

# Emerson's High-Capacity Valves Cut Costs and Enhance Reliability for LNG Facility Overpressure Protection

## 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.

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



*Anderson Greenwood Series 9300H  
Low Pressure Pilot Relief Valve*

## RESOURCES

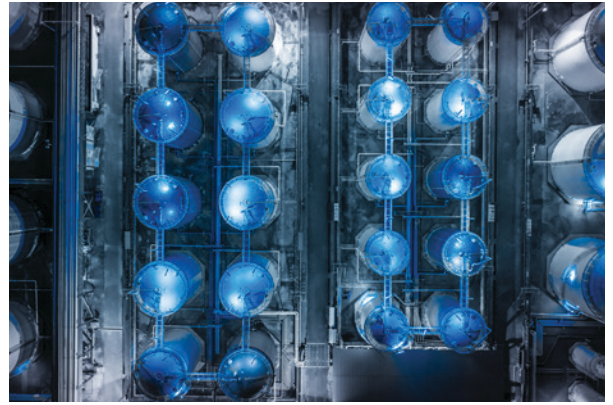
[Anderson Greenwood 9300H Overview](#)

[Anderson Greenwood 9300H Video](#)

[LNG Valve Solutions](#)

### **Emerson's valve solutions are trusted by the world's largest and most complex LNG projects and facilities**

From project initiation to facilities maintenance, Emerson offers the most complete portfolio of valves, actuators, and regulators designed to optimize the entire LNG value chain. Our future-focused solutions harness the power of data to reduce emissions, increase plant safety, ensure equipment reliability, and save costs.



#### **Emerson**

##### Americas

T +1 800 558 5853

T +1 972 548 3574

##### Europe

T +39 051 419 0611

##### Asia Pacific

T +65 6777 8211

##### Middle East / Africa

T +971 4811 8100

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