Certificate No: LR2503368TA
Issue Date: 10/07/2024
Expiry Date: 09/07/2029

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	**KSB SAS**
Address	10 rue Rémora, Gradignan, 33170, France
Type	Cryogenic Valves
Description	Cryogenic Butterfly valves TRIODIS 150 Cryo – Flanged and Butt-Welded Side Entry
Trade Name	TRIODIS 150 CRYO
Application	Cryogenic valves for use in liquefied gas carriers and system, marine and offshore installations
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, 2024 ANSI B16-34
Ratings	Pressure ANSI Class 150 Temperature -196°C to +220°C Nominal sizes 10", 12", 16", 18", 20", 24", 28" and 30" Seat Material Copper and Stainless Steel

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Torsten Schroeder

Engineering - Piping/ Decarbonisation -
Senior Specialist to Lloyd's Register EMEA
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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: 19/00037

The Design Appraisal Document TSO/24-019929 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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