Certificate No: LR24144365TA
Issue Date: 14/08/2024
Expiry Date: 13/08/2029

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**SAMSON REGULATION S.A.S**
Address	1-3 Rue Jean Corona, Vaulx-en-Velin, 69120, France
Type	Cryogenic Valves
Description	Globe Control Valves
Trade Name	3241
Application	Marine, offshore and industrial fields for LNG services and process systems Restrictions: Not to be used for emergency shut-down systems and terminal end valves or means to prevent back-flow of cargo. Only types and sizes with prototype cryogenic tests are to be used for piping systems which are required to comply with Chapter 5 of Lloyd´s Register´s Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk.
Specified Standard	Lloyd´s Register´s Rules and Regulations for Classification of Ships, 2024; Lloyd´s Register´s Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, July 2024; IFG code (International Code of Safety for Ship using Gases or other Low Flashpoint Fuels); ASME B16.34; EN 12516

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Torsten Schroeder

Engineering - Piping/ Decarbonisation -
Senior Specialist to Lloyd's Register EMEA
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Ratings

For cryogenic industrial service
sizes: ½" to 6", Class 150/300
body/extension/bonnet material: casting A351 CF8M/A351 CF3M;
forging bar A182 F316L-316L/A479 316-316L

For LNG service and process gas systems*
sizes: 1", 1 ½", 2", 3" and 4", Class 150/300;
DN25, PN40;
body/extension/bonnet material: casting A351 CF8M/1.4408;
forging bar A182 F316L-316L/A479 316-316L/1.4404
*) other sizes on request require additional cryogenic type tests
Temperature range: -196°C to 450°C
(pressure/temperature ratings acc. to ASME B16.34 / EN 12516-1)

Other Conditions

The manufacturer's instructions for material selection and installation are to besought. Material A351 CF8M is not to be used for welded connections in marine environment. Only the low carbon types C ≤ 0.03% are to be used here.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21354800TA-01 (19/20053)

The Design Appraisal Document TSO/24-015098 (prev. HTS/ENS 39477-19, Issue No. 2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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