



Portable LP-Gas Containers Awaiting Use or Resale

PURPOSE: To provide the applicant a solid overview of applicable fire code and applicable NFPA requirements.

SCOPE: This document applies to all displays used for portable LP-Gas cylinders awaiting use or resale.

GENERAL

- Should be stored outdoors as indoor storage may drive additional permits and requirements
- Outside storage displays must meet separation distances specified in the table below
- Stored within a suitable enclosure (cabinet or cage) or otherwise protected against tampering
- Located to minimize exposure to excessive temperature rise, physical damage or tampering
- Position containers with the pressure relief valve in direct communication with the vapor space of the container
- "No Smoking" signs shall be posted. Smoking within 25 feet shall be prohibited. Control of other sources of ignition is required

Quantity of LP-Gas Stored (Pounds)	Minimum Separation Distances from Stored LP-Gas Cylinders (feet)						
	Nearest important building or group of buildings or line of adjoining property that may be built upon	Line of adjoining property occupied by schools, places of religious worship, hospitals, athletic fields or other points of public gathering; sidewalks or thoroughfares	LP-Gas Dispensing station	Doorway or opening to a building with two or more means of egress	Doorway or opening to a building with one means of egress	Combustible Materials	Motor Vehicle Fuel Dispenser
≤720	0	0	5	5	10	10	20
721 - 2,500	0	10	10	5	10	10	20
2,501 - 6,000	10	10	10	10	10	10	20
6,001 - 10,000	20	20	20	20	20	10	20
>10,000	25	25	25	25	25	10	20

09 IFC Table 3809.12

- Vehicular impact protection in compliance with IFC Section 312 required.
 - Bollards/guard posts shall be constructed of 4-inch steel, concrete filled posts
 - Spaced not more than 4-feet between posts on center
 - Set at least 3-feet deep in 15-inch diameter concrete footers
 - Top of bollards/guard posts not less than 3-feet above the ground
 - Not be located less than 3 feet from the tank.
- Approved portable fire extinguishers required for displays with more than 720lbs propane stored



LABELING/SIGNS

- Visible hazard identification signs (NFPA 704) required
- Identification signs shall be for the specific material contained
- Shall be in English as a primary language or in symbols allowed by code; durable, with approved size, color, and lettering
- Shall not be obscured or removed

PERMIT/INSPECTION

- A permit and permit inspection for storage and use is required; permit application found on second page
- Contact the CSFD @ (719) 385-5978 to schedule a permit inspection
- Permit inspection fee shall apply.

SITE PLAN

- Attach a detailed site diagram showing building footprint on site and associated separations of items in table above
- Provide dimensions in feet or draw to scale
- Provide north directional arrow



Colorado Springs Fire Department
LPG Cage Permit Application
 Please return this application to the following address:
 Division of the Fire Marshal, 375 Printers Parkway,
 Colorado Springs CO, 80910



FACILITY/SITE INFORMATION (Print clearly or type)				
Facility/Company		Phone	Cell	
Local Contact Name/Title		Fax	Email	
Street Address	City	State CO	Zip Code	
OWNER INFORMATION (Print clearly or type)				
Property Owner/Company		Phone	Cell	
Responsible Party Name/Title		Fax	Email	
Street Address	City	State	Zip Code	
APPLICANT/CONTRACTOR INFORMATION (Print clearly or type)				
Company Name		Phone	Cell	
Responsible Party Name/Title		Fax	Email	
Street Address	City	State	Zip Code	
CAGE/DISPLAY INFORMATION – Permit application requires LP-Gas amounts reported in: number of containers, pounds per container and water capacity in gallons per container, and total aggregate water capacity in gallons. Greater than 125 gallons requires permit.				
# of Displays	Size of Displays (Cylinder/Cage)	Size of Cylinders (Lbs.) (Gal.)	Total LPG (Gal. Water Cap.)	
PROPANE CYLINDER CONVERSION				
TYPE OF SERVICE	PROPANE CAPACITY (Pounds)	PROPANE CAPACITY (Gallons)	WATER CAPACITY (Pounds)	WATER CAPACITY (Gallons)
Stationary	420	99	1000	119
Stationary	300	71	715	86
Stationary	200	47	477	57
Stationary	150	35	357	43
Exchange	100	24	239	29
Exchange	60	14	144	17
Engine Fuel	33.5	8	80	9.6
Portable	40	9.5	95	11
Portable	20	4.7	48	5.7
Portable	5	1.2	12	1.4
(source: NFPA 58 Handbook, Commentary Table 5.1)		Based on 80% fill limit		

OFFICE USE ONLY		
Plan Rev #	Appvd By	Permit #
Insp Date	Inspector	Acct Code
Date Issued/Exp Date	Amount	Receipt #