

LP GAS RESELLER CHECK LIST

NFPA 58 (2008)

ck	Summary	Code Ref.	Code
	License / Permits		
	License Current and Posted (copy located at remote bulk sites)	SC 40-82-30	
	Employee/s properly permitted	SC 40-82-220(c) (3)	
	Piping, Liquid / Vapor In or Out		
	Hydrostatic relief required where liquid trapped (valves and backchecks)	NFPA 58 6.13	Hydrostatic relief valve shall be installed in sections of liquid piping between shutoff valves where liquid can be trapped.
	Rain Caps Hydrostatic Relief Valve	NFPA 58 6.7.2.4	Hydrostatic relief valves shall have rain caps installed.
	Properly Sized Excess Flow Valve Required at container and change of pipe size	NFPA 58 5.8.1.1(H)	The connection or line that leads to or from any individual opening shall have greater flow capacity than the rated flow of the excess-flow valve protecting the opening.
	Piping Secured	NFPA 58 6.9.3.10	Aboveground piping shall be supported and protected against physical damage by vehicles.
	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.
	Flex connectors max. 5 ft.	NFPA 58 6.9.6.2	Flexible connectors and hose used as flexible connectors shall not exceed 60 in. in length where used with liquid or vapor piping on portable or stationary tanks 2000WG or less.
	Excess Flow valve required at dispenser unless meter has differential back pressure valve.	NFPA 58 6.24.3.5	Shall install an excess flow check valve on the liquid line at the dispenser at the point at which the dispenser hose is connected to the liquid piping.
	Hydrostatic relief valves	NFPA 58 6.24.3.6	Piping and dispensing hose shall be provided with hydrostatic relief valves in accordance with Section 6.13
	Protection against Trespassing	NFPA 58 6.24.3.7	Protection against trespassing and tampering shall be in accordance with 6.18.4
	Liquid Withdraw Openings	NFPA 58 6.24.3.8	The container liquid withdrawal opening used with vehicle fuel dispensers and dispensing stations shall be equipped with one of the following: (1) An internal valve fitted for remote closure and automatic shutoff using thermal (fire) actuation. (2) A positive shutoff valve that is located as close to the container as practical in combination with an excess-flow valve installed in the container, plus an emergency shutoff valve that is fitted for remote closure and installed downstream in the line as close as practical to the positive shutoff valve.
	Dispensers and dispensing stations	NFPA 58 6.24.3.9	An identified and accessible remote emergency shutoff device for either the internal valve or the emergency shutoff valve required by 6.24.3.8(1) or (2) shall be installed not less than 3 ft (1 m) or more than 100 ft (30 m) from the liquid transfer point.
	Dispensers and dispensing stations	NFPA 58 6.24.3.10	Emergency shutoff valves and internal valves that are fitted for remote closure as required in this section shall be tested annually for proper operation.
	Dispenser Secure and mounted	NFPA 58 6.24.3.12	All dispensers either shall be installed on a concrete foundation or shall be part of a complete storage and dispensing unit mounted on a common base and installed in accordance with 6.6.3.1(G). Protection against physical damage shall be provided for dispensers.
	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.
	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.
	Canopy open for at-least 50% of sides	NFPA 58 6.24.3.3	Dispensing areas under a canopy shall be ventilated and not enclosed for more than 50% of its perimeter.
	Dispenser Secure and mounted	NFPA 58 6.24.3.12	All dispensers either shall be installed on a concrete foundation or shall be part of a complete storage and dispensing unit mounted on a common base and installed in accordance with 6.6.3.1(G). Protection against physical damage shall be provided for dispensers.
	Dispenser and dispensing stations	NFPA 58 6.24.3.14	An identified and accessible switch or circuit breaker shall be installed at a location not less than 20 ft (6.1 m) or more than 100 ft (30.5 m) from the dispensing device(s) to shut off the power in the event of a fire, accident, or other emergency.
	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	

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	Separation from Flammable Liquids minimum 20 ft.	NFPA 58 6.4.5.5	The minimum horizontal separation between aboveground LP gas containers and aboveground tanks containing liquids having flash points below 200 degrees F shall be 20 ft.
	Transfer point min. 10 ft from class 1 dispensing	NFPA 58 6.24.4.3	Points of transfer shall be located at least 10 ft. from a class I liquid dispensing device.
	Fire Protection		
	Minimum 18 Lb. Fire Extinguisher Required	NFPA 58 6.25.4.2	Each industrial plant, bulk plant, and distributing point shall be provided with at least one approved portable fire extinguisher having a minimum capacity of 18 lb (8.2 kg) of dry chemical with a B:C rating. Where fire extinguishers have more than one letter classification, they can be considered to satisfy the requirements of each letter class.
	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.
	Smoking, Sparks and Flame Prohibited and Enforced	NFPA 58 7.2.3.2(B)	Smoking, open flames, portable electric tools, and extension lights shall be prohibited within 25 feet of the point of transfer.
	No Smoking Posted from all directions of approach	IFC (06) 310.3	
	Electrical equipment per Code	NFPA 58 6.22.2.1	Electrical equipment and wiring shall be installed per code requirements for electrically classified areas.
	Ignition control procedures followed during transfer operations	NFPA 58 7.2.3.2	Ignition control procedures and requirements shall be used during transfer operations.
	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.
	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
	Fence required with 2 gates if greater than 100 sq. ft., fill point more than 3 ft from gate.	NFPA 58 6.18.4.2	Area around tank and loading/unloading area shall be enclosed in a 6 ft. high industrial chain link fence with at least two (2) remotely located access gates.
	Gates on fence to be locked when not attended.	NFPA 58 6.18.4.2	Gate(s) shall be kept locked at all times when not dispensing propane.
	Hose		
	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.
	Listed Breakaway for filling RVs	NFPA 58 6.24.4.2	Listed breakaway device that will retain liquid on both sides of the breakaway point in the transfer hose shall be installed.
	Max 18 ft dispensing hose length	NFPA 58 6.24.4.1	Hose length shall not exceed 18 ft. and shall be listed for LP Gas use.
	Secure dispensing hoses	NFPA 58 6.24.4.1	When not in use, hose shall be secured to protect from damage.
	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".
	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.
	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.
	Canopy open for at-least 50% of sides	NFPA 58 6.24.3.3	Dispensing areas under a canopy shall be ventilated and not enclosed for more than 50% of its perimeter.
	Dispenser Secure and mounted	NFPA 58 6.24.3.12	All dispensers either shall be installed on a concrete foundation or shall be part of a complete storage and dispensing unit mounted on a common base and installed in accordance with 6.6.3.1(G). Protection against physical damage shall be provided for dispensers.
	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.

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	NFPA 704 Marking Required	IFC (06) 2703.5	Unless otherwise exempted by the fire code official, visible hazard identification signs as specified in NFPA 704 for the specific material contained shall be placed on stationary containers and above-ground tanks and at entrances to locations where hazardous materials are stored, dispensed, used or handled in quantities requiring a permit and at specific entrances and locations designated by the fire code official.
	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.
	Pressure Gauge required if 4000 WG or more	NFPA 58 5.7.4.4(4)	A pressure gauge shall be installed on each LP Gas tank.
	Temperature Gauge required if 4000 WG or more	NFPA 58 5.7.4.4(5)	A temperature gauge shall be installed on each LP Gas tank.
	Appurtenances at least 250 psi	NFPA 58 5.7.1.3	Container appurtenances shall have a service pressure rating of at least 250 psig