

### 6.1.12. Pipes

- i. Wrought iron — ASME B 36.10M, Welded and Seamless Wrought Steel Pipe.
- ii. Steel pipe — ASTM A 53, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.
- iii. Steel pipe — ASTM A 106, Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.
- iv. Brass pipe — ASTM B 43, Standard Specification for Seamless Red Brass Pipe, Standard Sizes.
- v. Copper pipe — ASTM B 42, Standard Specification for Seamless Copper Pipe, Standard Sizes.
- vi. Polyamide and polyethylene pipe — ASTM D 2513, Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings, and shall be recommended by the manufacturer for use with LP-Gas.
- vii. ASTM 1387, Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads.
- viii. EN 16125. LPG equipment and accessories. Pipework systems and supports. LPG liquid phase and vapour pressure phase.
- ix. EN ISO 16440. Petroleum and natural gas industries. Pipeline transportation systems. Design, construction and maintenance of steel cased pipelines.
- x. EN 682 - Elastomeric seals. Materials requirements for seals used in pipes and fittings carrying gas and hydrocarbon fluids.
- xi. ISO 17484-1 - Plastics piping systems. Multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar (500 kPa). Specifications for systems.
- xii. ISO 18225 - Plastics piping systems. Multilayer piping systems for outdoor gas installations. Specifications for systems.

### 6.1.13. Tubing

- i. Steel tubing — ASTM A 539, Standard Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas Fuel Oil Lines.
- ii. Brass tubing — ASTM B 135, Standard Specification for Seamless Brass Tube
- iii. Copper tubing (a) Type K or L — ASTM B 88, Specification for Seamless Copper Water Tube.
- iv. Polyamide and polyethylene tubing — ASTM D 2513, Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings, and shall be recommended by the manufacturer for use with LP-Gas.
- v. Corrugated stainless steel tubing — ANSI/AGA LC1, Interior Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing.
- vi. EN 1057, Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications.
- vii. EN 1254-1, Copper and copper alloys. Plumbing fittings. Fittings with ends for capillary soldering or capillary brazing to copper tubes.
- viii. EN 1254-2, Copper and copper alloys. Plumbing fittings. Fittings with compression ends for use with copper tubes.