

## 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.

<b>Manufacturer</b>	<b>BMT Co Ltd</b>
<b>Address</b>	35, Sanmakgongdannam 11-gil, Yangsan-si, Gyeongsangnam-do, 50568, Republic of Korea
<b>Type</b>	Cryogenic Valves
<b>Description</b>	Cryogenic, Top Entry, Full Bore, Ball Valve
<b>Trade Name</b>	FCB SERIES & FCBT1 SERIES
<b>Application</b>	Marine use for cargo tanks and cargo piping systems in ships for carriage of liquefied gasses in bulk
<b>Specified Standard</b>	Lloyd's Register Rules and Regulations for Classification of Ships, Part 5, Chapter 12, Section5, July 20121 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 2021)
<b>Ratings</b>	<u>FCB SERIES</u> Nominal Size (inch) : ½", ¾", 1", 1½", 2" Design Pressure : 19.0 bar Temperature range (°C): -196 ~ 100  <u>FCBT1 SERIES</u> Nominal Size (inch) : 3",4", 6",8", 10", 12"



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Design Pressure : 19.0 bar  
Temperature range (°C): -196 ~ 100

### Other Conditions

1. Valves are to be selected and installed in accordance with the manufacture's instruction and application international code & Lloyd's Register's Rules and Regulations.
2. Materials are to be selected and tested as per the Lloyd's Register's Rules and Regulations and regulations for the construction and Classification of Ships for the carriage of Liquefied Gases in Bulk.
3. The valves are not to be considered fire safe and therefore shall not be installed wherever fire safe application is required (e.g., ESD, quick closing valves)

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 LR21491732TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

