

# Liquid Propane Gas

## Requirements for Installation

Revised 01/25/2022

### General Requirements:

All Liquid Propane Gas Facilities shall be readily accessible for inspection, reading, testing, and always shutting off the gas supply. All service piping and main supply shut-off valves shall be outside the building. Discharge from Relief Valves shall be into open air and shall be not less than 5 feet horizontally away from any opening into a building which is below such discharge.

### Gas Piping and Container Requirements:

Materials allowed for yard piping include copper, PE (**only pipe specifically approved for exterior buried piping systems may be used**) and factory machine applied coated/wrapped black pipe with the joints of the black pipe wrapped with ten mill tape which is half lapped and double wrapped.

Trenching shall be 18 inches minimum depth cover for copper, PE, and for black pipe. For an above-grade installation, pipe must be 6 inches minimum above grade and protected from damage.

An air pressure test of 30 pounds (psi) for outside propane lines with joints is required to be on the installation **when the inspector arrives**. If there are NO joints in the trench, no test is required, **however**, the inspector needs to see the open trench with pipe in.

The air pressure test for interior piping is 10 pounds (psi). Only black iron or corrugated stainless steel tubing (CSST) is allowed for the interior gas piping.

**No** gas piping shall be buried under any structure. It is not allowed in or under any exterior slab, unless it is sleeved, and prior approval has been given for such installation.

TABLE 6104.3 - LOCATION OF LP-GAS CONTAINERS

LP-GAS CONTAINER CAPACITY (water gallons)	MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS AND BUILDINGS, PUBLIC WAYS OR LOT LINES OF ADJOINING PROPERTY THAT CAN BE BUILT UPON		MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS <sup>b, c</sup> (feet)
	Mounded or underground LP-gas containers <sup>a</sup> (feet)	Above-ground LP-gas containers <sup>b</sup> (feet)	
Less than 125 <sup>c, d</sup>	10	5 <sup>e</sup>	None
125 to 250	10	10	None
251 to 500	10	10	3
501 to 2,000	10	25 <sup>e, f</sup>	3
2,001 to 30,000	50	50	5
30,001 to 70,000	50	75	(0.25 of sum of diameters of adjacent LP-gas containers)
70,001 to 90,000	50	100	
90,001 to 120,000	50	125	

For SI: 1 foot = 304.8 mm, 1 gallon = 3.785 L.

