

Table 11.1: Outdoor LPG Cylinder Installation Guideline

ITEMS	REQUIREMENTS
6. SAFETY PROVISIONS FOR OUTDOOR CYLINDERS	<ul style="list-style-type: none"> i. An approved gas-leak detection system shall be provided in the area or compartment where the internal LPG/CNG pipes and fittings are installed, with a local alarm connected to a main fire alarm panel. ii. Remote Emergency shut-off valve shall be located at least 3 m away from the edge of the installation. It shall be clearly marked and placed at a suitable height for easy access during emergencies. iii. For Commercial kitchens provided with fixed fire suppression system, activation of the Suppression system shall automatically shut off the supply of LPG/CNG to the kitchen. iv. Any pipe penetration on the walls shall be suitably fire stopped to maintain the fire resistance of the walls.
7. SAFETY PRECAUTIONS FOR OUTDOOR CYLINDERS	<ul style="list-style-type: none"> i. LPG cooking appliances shall not be used with CNG fuel unless it is certified and approved to do so. ii. There shall be no ignition source within 3 m from the cylinder installation. iii. All fixed electrical equipment within 1.5 m of the LPG/CNG installation shall be spark-proof and intrinsically safe in accordance with the relevant clause in NFPA 70. iv. Vaporizers shall not be installed inside the steel cabinet or within the same housing of the LPG/CNG cylinders. Wall-mounted vaporizers shall be located at least 1.2 m above the ground and 600 mm away from any LPG/CNG cylinder. v. The cylinder enclosure shall only be used for LPG cylinder installation. No other usage or storage is allowed. vi. A warning sign or notice of minimum size of 800 mm x 600 mm shall be permanently and legibly displayed at the front of the installation. In Arabic and English conveying, "LPG / HIGHLY FLAMMABLE / NO SMOKING / NO NAKED LIGHTS" vii. The LPG installation shall be provided with at least one approved portable B:C rating dry chemical fire extinguisher having a minimum capacity of 9 kg.



LPG CYLINDER EXPLOSION IN A LOCAL RESTAURANT FOR ILLUSTRATION