DNV·GL

Certificate No:
TAP00001FN

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cylinder Positioner

with type designation(s)
NS739

Issued to
Nakakita Seisakusho Co., Ltd.
Daito, Japan

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems

Application :

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

Supply pressure	**3 bar up to 7 bar**
Signal pressure	**0.2 bar up to 1 bar**
Operating Temeratures	**+5°C up to +60°C**
Cylinder dimensions	**Diameter: 40 mm or larger / Stroke: 300 mm or shorter**

Issued at **Hamburg** on **2018-09-12**
This Certificate is valid until **2023-09-11**.
DNV GL local station: **Kobe**

Approval Engineer: **Christian Kaemmer**

for **DNV GL**

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.

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Product description

Cylinder Positioner consisting of the main parts:
Cover, cover disk, body, spring, spool, diaphragm, power cylinder.

The cylinder positioner of type NS739 is type-approved for the use in pipe class III.

Part Name	**Material**
Cover, Body	Aluminium die cast
Cover disk	Aluminium die cast
Spring	SWPB
Spool	SUS 440
Diaphragm	NBR

Type Approval documentation

Marking of product

For traceability to this type approval, each cylinder positioner 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.