



# NIPPON KAIJI KYOKAI

## TYPE APPROVAL CERTIFICATE

Certificate No. TA22075M

**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: **Control Valves for Low Temperature Service**  
Type designation(s): **As per attached sheet**  
Applied requirement: 

- **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.: **22LA002B**

This certificate is valid until 22 February 2027.

Issued at Tokyo on 23 February 2022.

See the conditions on the attachment.

(T. Shimada)  
General Manager of  
Machinery Department

**Condition for approval**

1. Particulars

Type	Drawing No.	Size (DN)	Maximum Design Pressure [MPa]	Minimum Design Temperature [°C]	Fluid
3256	1010-5748-SWD/3d 1040-0138/01 1040-0139/01	DN 15 DN 25 DN 40 DN 50	37	-196	Methane Nitrogen Ethylene

2. The valves are to be used only for control purpose and can be used for steam, heat transfer oil and non-flammable liquids within the design pressure and temperature stated in Table D12.1, Part D of NK Rules.

3. Compatibility with intended cargoes is to be otherwise confirmed by the Society.

4. Details of construction is to be in accordance with the Manufacture’s drawing approved on 23 February 2022 with the following comments.

Comments:

3.2 Certificate is to be certified by NK Surveyor for the following parts.

Part No.1	Body	A 351 CF8M
Part No.2 or 21	Bonnet	A 479 316 / A 479 316L A 351 CF8M A 182 F316 / A 182 F316L

5. Reference is made to Manufacture’s document No. T8066EN for details of Cv values.

6. Production inspection is required for each product in the presence of the Society’s surveyor.

- The End -