application

From cylinder to nozzle, each system can be custom-designed for specific fire hazards. High pressure systems use individual storage containers – from 35 lb (16 kg) to 120 lb (54 kg) capacity each – that can be manifolded together for rapid simultaneous discharge. Container valves can be opened automatically or manually and either locally or remotely using electric, pneumatic or mechanical valve actuators.

Get back in business quickly and economically



Protecting Vessels at Sea

Carbon dioxide systems have protected more marine vessels than any other type and continue to be a primary solution for engine rooms, auxiliary machinery spaces and paint lockers.

State-of-the-Art Detection and Control

Automatic detection is provided for single or multiple hazards using an AUTOPULSE conventional or addressable releasing control panel with highly sensitive smoke, heat and flame detectors. When a fire is detected, the system will sound alarms, shut down equipment and release the carbon dioxide fire suppression system. Mechanical and pneumatic manual system actuation methods are also available.

Applications for High Pressure Carbon Dioxide Systems:

- Dip Tanks/Plating
- Engine Rooms
- Flammable Liquid and Gas Storage Areas
- Generators
- Hoods and Ducts
- Machinery Spaces
- Paint Lines
- Paint Lockers
- Printing Presses
- Process Equipment
- Open Pits
- Ovens
- Semiconductor Wet Benches
- Spray Booths
- Vaults

WARNING: Areas protected by CO_2 Systems must be evacuated prior to discharge.

The Ultimate Fire Suppression Solution

The ANSUL® brand promises a full range of quality fire protection solutions – from automatic detection and suppression systems to a complete line of wheeled and hand portable fire extinguishers and more. Plus, our extensive network of Authorised ANSUL® Distributors provides factory-trained professionals to serve our customers virtually anywhere in the world.

A Passion for Protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Johnson Controls offers all of these attributes, plus a passion for protection. It's what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

For additional information, please visit www.ansul.com or follow us @ansulfire on Twitter.

Form No. F-2018185-00_A4