Certificate No: LR25362120TA
Issue Date: 02/12/2025
Expiry Date: 01/12/2030

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	**NAKAKITA SEISAKUSHO CO., LTD.**
Address	1-1 Fukonominamicho, Daito, Osaka, 574-0075, Japan
Place of Production	Nihon Automatic Controller Mfg. Co., Ltd. 1-2 Fukonominamicho, Daito, Osaka, 574-0075, Japan
Type	Actuator
Description	NS PAC-92 series:- PAC-92-01, PAC-92-02, PAC-92-03, PAC-92-04, PAC-92-05, PAC-92-06, PAC-92-07, PAC-92-08, PAC-92-09, PAC-92-10 & PAC-92-11
Trade Name	Hydraulic Valve Actuator
Application	Marine use. To drive quarter turn valves from full one side to a fail-safe fully they other side position.
Specified Standard	Lloyd's Register (LR) Rules and Regulations for the Classification of Ships (July 2025), Part 5, Chapters 12, 13 & 15 and Part 6, Chapter 1.
Ratings	Moment arm : 35 to 150 mm Design pressure : 137.3 bar Maximum torque rating : 665 to 28,180 kNm

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Yasushi Sawada

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

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Other Conditions

Where the actuators are intended to be installed on a ship classed with LR, the following conditions are applicable: -

1. The materials are to satisfy the requirements of the Rules for the Manufacture, Testing and Certification of Materials.
2. The valves, actuators and controls are to be installed in accordance with LR approved plans and manufacturer's instructions, and tested to LR's Surveyor's satisfaction.

The valid reports of the audit assessment of the Production Quality Assurance system (PQA) are to be retained for each place of production.

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: LR2044402TA-02

The Design Appraisal Document LR25362120TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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