

Carbon Dioxide Beverage Systems Requirements



Tucson Fire Department
300 S. Fire Central Pl.
Tucson, AZ. 85701
(520) 791-4502



- Carbon Dioxide Beverage Dispensing Systems utilizing **over 100 lbs.** of CO2 in use at any one time, require an alarm system be installed on the system by an approved licensed contractor.
 - A 'Fire Other Construction Permit' for 'Compressed gases' is required when installing a new CO2 alarm system. The construction permit is a one-time issuance. This permit must be obtained by the contractor.
 - A 'Fire General Operational Permit' for 'Compressed Gases' is also required. The operational permit is currently issued until revoked but may be an annual permit in the future. This permit must be obtained by the business owner or representative.
 - These permits may be revoked at any time for non-compliance.
- These permits may be omitted by reducing quantities in use to 100 lbs. or less per system.
 - An additional 100 lbs. of CO2 may be kept in storage.

Application Requirements:

- Register and complete both permit applications at Tucson Development Center Online.
- Both permits must be approved and paid for prior to the issuance of either.
- Provide system diagrams, floor plan, and datasheets for all equipment.
- Plans shall indicate if a fire alarm panel is located at the building.
- Installer needs to be on the approved list of contractors for our jurisdiction.

CO2 Alarm Requirements:

- Alarms:
 - Central unit shall be accessible and located where all tones that are emitted can be heard. It shall not be mounted next to a point of use or inside a manager's office that has a locking door.
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