



Superstition Fire & Medical District



LPG (Propane) Tank Installation Guidelines

LPG tanks are to be installed in accordance with all applicable codes.

LPG tanks installed within the City of Apache Junction and unincorporated areas of Pinal County, contact (480) 982-1299 (for permit assistance and inspection).

The Superstition Fire & Medical District has adopted the 2006 International Fire Code and Standards requiring an installation permit and inspection when the capacity (capacity measured in gallons of water) of the LPG tank is 125 gallons or larger.

The following items pertain to all LPG installations:

IFC Chapter 38, Section 3804.3

Containers shall be located with respect to buildings, public ways, and lot lines of adjoining property that can be built upon, in accordance with Table No. 3804.3

IFC Table No. 3804.3 refers to container capacity in water gallons and for above ground LPG installations. Minimum separation refers to distance between the LPG tank and the building.

Multi-Container Separation refers to distance between tanks.

Container Capacity	Minimum Separation	Multi-Container Separation
Less than 125 gallons	5 Feet*	None
125 – 250 gallons	10 Feet	None
251 – 500 gallons	10 Feet	3 Feet
501 – 2000 gallons	25 Feet	5 feet

* Installation of LPG containers of less than 125 gallons water capacity are allowed next to the building they serve when in compliance with the following items:

- Department of Transportation (DOT) specification containers shall be located and installed so that the discharge from the container pressure-relief device is at least three feet horizontally from building openings below the level of such discharge and shall not be beneath buildings unless the space is well ventilated to the outside and is not enclosed for more than fifty percent of its perimeter.
- The discharge from container pressure relief devices shall be located not less than five feet from exterior sources of ignition, openings into direct-vent (sealed combustion system) appliances or mechanical ventilation air intakes.
- American Society of Mechanical Engineers (ASME) containers of less than 125 gallons (water capacity) shall be located and installed such that the discharge from pressure relief devices shall not terminate in or beneath buildings and shall be located at least five feet horizontally from building openings below the level of such discharge and not less than five feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes.
- The filling connection and the vent from liquid level gauges on either DOT or ASME containers filled at the point of installation shall not be less than ten feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes