

Next Generation LNG Tank PRV Optimizes Tank Design

RESULTS

- Met overpressure protection needs with single comprehensive solution
- Superior valve capacity reduced penetrations and bracing saving \$260K

APPLICATION

Pressure Relief Valves

CUSTOMER

Large LNG Liquefaction facility in North America

CHALLENGE

With the design of the facility calling for a single large LNG Tank, reliability and uptime were key considerations. Protecting a vessel of this size from overpressure events requires dozens of large pilot operated pressure relief valves which each necessitate rooftop penetrations, bracing and isolation. The design team needed a way to ensure protection from overpressure while minimizing the initial and future cost of installation and maintenance.

SOLUTION

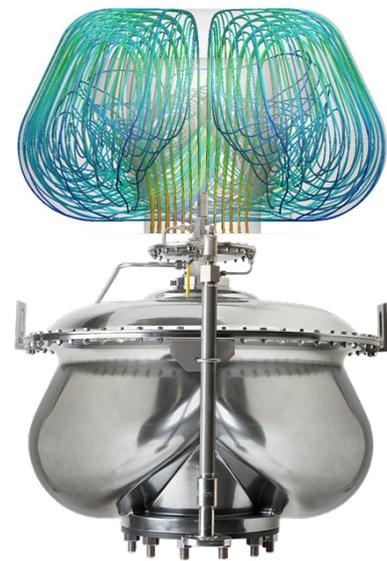
Emerson offered the Anderson Greenwood™ 9300H, a low pressure pilot operated valve with the largest flow capacities available. The unrivaled performance of the 9300H reduced the required number of valves and penetrations by three saving significant costs. In addition, the 18 valves provided were identical allowing a single spare valve to cover the entire facility.

RESOURCES

Anderson Greenwood 9300H Overview
Anderson Greenwood 9300H Video



With its superior flow capacity, the Anderson Greenwood 9300H reduced installation costs by \$260K by requiring fewer tank penetrations and support infrastructure.



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