

Carbon Dioxide Requirements and Declaration

Based on the 2018 Edition of the International Fire Code

Carbon Dioxide is an asphyxiant gas and is regulated by the Fire Code when amounts are at or greater than one hundred pounds.

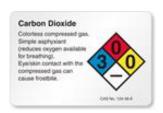
Restaurants. Fast Food. Convenience Stores. Theaters. Entertainment Venues. Bars-Taverns. Theme Amusement

Conversions



0011,01510115						
PRODUCT NAME	Cubic Feet/Pound	Pounds/Gallon	Cubic Feet/Gallon			
Carbon Dioxide (CO ₂) CAS: 124-38-9	8.74	8.46	73.94			







	4000 Series 6	J00 Series I	J000 Series
DO YOU HAVE CARBON DIOXIDE FOR BEVERAGE DISPENSING OR OTHER USE?			
$\square_{\mathrm{YES}} \square_{\mathrm{NO}}$	ΛW	ARNI	NG
If YES, then list the number of containers	8003	CARBON S	HARGE
What is the size of each container (pounds)?	4	VACATE INNE when alarm i Can cause inju	EDIATELY sounds. ry or death.
What is the Total Quantity (pounds)?			_
IS YOUR STORAGE INDOOR – WITHIN THE BUILDING? \square YES \square NO			
If a CO ₂ system and storage is exterior of the building, refer to the guidance document for exterior LVFD website at: http://www.lowervalleyfire.org Note: Interior use locations and associated pip detection/emergency alarms.			
If your carbon dioxide system includes one or more containers of 100 pounds to 1,000 pounds, then of the following options is required. Check all that apply. Complete and return this form with your Fire Marshal. Plans shall reflect the chosen method(s), and CO-2 and all compressed gas storage local	plan set t		
☐ Demonstrate that existing ventilation system meets ventilation requirements in accordance 502.8.1, 502.8.1.1; 2018 IFC 5004.3, 5005.1.9.	ce with th	ie 2018	3 IMC
Provide new or re-design of ventilation for review that complies with 2018 IMC 502.8.1 5004.3, 5005.1.9.	, 502.8.1	.1; 201	8 IFC
☐ Install a listed CO ₂ Emergency Alarm System in accordance with the 2018 IFC - Pa Section 916.	aragraph	5307.3	; and
Provide both, ventilation design that complies with the 2018 IMC 502.8.1, 502.8.1. 5005.1.9 Requirements, and install a CO ₂ Emergency Alarm System.	1; 2018	IFC 50)04.3,
Facility Name: Address:			
Date:			
Owner/Operator Name (print)			