

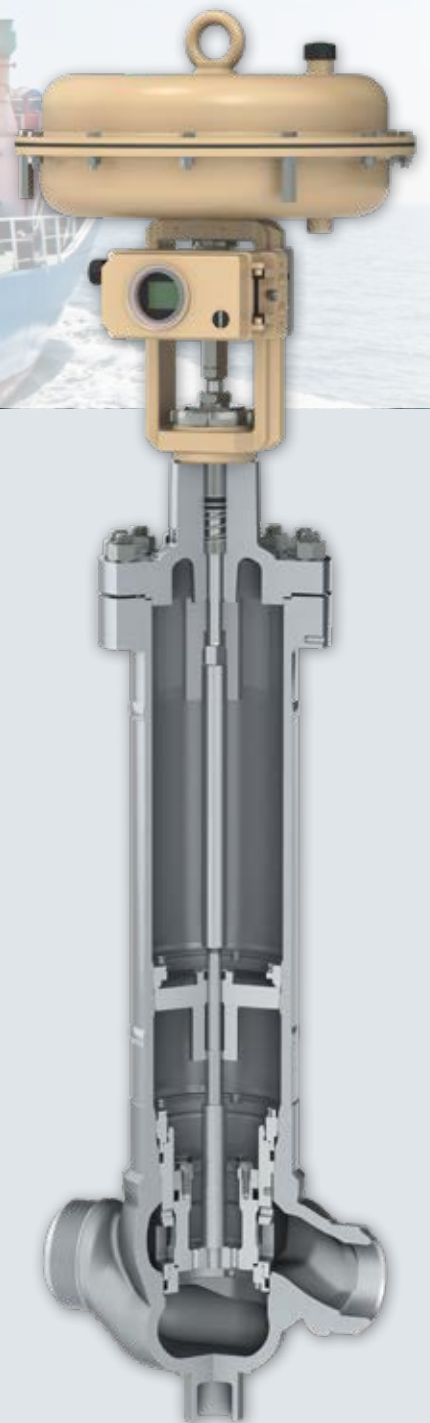
Type 3598 High-pressure Top-entry Valve

SAMSON

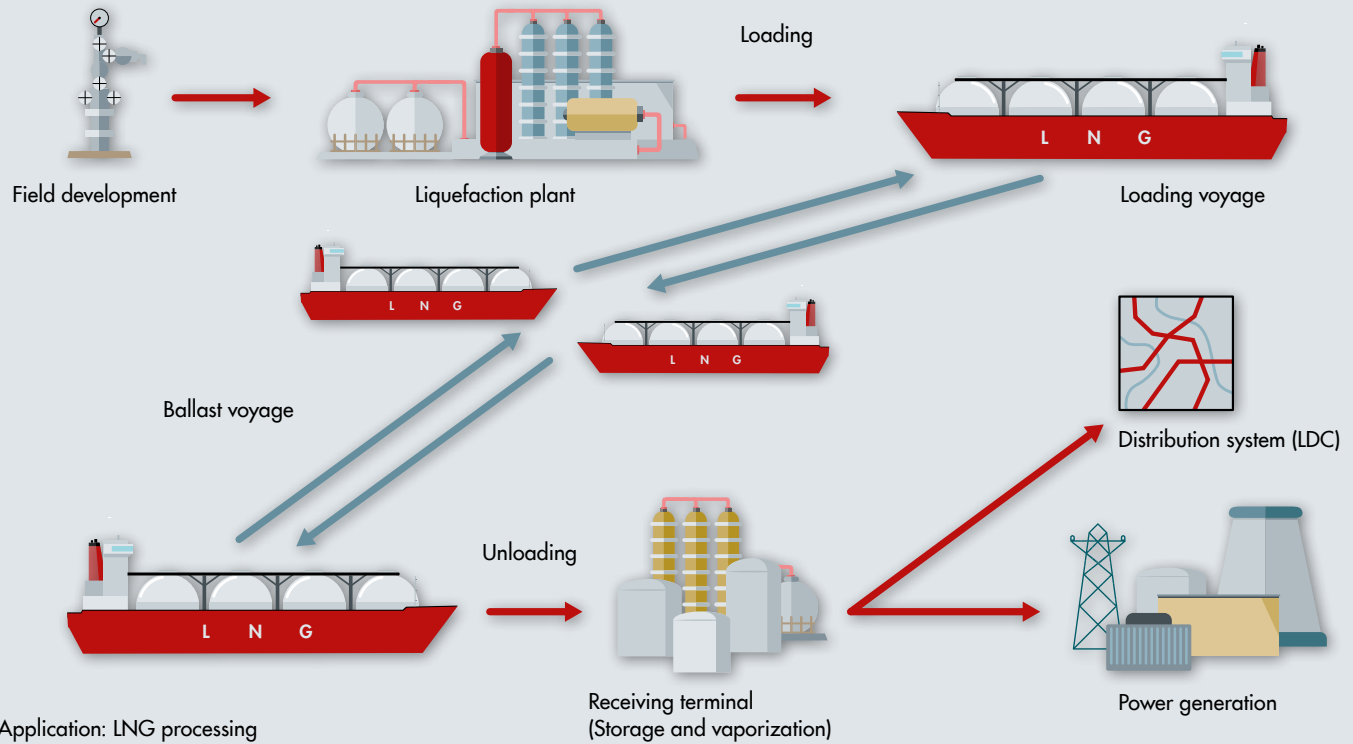


Developed for the future needs of our customers Cryogenic applications for Liquid Natural Gas (LNG)

- Top-entry design for high energy efficiency and low operational costs
- Small actuator sizes through the standard use of pressure balancing
- Cage guidance facilitates maintenance with SAMSON's own top-entry tool



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Customer requirements	Challenges	Solutions
High energy efficiency	Large difference between operating and ambient temperatures	Constructive design allows closure to the environment, for example through the attachment of a vacuum jacket
Quick and easy in-line service	Valve may be completely enclosed/insulated	Top-entry design allows access to all wearing parts without removal from enclosure/insulation
Control valve designed to be as compact as possible	High actuating forces required, especially at high pressures	Compact and lightweight actuators can be used due to their standard pressure balancing
Severe service conditions, such as high pressure drops, cavitation, flashing etc.	Control of severe service conditions, prevention of vibration, wear etc.	Robust cage design

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