

ASPE TechSymposium2021

CSST Gas Piping Systems Code Compliance & Sizing

Corrugated stainless steel tubing (CSST) is a highly resilient piping system designed and tested for use in the conveyance of natural gas and propane in both residential and commercial installations. All piping systems depend on proper code-compliant design and installation practices to ensure satisfactory performance and longevity of the system. This session will educate the design engineer on the nature and benefits of CSST. It will address proper installation practices designed to mitigate common threats, including forces of nature. It will also discuss different sizing techniques available to the engineer, including hybrid pressure systems and the advantages of those systems.



Jonathan D. Sargeant, LEED AP BD+C

Jonathan Sargeant entered the industry after earning a B.A. in Economics in 1990. Throughout his career, Jonathan has focused on product specification and standards and code development, working for a manufacturer's representative, manufacturers, and a trade association. Currently Jonathan is engaged in the code development process at the state and national levels and regularly conducts educational classes on the installation of corrugated stainless steel tubing (CSST) systems with a concentration on the changing requirements for electrical bonding and grounding. Jonathan also participates, as a company representative, in the development of standards and model codes, and is a member of the ANSI LC 1 Technical Subcommittee.



Robert Torbin, PE

Robert Torbin has worked for more than 35 years in the development of innovative fuel gas piping systems and related technologies. He has a B.S. in Mechanical Engineering from Northeastern University and an M.S. in Mechanical Engineering from WPI. He is a Registered Professional Engineer and serves as a member of several national standards committees including the CSST ANSI LC-1 TSC, the CSA Manual Valve TSC, and the press connections ANSI LC-4 TSC. Robert is also a voting member of the NFPA 54 Technical Committee. He is the author/co-author of more than 100 technical reports, journal articles, and conference papers, including many on gas distribution research. Robert lectures to numerous gas industry organizations and plumbing, mechanical, electrical, and fire inspector groups every year.