

\$100 ANNUAL OPERATIONAL PERMIT FEE

**McKinney Fire Department
Fire Marshal's Office**

**Carbon Dioxide (CO₂) Beverage Dispensing
Operational Permit Application**

A permit is required in accordance with Section 105.6 of the 2015 International Fire Code for the operation of a Carbon Dioxide (CO₂) Beverage Dispensing System over 100 pounds.

Date of Application: _____

Business Name and Location

Name _____

Address: _____

Street Address _____

City _____ **State** _____ **Zip** _____

Emergency Contact: _____

Email Address: _____

Business Phone Number: _____ **Mobile/Cell:** _____

LIST OF THE OPERATIONAL REQUIREMENTS CAN BE FOUND ON THE BACK.

Any change, modification, or addition from the conditions of this permit must be reviewed for modifications and impact upon the permit conditions.

This permit must be clearly posted in conspicuous place, or as mandated by a Fire Code Official, and available upon request.

Failure to comply with the provisions of this permit, or when a violation is found by inspection, will result in revocation of this permit and/or issuance of a citation.

I, *(Print Name)* _____ have read and understand the permit conditions for approval of this permit. I also understand that any variances to the conditions without the approval from the Fire Marshal's Office may result in a failed inspection, and additional fees and/or citations assessed in accordance with the City of McKinney Codes and Ordinances.

Signature _____ Date _____

OFFICIAL USE ONLY

\$100 Permit Fee Paid: \$ _____

Received By: _____

CARBON DIOXIDE (CO₂) BEVERAGE DISPENSING

1. Insulated systems shall have pressure relief devices vented in accordance with NFPA 55.
2. When cylinders, tanks, piping and equipment are located indoors, rooms or areas where a leak can collect shall be provided with ventilation or an emergency alarm system.
 - a. Mechanical ventilation not less than 1 cfm per sq. ft.
 - b. Exhaust within 12 inches of the floor.
 - c. Operate at a negative pressure and shall run continuously or be activated by a detector to maintain less than 5,000 ppm.
3. Emergency alarm system. An emergency alarm system shall comply with all of the following:
 - a. Continuous gas detection shall be provided to monitor areas where carbon dioxide (CO₂) can accumulate.
 - b. Threshold for activation of an alarm shall not exceed 5,000 ppm
 - c. Detection equipment shall be provided to indicate carbon dioxide (CO₂) levels at each point of use and in each storage.
 - d. Activation of the emergency alarm system shall initiate a local alarm within the room or area in which the system is installed. If the building is equipped with a Fire Alarm Control Panel (FACP), the emergency alarm shall report to the FACP.
4. CO₂ warning sign shall be posted at the entrance to the room or area.

CAUTION — CARBON DIOXIDE GAS.

Ventilate the area before entering.

A high carbon dioxide (CO₂) gas concentration in this area can cause suffocation

5. NFPA 704 Diamond shall be posted at the exterior door near the CO₂ tank.
6. Existing installations shall comply with the same provisions for new installations *only when modified or replaced*.

*Above list is not all-inclusive and is provided for information and guidance only.
Reference requirements of the 2015 International Fire Code, Section 5307.*