

LC1027-rated Flexible Gas Piping System Specification

GAS PIPING

Flexible fuel gas piping system to comply with and maintain IAPMO and ICC-ES listings to ICC-ES PMG LC1027 '*Listing Criteria for Protective Jacketed Corrugated Stainless Steel Tubing (Minimum 36 Coulomb Charge Transfer)*'. Flexible gas piping system also to be listed by CSA to ANSI LC 1/CSA 6.26 standard '*Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing*'.

MATERIALS

Materials to be metallically shielded CSST manufactured from ASTM A240 Type-304 stainless steel with a minimum nominal wall thickness of 0.01". A protective jacket system over the CSST consisting of an electrically insulative polymer cover, a metallic shield layer, and a semi-conductive inner polymer layer. The piping system being UV-Resistant, and achieving ASTM E84 ratings of (25) for flame spread and (50) for smoke density. Mechanical fittings are to be manufactured from ASTM B16 Type-360 brass. Brass fittings include a jacket-lock feature to provide circumferential contact between the fitting assembly and outer polymer layer of the CSST.

INSTALLATION

The flexible gas piping system shall be installed per the current version of the manufacturer's Design & Installation Guide and local codes. System training is required and provided by the CSST manufacturers and/or its training representatives. Training certification cards will be provided to installers who successfully meet the training requirements.