

LC1027-rated Flexible Gas Piping System Specification

FLEXIBLE GAS PIPING SYSTEM

Flexible gas piping system to comply with, and maintain IAPMO and ICC 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". Tubing jacket to be multi-layer, consisting of a metal shield between two polymer layers as well as 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 and of design which provides electrical continuity between the CSST's metal shield and the brass fitting. Brass fittings also to include a jacket contact feature to provide a contact seal 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 and training certification cards will be provided to installers who successfully meet the training requirements.