

2.3.9.10. When connecting additional gas utilization equipment to a gas piping system, the existing piping shall be checked to determine if it has adequate capacity. If inadequate, the existing system shall be enlarged as required, or separate gas equipment of adequate capacity shall be provided.

2.3.9.11. The liquid LPG pipelines shall be painted in “Orange” and the vapor LPG pipelines in “Yellow” with the marking of the word “LP-Gas” at intervals of not more than 3M.

2.3.10. Tubing

2.3.10.1. Tubing used shall be Stainless Steel, Steel, brass, copper HDPE (High density Polyethylene) and MDPE (Medium density Polyethylene), as applicable for relevant pipe work. See **Section 6.** for acceptable test standards.

2.3.11. Fittings

2.3.11.1. Fittings used shall be Steel, brass and copper, HDPE (High density Polyethylene) and MDPE (Medium density Polyethylene). See **Section 6.** for acceptable test standards.

2.3.12. Flexible Hose

2.3.12.1. Hose, hose connections, and flexible connectors shall be fabricated of materials that are resistant to the action of LP-Gas both as liquid and vapor.

2.3.12.2. Hose shall be designed for a working pressure of 350 psig (2.4 MPa) with a safety factor of 5 to 1 and shall be continuously marked with the manufacturer's name or trademark. See **Section 6.** for acceptable test standards.

2.3.12.3. The hose shall be securely connected to the appliance. The use of rubber slip ends without hose clips shall not be permitted for domestic cylinders.

2.3.13. LPG Fired appliances

2.3.13.1. All the gas fired appliances such as cookers, heaters, boilers, vaporizers shall be tested and approved for such specific usage and safety.

2.3.14. Valves

2.3.14.1. All the system valves shall be suitable for the LPG pressure under service conditions. valves shall be listed and tested as per **Section 6.**

2.3.14.2. Hydrostatic relief valves designed to relieve the hydrostatic pressure that might develop in sections of liquid piping between two isolating valves shall be installed in each section. Hydrostatic valves shall comply with UL 132, Standard for Pressure Relief Valves for LPG.