

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Globe Valve

with type designation(s)
NS-7465, NS-7466

Issued to

Nakakita Seisakusho Co., Ltd.
Daito-city, Japan

is found to comply with

DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL class programme DNVGL-CP-0186 – Type approval – Valves

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL

TEMPERATURE REGULATING VALVES

Type:	Temperature range:	Max. working press.:	Sizes:
NS-7465	119°C to 187°C	2 bar to 12 bar	DN 15 to DN 25
NS-7466	119°C to 187°C	2 bar to 12 bar	DN 32 to DN 50

Issued at **Hamburg** on **2017-02-02**

This Certificate is valid until **2022-02-01**.

DNV GL local station: **Kobe**

for **DNV GL**

Approval Engineer: **Guido Friederich**

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Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Control valve combined with a control thermostat including temperature sensor.
The temperature sensor immersed in an operating pipe fluid acts on the valve trim via the control thermostat which moves the valve trim depending on the change of the temperature measurement. Depending on an increased or decreased temperature the valve trim will either be moved to a closed or open position.

Valve type: NS 7465; Valve sizes: DN 15 to DN 25
Valve type: NS 7466; Valve sizes: DN 32 to DN 50

Application/Limitation

Installation for use in service conditions with saturated steam.

Materials, valve body and bonnet: JIS Cast steel SCPH2
JIS Copper alloy CAC406(BC6)
Medium: Saturated steam
Design pressure: 2 bar to 12 bar
Temperature range: 119°C to 187°C
Adjusting temperature range: 40°C to 130°C

Valves to be delivered with material certificates in accordance with
DNV GL Rules Pt.4 Ch. 6 –Piping systems, Section 2 –Materials, Table 3 – Material Certificates

Limitation:

Valve types may be installed in class III and class II piping only.
Valve types not suitable for flammable media.

Remark:

The selection of the valves for the corresponding service and correct installation are to be in accordance with the instructions of the manufacturer.

Type Approval documentation

Tests carried out

- Pressure test of valve, test pressure in amount of 1,5 times the design pressure
- Operational test of complete assembled valve.

Marking of product

For traceability to this type approval each valve shall be marked on its type plate with the following minimum information:

- Manufacturer's name and/or trade mark
- Valve type and size
- Design pressure
- Design temperature
- Arrow to indicate direction of flow on one way flow valves

Periodical assessment

A condition for retention of the Type Approval Certificate in its validity period is that periodical assessments are successfully carried out.

The objective of the periodical assessment is to verify that the conditions for the type approval have not been altered. The main scope of the periodical assessment will normally include:

Job Id: **262.1-021035-1**
Certificate No: **TAP00000U1**

- Verification of the TA applicant's production and quality system w.r.t ensuring continued consistent production of the type approved products at the TA applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the TA documentation and that this is still used as a basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking

END OF CERTIFICATE