Certificate No: LR22498512TA
Issue Date: 07/02/2022
Expiry Date: 06/02/2027

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	**Parker Hannifin Manufacturing Ltd**
Address	President Park, President Way, Sheffield, S4 7UR, United Kingdom
Type	Low Temperature Valves
Description	Cryogenic Globe and Check valves for Liquefied gases TYPE 1500/2500/4500 Globe & check valves
Trade Name	Bestobell Marine Valves
Application	Marine
Specified Standard	LR Rules for the Classification of Ships July 2021 LR Rules for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk July 2021 2014 IGC Code - International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in bulk ASTM B31.1, BS EN 1626, BS ISO 21011
Ratings	Max working pressure : See manufacturers documentation Nominal Diameter (DN) : 15, 20, 25, 32, 40, 50, 65, 80 & 100 mm Operating temp. range : -196˚C to +80˚C See manufacturer's documentation and Design Appraisal Document no

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Vahid Saremi Shahab

Lead Offshore Piping Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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17/00017 & LR22498512TA for specific valve types and ratings covered by this approval

Other Conditions All components that form part of the integrated system are to be selected and installed in accordance with the manufacturer's instructions and recommendations.
In all cases the materials are to be suitable for the intended service conditions.

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: 17/00017

The Design Appraisal Document LR22498512TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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