



NIPPON KAIJI KYOKAI

COPY

TYPE APPROVAL CERTIFICATE

Certificate No. TA21407M

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:	Three-way Valves for Low Temperature Service
Type designation(s):	As per attached sheet
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.:	21LA013B

This certificate is valid until 15 August 2026.

Issued at Tokyo on 16 August 2021.

See the conditions on the attachment.

(T. Shimada)
General Manager of
Machinery Department

Condition for approval

1. Particulars

Type	Drawing No.	Maximum Size	Maximum Design Pressure [MPa]	Minimum Design Temperature [°C]	Fluid
3244	1040-0231/05 1040-0234/05 1040-0235/04	DN150	5.0	-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 16 August 2021 with the following comments.

Comments;

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

Part No.1 Body CF8M & A182F316(L)

Part No.2 Cover CF8M & A182F316(L)

Part No.21, 22 Extension/ bellow piece A182F316(L)/ 316Ti

5. Reference is made to Manufacture's document No. T8026EN for details of Cv values.

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

- The End -