

LP GAS INDIVIDUAL INSTALLATION CHECK LIST NFPA 58 (2008)

ck	Summary	Code Ref.	Code
	Piping, Liquid / Vapor In or Out		May use Backflow Check Valve (58-6.10.3) if flow into container only
	First Stage / High Pressure Reg. direct to container vapor space	NFPA 58 6.8.1.1	First-stage or high-pressure regulators shall be directly attached or attached by flexible connectors to the vapor service valve of a container, or to a vaporizer outlet, or to interconnecting piping of manifolded containers or vaporizers.
	Piping painted to protect from corrosion	NFPA 58 6.9.3.11	LP Gas Piping shall be protected against corrosion (Rust). Paint or coat piping.
	Piping not used for ground	NFPA 58 6.9.3.15	LP-Gas piping shall not be used as a grounding electrode.
	Replace damaged tubing or piping	NFPA 54(06) 5.6.5	Damaged Gas Piping Shall be replaced
	Separation Distances		
	Point of Transfer	NFPA 58-T.6.5.3	
	Distance for container relief to Building openings	NFPA 58-T.6.3.9	
	Distance between containers and Important Buildings	NFPA 58-T.6.3.1	
	Fire Protection		
	Ignition Source Control		
	Combustible materials, weed and grass not to closer than 10ft of container	NFPA 58 6.4.5.2	Loose or piled combustible material and weeds and long dry grass shall be separated from containers by a minimum of 10 ft.
	Container not under power >600 volts	NFPA 58 6.4.5.12	LP Gas tanks and dispensers shall not be installed within 6 ft. of a vertical plane beneath any overhead power line(s) that are over 600 volts nominal.
	Misc. / Other		
	Container properly Painted	NFPA 58 6.6.1.4	Tanks shall be kept free of rust, they shall be kept properly painted.
	Traffic Protection Provided where needed	NFPA 58 6.6.1.2	Vehicle impact protection shall be provided in accordance with the IFC section 312, or in accordance with State Fire Marshal policies.
	Cylinders not placed on Ground	NFPA 58 6.6.2.1	Cylinders shall be installed only aboveground and be set upon a firm foundation or otherwise be firmly secured. The cylinders shall not be in contact with the soil.
	Interconnected containers at same vapor Level	NFPA 58 6.6.3.2	ASME containers that have liquid interconnections shall be installed so that the maximum permitted filling level of each container is at the same elevation.
	Containers not permitted on Roofs	NFPA 58 6.6.7.1	All containers installed on roofs of buildings shall be prohibited.
	Relief Valve not toward other containers	NFPA 58 6.7.2.2	Cylinders shall be installed so that the pressure relief will be directed to minimize the possibility of relief device discharge impingement on other cylinders.
	Relief Valve directed to open space	NFPA 58 6.7.2.3	Pressure relief devices on the following ASME containers shall be installed so that any gas released is vented away from the container upward and unobstructed to the open air (1) Containers of 125 gal (0.5 m3) or more water capacity installed in stationary service (2) Portable storage containers (3) Portable tanks (4) Cargo tanks
	Data plate required for tanks.	NFPA 58 5.2.8.3	Each LP Gas tank shall have a stainless steel nameplate or data plate per ASME. Data plate shall not be painted or obscured. If illegible, data plate shall be replaced.
	LP Hose Marked LP 350 psi	NFPA 58 5.9.6.4(A)	LP Gas hose used for LP Gas transfer shall be marked "LP GAS, PROPANE, 350 PSI WORKING PRESSURE".
	System and Piping free of leaks	NFPA 58 6.14.1	After assembly, piping systems (including hose) shall be tested and proven free of leaks at not less than the normal operating pressure.
	Damaged or leaking hose to be replaced	NFPA 58 7.2.4.5	Leaking or damaged hose shall be immediately repaired or removed from service.
	Container Appurtenances		
	Container pressure relief valve required	NFPA 58 5.7.2.4	Internal spring type, flush type full internal, or external pressure relief valve shall be installed.
	Rain Cap required for Relief Valves	NFPA 58 6.7.2.4	Rain caps shall be installed on pressure relief valves that do not restrict relief device flow.
	Appurtenances at least 250 psi	NFPA 58 5.7.1.3	Container appurtenances shall have a service pressure rating of at least 250 psig
	Relief Valves to be marked	NFPA 58 5.7.2.8	Each pressure relief valve shall be plainly and permanently marked with the following: (1) The pressure in psig at which the valve is set to start-to-leak (2) Rated relieving capacity in cubic feet per minute of air at 60°F (16°C) and 14.7 psia (101 kPa) (3) The manufacturer's name and catalog number
	Relief Valves in vapor space of container	NFPA 58 6.6.1.1	Level containers shall be so that the pressure relief valve is in direct communication with the vapor space of the container.
	Underground container regulator vent above water level	NFPA 58 6.6.6.1 (G)	The discharge of the regulator vent (on underground LP container) shall be above the highest probable water level.

LP GAS INDIVIDUAL INSTALLATION CHECK LIST NFPA 58 (2008)

ck	Summary	Code Ref.	Code
<input type="checkbox"/>	Regulators properly positioned	NFPA 58 6.8.1.5	Regulators for outdoor installations shall be designed, installed, or protected so their operation will not be affected by the elements (freezing rain, sleet, snow, ice, mud, or debris).
<input type="checkbox"/>	Regulator min. 3 ft from building opening below	NFPA 58 6.8.1.6	The point of discharge from the regulator shall be located not less than 3 ft. horizontally away from any building opening below the level of such discharge, and not beneath any building.
<input type="checkbox"/>	Regulator min. 5 ft. from ignition source	NFPA 58 6.8.1.7	The regulator point of discharge shall be located not less than 5 ft. in any direction away from any source of ignition opening into direct-vent appliances, or mechanical ventilation air intakes.
<input type="checkbox"/>	Regulator vent piped to safe location.	NFPA 54(06) 5.8.5.1	