Certificate No: LR22150634MR
Issue Date: 29/12/2021
Expiry Date: 28/12/2026

European Union Recognised Organisation (EU RO) Mutual Recognition Type Approval Certificate in accordance with Article 10.1 of EU Regulation 391/2009.

This is to certify to the Manufacturer named below, that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements. The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

This certificate is issued to:

Manufacturer	**Changzhou Huifeng Marine Accessory Produce Co.,Ltd**
Address	No.261 Fumin Road, Lucheng Street, Economic Development Zone, Changzhou, 213000, China
Place of Production	Changzhou Huifeng Marine Accessory Produce Co.,Ltd No.261 Fumin Road, Lucheng Street, Economic Development Zone, Changzhou, 213000, China
Product Type	Air Pipe Head
Description	Automatic closing devices are appliances fitted to air pipes as required by the Protocol of 1988 relating to the International Convention on Load Lines 1966. Automatic closing devices are designed to allow air to enter and leave the tanks freely, when necessary, in order to prevent excessive pressure or vacuum inside the tanks. At the same time, the devices prevent the ingress of seawater into the tanks but allow the passage of liquid from the tanks in case of overfilling.
Trade Name	533HF

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Mohamed Mohamed Rila

Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

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Application

Automatic closing devices are used in marine venting system air pipes of water or oil tanks, except cargo oil tanks, extending above the freeboard or superstructure decks as per Regulation 20 of the International Convention of Load Line.
Exceptions as per Article 5 of the International Convention on Load Lines.

Specified Standard

EU RO Mutual Recognition Technical Requirements, Tier 2 – Air Pipe Automatic Closing Device, Version 0.4, dated 1 July 2018

Ratings

DN50 – DN600

Special Conditions

1. The flame arresting capability of flame screens is excluded from this approval. If the device is fitted with a flame screen, its flame arresting capability is subject to separate approval by the individual RO classing the vessel.
2. Acceptability of the vent heads on tankers within the range of cargo tanks is subject to separate approval by the individual RO classing the vessel.
3. Acceptability of the vent heads on tankers within the range of cargo tanks is subject to separate approval by the individual RO classing the vessel.

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.

The Design Appraisal Document No. LR22150634MR and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. LR2004218MR to which this extension should be attached.

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When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- *American Bureau of Shipping (ABS);*
- *Bureau Veritas (BV);*
- *China Classification Society (CCS);*
- *Croatian Register of Shipping (CRS);*
- *DNV GL;*
- *Indian Register of Shipping (IRS);*
- *Korean Register (KR);*
- *Lloyd's Register Group Ltd. (LR);*
- *Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);*
- *Polish Register of Shipping (PRS);*
- *RINA Services S.p.A. (RINA);*
- *Russian Maritime Register of Shipping (RS).*

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

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