



JACKETED PIPE PROJECT CHECKLIST

Consider choosing one company that takes complete ownership of designing, fabricating, and testing your jacketed piping system from start to finish. CSI has over 44 years of expertise in solving our clients most challenging jacketed piping problems while at the same time ensuring a great experience along the way. The below chart demonstrates the complex nature of jacketed piping and how CSI can handle the entire scope of work to ensure your project is successful.

SCOPE OF WORK	CSI AMETEK	OTHER FABRICATOR	OTHER ENGINEERING
Procures material and shop fabricates, tests, performs NDE, and paints - all at fabricator location with direct employed personnel under an ISO 9001 certification	✓	?	N/A
Creates fabrication drawings from client-supplied "core-only" drawings (fabricator designs jacket)	✓	✗	?
Confirms annular clearance between core and jacket piping	✓	✗	?
Recommends flange types to accommodate adjacent valves and equipment	✓	✗	?
Provides overall system/install drawing of jacketed pipe spools	✓	?	✓
Provides stress analysis of jacketed piping spools as needed	✓	✗	✓
Reviews core/jacket pressures, thermal gradients, and welding details to facilitate designs that defend against common operational issues such as weld failure and cross-contamination	✓	✗	?
Reviews/confirms/optimizes heating media connections on jacketed pipe	✓	✗	?
Groups heating circuits to optimize manifold placement and minimize quantities required	✓	✗	✗
Calculates pressure drop of heating media circuits	✓	✗	?
Provides thermal report summarizing heating system design	✓	✗	✗
Considers spool configurations/lengths which allow for easiest field install	✓	✗	✗