Certificate No: LR25358125TA
Issue Date: 13/11/2025
Expiry Date: 12/11/2030

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	**Taixing Haixing Marine Machinery Co.,Ltd**
Address	Pioneering Park for Economical and Trade, Industry Zone, Taixing Town, Taixing City, Jiangsu Province, 225400, China
Type	Air Pipe Head
Description	Air pipe automatic closing device (Non-Metallic Ball Type)
Trade Name	HX-L Series (DN300)
Application	Marine and Offshore Applications for Water and Oil Tanks Ventilation
Specified Standard	1. LR Rules and Regulations for the Classification of Ships (July 2025) Part 3, Chapter 12, Section 3 and Part 5, Chapter 13, Section 12 2. Load Lines, 1966/1988-International Convention on Load Lines, 1966, as Amended by the Protocol of 1988, Regulation 20 3. IACS UR P3 “Air pipe closing devices”(Rev.5 Jan.2021) 4. Lloyd's Register Type Approval System Test Specification Number 2, Chapter 9 Appendix 8
Ratings	Nominal bore size (mm) : DN300 80% of Vacuum flow rate velocity (m/s) : 25.99 Maximum Internal and External Pressure : 0.03 MPa Working Temperature Range : -25 to 85 Deg. Celsius

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Prathamesh Pawshe

Engineering Piping - Specialist to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Other Conditions

1. The air vent heads which casings are made of aluminium alloy casting are not to be used for tanks containing combustible liquids, chemicals or tanks and cofferdams in hazardous zones.
2. The air vent head and its components of aluminium alloy material are not to be electrically connected to steel work or other dissimilar metal for the purpose of preventing danger of galvanic corrosion. Manufacturer's installation instruction should be followed and to the satisfaction of the attending Surveyor.
3. The air pipe automatic closing device is not to be used for continuing overflow.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR25358125TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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