Certificate No: LR26305686TA
Issue Date: 23/07/2026
Expiry Date: 22/07/2031

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	**Ningbo Yonghang Fire-fighting Equipment Co.,Ltd**
Address	Yinzhou District, Wenjiaqiao Village, Jishigang Town, Ningbo, 315171, China
Type	Flexible Hoses
Description	High Pressure Flexible Hose Assemblies YHRG-6.3, ND6.3 -1SN, one steel wire braid reinforced rubber hose with end fittings (Interface: M18x1.5, M16x1.5, M14x1.5, M12x1.5, M10x1, 3/8BSP, G1/8, 3/8UNF) YHRG-12.5, ND12.5 -2SN, two steel wire braid reinforced rubber hose with end fittings (Interface: M22x1.5, M24x1.5, M27x1.5, 1/2BSP, W21.8, G1/2, G7/8)
Trade Name	YHRG-6.3 and YHRG-12.5
Application	Marine/Offshore Fire Extinguishing Systems （CO2, N2, HFC-227ea)
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships (July 2025); ISO 1436:2020, GB/T 3683: 2023 Lloyd's Register Type Approval System Test Specification Number 2 (October 2024)
Ratings	YHRG-6.3 (1SN) - Nominal Diameter : 6.3mm Maximum Working Pressure : 225bar Temperature Range : -40 °C to +100 °C

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Joel De Souza

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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Hydrostatic test pressure : 338 bar

YHRG-12.5 (2SN) -
Nominal Diameter : 12.5mm
Maximum Working Pressure : 280bar
Temperature Range : -40 °C to +100 °C
Hydrostatic test pressure : 420 bar

Other Conditions

For application on a LR classed vessel, the following conditions are to be complied with: -
1. Materials for hoses and fittings are to be manufactured and tested in accordance with the requirements for Class I piping systems.
2. The CO2, N2 and HFC-227ea installation is to be installed in accordance with the manufacturer's instructions and recommendations and the statutory requirements for fire & safety systems.
3. Each flexible hose with end fittings is to be provided with the manufacturer's pressure test report and conformity of the production and the following details are to be permanently marked:
- Manufacturer's name or trademark.
- Date of manufacture (month/ year).
- Designation type reference.
- Nominal diameter.
- Pressure rating.
- Temperature range

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 LR26305686TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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