

Table 11.10.a.: Underground or Mounded LPG Tank LPG Tank Separation distances

AGGREGATE LPG TANK CAPACITIES	SEPARATION DISTANCE	DISTANCE BETWEEN LPG TANKS
1. Up to 500 Gal.	3 m	0 m
2. 501 Gal.— Up to 2000 Gal.	3 m	1 m
3.a. 2001 Gal.— Up to 30,000 Gal.	15 m	1.5 m
<u>ASME Tanks installed in full compliance to Table 11.10.b.</u>	<u>ASME TANKS</u>	<u>ASME TANKS</u>
3.b. Up to 30,000 Gal.	3 m, if all requirements of Table 11.10.b. are complied with	1.5 m
4. More than 30,000 Gal.	15 m	1/4 of sum of diameters of adjacent LPG Tanks

Table 11.10.b.: Reduction of Underground or Mounded ASME LPG Tank Separation Distances

ITEMS	REQUIREMENTS FOR REDUCTION OF SEPARATION DISTANCES FOR UNDERGROUND OR MOUNDED ASME LPG TANK INSTALLATIONS
1. MEASUREMENT OF SEPARATION DISTANCE	i. Tank separation distance shall be measured from Tank surface, not relief valve.
2. TANK APPURTENANCES FOR UNDERGROUND OR MOUNDED TANKS	i. Tank shall be ASME containers, manufactured, tested and certified as per ASME. ii. All liquid withdrawal openings and vapour withdrawal openings that are 1.25 inch (3.2 cm) or larger shall be equipped with internal valve. iii. Internal valves shall remain closed except during periods of operations.
3. REMOTE SHUTDOWN FACILITIES	i. Internal valves shall be equipped for remote closure and automatic shutoff through thermal (fire) actuation. ii. A positive manual shutoff valve shall be installed as close as practical to each internal valve. iii. All liquid and vapor inlet openings shall be equipped with a backflow check valve that is designed for the intended application and a positive manual shutoff valve installed as close as practical to the backflow check valve. iv. Automatic system shutdown of all power supply for transfer equipment and primary valves (internal valves and emergency shutoff valves) shall be provided through thermal (fire) actuation and in the event of a hose pull-away. v. Remote shutdown station shall be installed within 4.6 m of point of transfer. And additional remote shutdown station shall be installed from 7.6 m to 30 m from the transfer point.