

TYPE APPROVAL CERTIFICATE

Certificate No:
TAP000004W
Revision No:
1

This is to certify:

That the Butterfly Valves

with type designation(s)
2123 double flanged centric, 2502V Lug type centric, 2302V Wafer type centric

Issued to
Tianjin Galaxy Valve Co.,Ltd
TIANJIN TIANJIN, China

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is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition July 2015
DNV GL class programme CP-0186 – Type Approval of valves

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

The approval is valid for machinery & cargo piping systems.

Type:	Temperature range:	Max. working press.:	Sizes:
2123 double flanged centric	EPDM: -20°C to +110°C, NBR: -10°C to +80°C, Viton: -10°C to +150°C	PN10/16	DN50 - DN600
2502V Lug type centric	EPDM: -20°C to +110°C, NBR: -10°C to +80°C, Viton: -10°C to +150°C	PN10/16/25	DN50 - DN250: (PN25) DN50 - DN700: (PN16) DN50 - DN700: (PN10)
2302V Wafer type centric	EPDM: -20°C to +110°C, NBR: -10°C to +80°C, Viton: -10°C to +150°C	PN10/16/25	DN50 - DN250: (PN25) DN50 - DN700: (PN16) DN50 - DN700: (PN10)

This Certificate is valid until **2020-12-31**.

Issued at **Høvik** on **2016-03-31**

DNV GL local station: **Tianjin**

Approval Engineer: **Tom Berg-Nielsen**

for **DNV GL**



Digitally Signed By: **Marveng, Marianne Spæren**
Location: **DNV GL Høvik, Norway**
Signing Date: **31.03.2016**

Marianne Spæren Marveng
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.