

Table 11.4: Piping Distribution requirements for LPG Central Tank installations

ITEMS	LPG PIPING DISTRIBUTION, FILLING AND OTHER REQUIREMENTS FOR LPG CENTRAL TANK INSTALLATIONS
5. VALVES	<ul style="list-style-type: none"> i. All valves and controls shall be easily accessible and have sufficient space for maintenance. ii. All liquid and vapor withdrawal openings that are 3.2 cm or larger shall be equipped with internal valves. iii. The internal valves shall remain closed except during periods of operations. iv. Internal valves shall be equipped with remote closure and automatic shutoff through thermal activation. v. A positive manual shutoff valve shall be installed as close as practical to each internal valve. vi. All liquid and vapor inlet openings shall be equipped with a backflow check valve where applicable installed with a positive manual shut off valve installed as close as practical to the backflow check valve. vii. Insulation of container shall be able to limit the container to not over 427 degree Celsius for a minimum period of 50 minutes.
6. ELECTRICAL EQUIPMENT AND WIRING	<ul style="list-style-type: none"> i. Electrical equipment and wiring shall be approved for the purpose and shall comply with NFPA 70. ii. Wiring for LPG leak detection system, supervision and remote operations shall be MICC or 2 hour fire rated 3(4)x1.5 mm cable and earthing could also apply in addition depending on the Gas Detection Control Panel cable.