



NIPPON KAIJI KYOKAI

COPY

TYPE APPROVAL CERTIFICATE

Certificate No. TA23387M

This is to certify that the undernoted product(s) has been approved in accordance with the relevant requirements of "Rules for the Survey and Construction of Steel Ships", "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use" as specified below, and that the product(s) is found to comply with "International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code)" as amended by Res.MSC.370(93) and "International Code of Safety for Ships using Gases or other Low-Flashpoint Fuels (IGF Code)" as adopted by Res.MSC.391(95).


This certificate is issued to


Manufacturer:	SAMSON AKTIENGESELLSCHAFT
Product description:	Valves for Low Temperature Service
Type designation(s):	3251
Applied requirement:	<ul style="list-style-type: none">• Chapter 5 Part N Annex 1, Guidance for the Survey and Construction of Steel Ships• Chapter 5 Part GF Annex 1, Guidance for the Survey and Construction of Steel Ships• Part 6, Chapter 2, Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use
Approval No.:	23LA011B

This certificate is valid until **03 September 2028**.

Issued at Tokyo on **04 September 2023**.

The details are described in the attached sheet(s).


(S. Oishi)
General Manager of
Machinery Department



1. Particulars

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Type	Drawing No.	Size (DN)	Maximum Design Pressure [MPa]	Minimum Design Temperature [°C]
3251	1010-5742-SWD 1040-0129 1040-0130 1040-0131	25	37	-196
		40		
		50		
		80	17	
		100		
		150		

2. Notes

- Compatibility with intended fluids is to be otherwise confirmed by the Society.
- The valves are to be used only for control purpose and can be used for flammable fluid (only Methane, Propane and Ethylene) and Nitrogen.
- The valves can be used for steam, heat transfer oil and non-flammable fluid within the design pressure and temperature stated in Table D12.1, Part D of NK Rules.
- Details of construction is to be in accordance with the Manufacture's drawings approved on 04 September 2023 with the following comment.

The materials of below parts are to be in accordance with the relevant requirements of Part K of NK Rules.

Parts No.	Parts Name	Material
1	Body	1.4408 / A351 CF8M
2 or 21, 22	Cover / Flange / Upper part / Insulating part	1.4401 / A182 F316 / A479 316 1.4404 / A182 F316L / A479 316L 1.4408 / A351 CF8M

- Reference is made to Manufacture's document No. T8052EN for details of Cv values.
- Production inspection is required for each product in the presence of the Society's surveyor.

- The End -