

TYPE APPROVAL CERTIFICATE

Certificate No:
TAP00000KD
Revision No:
2

This is to certify:

That the Globe Valve

with type designation(s)
01252, 03252, 01272, 03272

Issued to

HEROSE G.M.B.H. ARMATUREN UND METALLE
Bad Oldesloe, Schleswig-Holstein, Germany

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers
DNV class programme DNV-CP-0186 – Type approval – Valves
DNV offshore standards

Application :

Bellow sealed globe valves.

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

For installation on Offshore units the requirements specified in the applicable DNV Rules for Classification of Offshore units (RU-OU) are to be observed.

Type:	Temperature range:	Max. working press.:	Sizes:
01252, 03252	-196°C to +120°C	PN 50	DN 10 to DN 50
01272, 03272	-255°C to +120°C	PN 50	DN 10 to DN 50

Issued at **Hamburg** on **2022-11-28**

for **DNV**

This Certificate is valid until **2027-11-27**.

DNV local unit: **Essen**

Approval Engineer: **Ana Cristina Do Carmo Insfran**

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Sven Klingner
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Type 01252 Globe valves

Bellow sealed globe valve.
 Butt weld or socket weld connection or stainless steel stubs according to DIN EN ISO 1127 or ASTM A312

Materials:

Body	Mat.no 1.4308	ASTM A351 CF8
Valve seal:	PTFE/Carbon filled 25 %	
Disc	Mat.no 1.4301	ASTM A276 Grade 304
Bonnet gasket	PTFE	
Headpiece	Mat.no 1.4301	ASTM A276 Grade 304
Bellow stem:	Mat.no 1.4571	ASTM A276 Grade 321
Bolts:	Mat.no 1.4301/A2	ASTM A194 B8
Bellow:	Mat.no 1.4571	ASTM A276 Grade 321
Elongation tube	Mat.no 1.4541	ASTM A213 TP 321
Upper part	Mat.no 1.4301	ASTM A276 Grade 304
Bush:	CW452K	ASTM B103 Alloy A
Stem	Mat.no 1.4301	ASTM A276 Grade 304
Gland packing:	Graphite/PTFE	
Gland nut:	Mat.no 1.4305	ASTM A276 Grade 303
Handwheel	Aluminum Alloy	

Size range: DN 10, 15, 20, 25, 32, 40, 50

Type 01272 Globe valves

Bellow sealed globe valve.
 Butt weld or socket weld connection or stainless steel stubs according to DIN EN ISO 1127 or ASTM A312

Materials:

Body	Mat.no 1.4409	ASTM A351 CF3M
Valve seal:	PCTFE	
Disc	Mat.no 1.4404	ASTM A276 Grade 316L
Bonnet gasket	Graphite	
Headpiece	Mat.no 1.4404	ASTM A276 Grade 316L
Bellow stem:	Mat.no 1.4571	ASTM A276 Grade 316Ti
Bolts:	Mat.no 1.4571/A4	ASTM A194 B8T
Bellow:	Mat.no 1.4571	ASTM A276 Grade 316Ti
Elongation tube	Mat.no 1.4571	ASTM A276 Grade 316Ti
Upper part	Mat.no 1.4404	ASTM A276 Grade 316L
Bush:	CW452K	ASTM B103 Alloy A
Stem	Mat.no 1.4404	ASTM A276 Grade 316L
Gland packing:	Graphite/PTFE/Mica	
Gland nut:	Mat.no 1.4305	ASTM A276 Grade 303
Handwheel	Aluminum Alloy	

Size range: DN 10, 15, 20, 25, 32, 40, 50

Product description - continuation

Type 03252 Globe valves

Bellow sealed globe valve.
 Flanged connection acc. to DIN EN 1092-1 PN40 or ANSI B16.5 Class 150 and 300

Materials:

Body	Mat.no 1.4308	ASTM A351 CF8
Valve seal:	PTFE/Carbon filled 25 %	
Disc	Mat.no 1.4301	ASTM A276 Grade 304
Bonnet gasket	PTFE	
Headpiece	Mat.no 1.4301	ASTM A276 Grade 304
Bellow stem:	Mat.no 1.4571	ASTM A276 Grade 321
Bolts:	Mat.no 1.4301/A2	ASTM A194 B8
Bellow:	Mat.no 1.4571	ASTM A276 Grade 321
Elongation tube	Mat.no 1.4541	ASTM A213 TP 321
Upper part	Mat.no 1.4301	ASTM A276 Grade 304
Bush:	CW452K	ASTM B103 Alloy A
Stem	Mat.no 1.4301	ASTM A276 Grade 304
Gland packing:	Graphite/PTFE	
Gland nut:	Mat.no 1.4305	ASTM A276 Grade 303
Handwheel	Aluminum Alloy	

Size range: DN 15, 20, 25, 40, 50

Type 03272 Globe valves

Bellow sealed globe valve.
 Flanged connection acc. to DIN EN 1092-1 PN40 or ANSI B16.5 Class150 and 300

Materials:

Body	Mat.no 1.4409	ASTM A351 CF3M
Valve seal:	PCTFE	
Disc	Mat.no 1.4404	ASTM A276 Grade 316L
Bonnet gasket	Graphite	
Headpiece	Mat.no 1.4404	ASTM A276 Grade 316L
Bellow stem:	Mat.no 1.4571	ASTM A276 Grade 316Ti
Bolts:	Mat.no 1.4401/A2	ASTM A194 B8M
Bellow:	Mat.no 1.4571	ASTM A276 Grade 316Ti
Elongation tube	Mat.no 1.4571	ASTM A213 TP 316Ti
Upper part	Mat.no 1.4571	ASTM A276 Grade 316Ti
Stem	Mat.no 1.4404	ASTM A276 Grade 316L
Gland packing:	Graphite/PTFE	
Gland nut:	Mat.no 1.4404	ASTM A276 Grade 316L
Handwheel	Aluminum Alloy	

Size range: DN 15, 20, 25, 40, 50

Application/Limitation

Valves may be used for compressed air, vapours, nitrogen, oxygen, cryogenic liquified gases including LNG.

Globe valve types	Working temperature
01252, 03252	-196°C to +120°C
01272, 03272	-255°C to +120°C

Pressure rating: PN50

Type Approval documentation

Type Approval Application dated on 2022-08-02

Type Approval Assessment Report dated on 2022-10-19

Approval Letter _ Approval of valve bodies with double walled valve ends Doc. Order: A1112823-1 dated on 2021-11-08

Drawings Nr.: 01252-DNXX dated on 2020-02-22

01272-X-00XX dated on 2015-10-21

03272-X-00XX and 03252-X-00XX dated on 2019-10-02

Test report from TÜV Nord dated 04.10.2007 and 25.02.2005

Tests carried out

Burst test

Marking of product

For traceability to this type approval the valves are to be marked with:

- Manufacturer's name and/or trade mark
- Valve type designation
- Valve size
- Design pressure
- Design temperature
- Arrow for indication of flow direction

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with.

Refer to DNV CP-0338, Sec.4.

The certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE