

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pressure Regulator**with type designation(s)
NS770C Filter Regulator

Issued to

Nakakita Seisakusho Co., Ltd.
Daito, Japanis found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems**Application :****Products approved by this certificate is accepted for installation on all vessels classed by DNV GL.****Temperature range:** up to +60°C**Max. working press.:** 15 bar**Sizes:** 1/4 "Issued at **Hamburg** on **2018-06-26**This Certificate is valid until **2023-06-25**.DNV GL local station: **Kobe**for **DNV GL**Approval Engineer: **Christian Kaemmer**

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.



Job Id: **262.1-025958-1**
Certificate No: **TAP00001D5**

Product description

Hand operated, spring loaded pressure regulator with filter inlet consisting of main parts: Bonnet, body, filter case, pilot valve, spring, handle, valve seat, diaphragm.

Spring-opposed diaphragm actuator position the valve-plug in the valve seat.

The filter regulator of type NS770C is type-approved in pipe class III to regulate compressed air.

Material Body, Filter Case Bonnet	Aluminium die cast
Material Filter	Bronze
Primary Pressure (inlet)	10.0 bar
Secondary Pressure (outlet)	0.2 bar to 5.0 bar
Flow Capacity	60 litres / min

Type Approval documentation

Production testing

The filter regulator shall be subject to a pressure test at 1.5 times the maximum working pressure and shall be delivered with the pressure test report with reference to the type approval certificate.

Marking of product

For traceability to this type approval, each pressure regulator is to be marked with:

Manufacturer's name
Type, Size
Maximum working pressure M.A.W.P.

Periodical assessment

For retention of the type approval certificate periodical assessments shall be carried out at production places by DNVGL surveyor.

The objective of the periodical assessment is to verify that the design and production conditions for the type approval have not been altered.

Main scope of the assessment:

- verification of the production and quality control system
- review of quality control documentation of recent deliveries
- review of drawings in production to verify any design changes which may have an impact on data specified in the type approval certificate, performance and range of application
- verification of the product marking

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.