

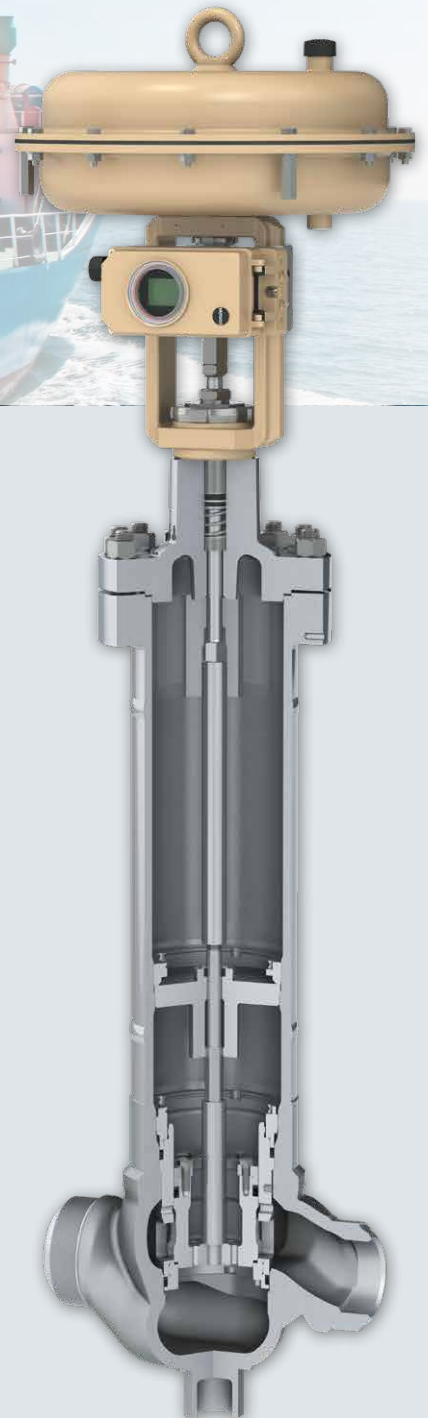
Type 3598 High-pressure Top-entry Valve

SAMSON

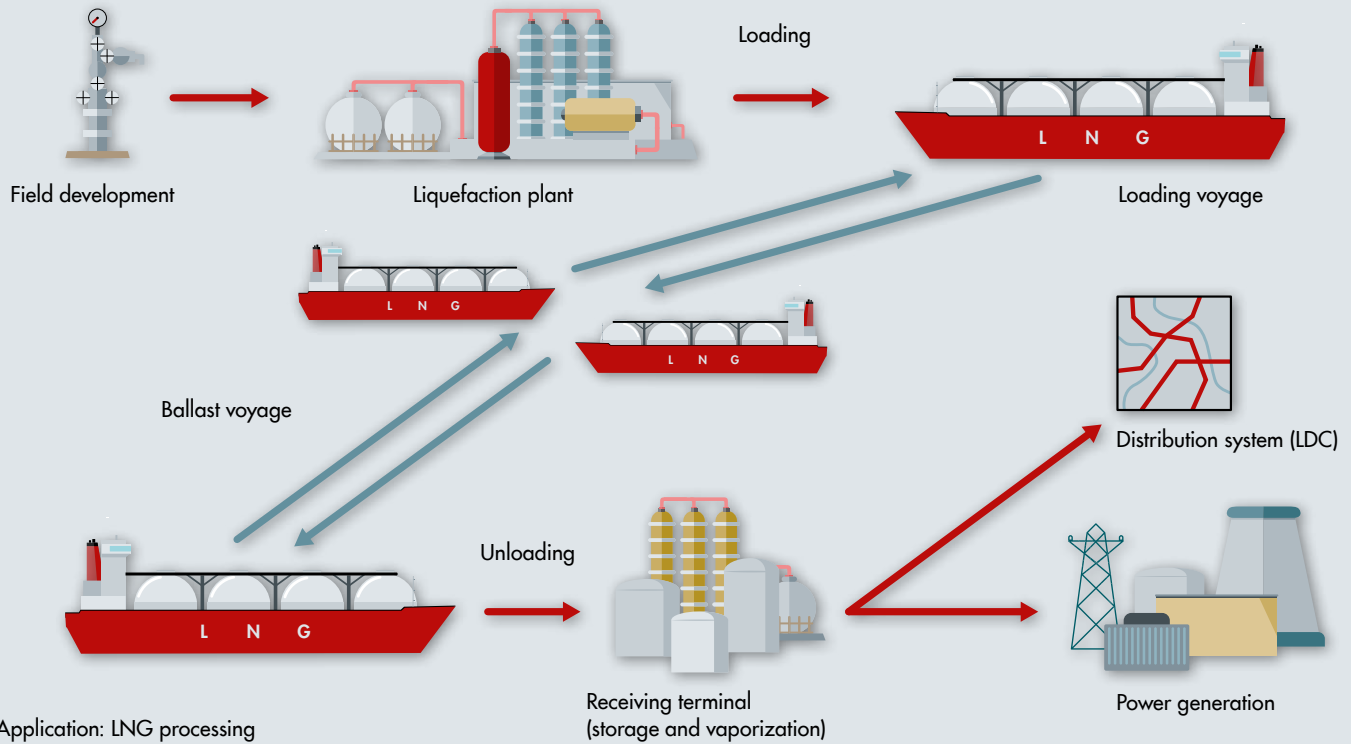


Developed for the future needs of our customers Cryogenic applications for Liquid Natural Gas (LNG)

- Top-entry design for high energy efficiency and low cost of operation
- Small actuator sizes thanks to the standard use of pressure balancing
- Cage guidance facilitates maintenance with SAMSON's own top-entry tool
- Special cage design for severe service and high pressure drops



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Customer requirements	Challenges	Solutions
High energy efficiency	Large difference between operating and ambient temperatures	Design allows for seal towards the environment, e.g. by attaching a vacuum jacket
Quick and easy in-line service	Valve may be completely enclosed/insulated	Top-entry design makes it possible to access all parts subject to wear without removal from the enclosure/insulation
Control valve designed to be as compact as possible	High actuating forces required, especially at high pressures	Compact, lightweight actuators can be used thanks to their standard pressure balancing
Severe service conditions, such as high pressure drops, cavitation, flashing etc.	Control severe service conditions, prevent vibration, wear etc.	Rugged cage design

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