

MACURCO

GAS DETECTION



Monthly Topic: CO₂ and Beverage Dispensing

- Carbon Dioxide (CO₂), has become a main topic of discussion within the commercial industry. CO₂ is found in many commercial applications such as restaurants, gas stations, bars and many more.
- Carbon Dioxide is a colorless, odorless, incombustible gas formed during respiration, combustion and organic decomposition.
- People who are exposed to high concentrations of CO₂ may experience fatigue, tachycardia and asphyxiation. This can lead to respiratory function problems, kidney damage, a coma or death.
- A recent NFPA code for CO₂ detection has received national attention. This code mandates a CO₂ detector be placed in beverage dispensing applications where 100lbs or more of CO₂ are stored. Everyday places such as gas stations, restaurants, bars, and other facilities fall under this code.
- Per NFPA 53070.5.1&2, such applications require ventilation and an emergency alarm system. The emergency alarm system shall provide continuous gas detection where CO₂ can accumulate.



- Problems with a beverage dispensing system may occur due to improper installation, a faulty system or as simple as user error. Without the awareness of a leak, all personnel within the facility are exposed to the potential risk of illness or death.
- A few ways to prevent injuries or problems from happening inside of your venue consist of training employees on the possible hazards, include proper signage around the storage of CO₂, installation of a CO₂ detection system and establish proper maintenance on the system.

- Macurco will be releasing two new higher range commercial CO₂ detectors early 2018.

Macurco Gas Products

Gas in the News

Learn More

- [CD-6](#)
- [CD-12](#)
- [Explosion Proof 5100-88-IT](#)
- [Weatherproof Housing Kit](#)
- [Horn/Strobe Combo](#)

- [CO₂ in McDonalds](#)
- [Restaurant CO₂ system](#)
- [Prevent Tragedy from CO₂](#)
- [Beverage Dispensing](#)
- [OSHA CO₂ Article](#)

- [CO₂ and NFPA 5307](#)
- [CO₂ MSDS](#)
- [CO₂ Questions & Answers](#)
- [CO₂ Health Risks](#)
- [What is CO₂](#)

Beverage Dispensing Applications

Other CO₂ Applications

- ✓ Restaurants/Bars
- ✓ Convenient Stores
- ✓ Breweries
- ✓ Hospitals
- ✓ Grocery Stores
- ✓ Schools

- ✓ Auditoriums
- ✓ Bottling Facility
- ✓ Agricultural Grain Storage
- ✓ Offices
- ✓ Gyms
- ✓ Conference Rooms

- ✓ Laboratories
- ✓ Retail
- ✓ Greenhouse/Growth Facility
- ✓ Theatres
- ✓ Hospitals
- ✓ Dry Ice Storage

