Certificate No: LR26140844TA
Issue Date: 20/04/2026
Expiry Date: 19/04/2031

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	**OMB Saleri SpA**
Address	Via Rose di Sotto, 38, Brescia, 25126, Italy
Type	Valves - Solenoid Operated
Description	Hydrogen Gas Cylinder On Tank Valve (OTV), including a TPRD, ATEX Zone 1 rated Solenoid Coil, ATEX Zone 1 rated Temperature sensor, Filter, Manual valve, Bleed valve and Excess flow valve (EFV) and variations of configuration. On Tank Valve (OTV) intended Gas Cylinders with a tank connection thread of M52x2 – 6g, supported by a double O-ring sealing. Valve body material Stainless Steel (werkstoff no. 1.4404)
Trade Name	HTV Marina
Application	Gas Cylinder On Tank Valve for H2 feed to Essential & Non-essential Systems on board LR Classed Ships
Specified Standard	LR Type Approval Test Spec 1 & 2 ISO10297:2024
Ratings	Nominal working pressure (NWP) 350 bar Max allowable working pressure (MAWP) 438 bar Temperature range normal operation -40°C/+85°C

Downloaded Copy

Mark Nijhoff
Engineering Piping/Decarbon- Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR26140844TA
Issue Date: 20/04/2026
Expiry Date: 19/04/2031

Type Approval Certificate

TPRD activation temperature +110°C +/-5°C

Other Conditions The Electrical integration of the solenoid has to be arranged on a case by case basis.

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 DAD-ENS-TSO_25-037241-MJN and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.