

Emerson Solution Assures Zero Leak Points in LNG Carriers

RESULTS

- Provided process integrity and high reliability in ultra-low-temperature LNG environment
- Compact valve size simplified installation in ship's hull
- Unique valve/manifold sealing technology ensured zero leak points
- Strong global technical support assured worldwide service



APPLICATION

Needle valves and manifolds for oceanic LNG carriers

CUSTOMER

Global ship builder

CHALLENGE

A major shipyard was building four liquid natural gas (LNG) carriers for international oceanic transport. The ship builder required high-quality needle valves and manifolds that could withstand the LNG's -163° C temperatures. Product reliability was critical, since they were installed as part of the ship's hull, making access difficult and replacement expensive.

SOLUTION

The ship builder chose Emerson for its strong global technical support and service, plus its reputation for safe and reliable products. The Emerson solution included marine-certified TESCOM™ Anderson Greenwood™ needle valves and manifolds that provided process integrity and safe, reliable operation at ultra-low temperatures. Their compact design minimized space requirements for easier installation. The valves' unique sealing technology ensured there would be no leak points in pipes installed within the ship's hull. The ship builder has been pleased with the Emerson solution and is considering the products for additional ships.

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Emerson Automation Solutions

TESCOM

1006 Jin Min Road

Shanghai Pu Dong District Shanghai

201206, China Pudong Shanghai, 201206,

China ap.tescom@emerson.com m

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