Certificate No: LR2673443TA
Issue Date: 01/12/2025
Expiry Date: 30/11/2030

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	**Niikura Kogyo Co., Ltd.**
Address	2314-6, Jinba, Gotenba-shi, Shizuoka, 412-0047, Japan
Place of Production	Niikura Kogyo Co., Ltd. Fuji-Gotenba Factory, 2314-5, Jinba, Gotenba-shi, Shizuoka, 412-0047, Japan
Type	High Velocity Pressure/Vacuum Relief Valves
Description	Dual Sealing High Velocity Vent Valve
Trade Name	DHV-F05-08, DHV-F05-10, DHV-F05-13, DHV-F05-15 & DHV-F05-20
Application	To relieve pressure during cargo loading or ballasting and to prevent the passage of flame into inerted and non-inerted cargo tanks on oil tankers, with a minimum MESG of 0.65 mm.
Specified Standard	IMO MSC/Circ. 677, 30 December 1994 IMO MSC/Circ. 1009, 8 June 2001 IMO MEC.1/Circ.1324, 10 June 2009 ISO 15364:2016 ISO 16852:2016
Ratings	Nominal bore sizes (mm) : 125, 150, 200, 200 and 250 Setting pressure (kPa) : 14 to 20

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Yasushi Sawada
Engineering - Machinery - Lead Specialist to
Lloyd's Register Group Limited
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Apparatus Group : IIB (MESG=0.65mm)

Other Conditions

1. Where the valve is intended to be installed on a ship classed or intended to be classed with LR, its position is to be indicated on the cargo tank venting system arrangement plan which is submitted for approval.
2. Sizing is to be in accordance with IMO/MSC/Circ.731, Section 2.5.1 of IMO/MSC/Circ.677 and Chapter II-2, Regulation 11.6 of 1974 SOLAS as amended.
3. The location of valves is to be in accordance with Chapter II-2, Regulation 4.5 and 11.6 of 1974 SOLAS as amended.
4. The installation and maintenance are to be carried out in accordance with the manufacturer's instructions.
5. A copy of the instruction manual as per IMO/MSC/Circ.677 is to be kept onboard the vessel.
6. Suitable arrangements and procedures are to be in place to ensure satisfactory operation in freezing conditions.
7. It is noted that the specified ice thickness is zero (mm).

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 Group Limited of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2074783TA-02

The Design Appraisal Document LR2673443TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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