

## **Type Approval Certificate**

This is to certify that the undernoted product has been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

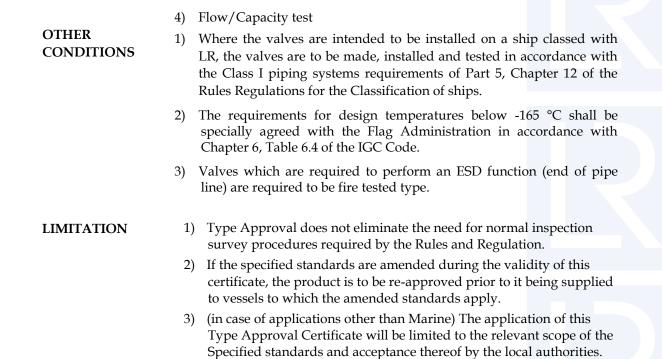
This certificate is issued to:

PRODUCER	BMT Co., Ltd		
PLACE OF PRODUCTION	35, Sanmakgongdannam 11-gil, Yangsan-si, Gyeongsangnam-do, Korea		
DESCRIPTION	Cryogenic Ball Valve with Extended Bonnet		
ТҮРЕ	FCB Series		
APPLICATION	Marine use for cargo tanks and cargo piping systems in ships for carriage of liquefied gasses in bulk		
STANDARD	Lloyd's Register Rules and Regulations for Classification of Ships, Part 5, Chapter 12, Section 5, July 2017 Chapter 5 of Lloyd's Register's Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gasses of Ships (July 2017)		
RATING	Nominal Size (inch) : 3, 4, 6 Nominal Pressure ratings (psi): Class 150 Minimum Service Temperature (°C): -196		
PERFORMANCE TESTS	<ul> <li>The following tests were carried out in accordance with BS 6364:1984,</li> <li>KS B 2101:2003 as applicable with satisfactory results:-</li> <li>1) Burst test</li> <li>2) Cryogenic service test (including bi-directional flow)</li> <li>3) Seat leakage test (including bi-directional flow)</li> </ul>		
Certificate No.	18/40026		
Issue Date	16 April 2018		Lloyd's Register
Expiry Date	15 April 2023	Busan Technical Support Office	
Sheet	1 of 2	Lloyd's Register Asia Y	. D. Kong
	LR031.1.2016.06 Busan Technical Support Office		
	Lloyd's Register Marine & Offshore		

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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 Asia of any modification or changes to the equipment in order to obtain a valid certificate."

*The Design Appraisal Document No.* 18/40026 *and its supplementary Type Approval Terms and Conditions form part of this Certificate.* 

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