TYPE APPROVAL CERTIFICATE

Certificate no.:
TAP00000NW
Revision No:
2

This is to certify:

that the Valve for Liquefied Gas

with type designation(s)
Check Valve - BW (Butt Welded), RF (Raised Face flange), RTJ (Ring Type Joint flange)

issued to
AMPO S.C.
Idiazabal, Gipuzkoa, **Spain**

is found to comply with
DNV class programme DNV-CP-0186 – Type approval – Valves
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers
DNV rules for classification – Ships Pt.6 Ch.2 Sec.5 Gas fuelled ship installations – Gas fuelled LNG
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021

Application:

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

Issued at **Hamburg** on **2025-12-31**

for **DNV**

This Certificate is valid until **2030-12-30**.
DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Thilo Pabst**

Digitally Signed By:
Sven Klinger
Location: DNV Hamburg, Germany

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 USD 300 000.

Product description

Stainless steel globe valves with extended stem. Butt Welded (BW) and flanged types: Raised Face (RF) and Ring Type Joint (RTJ) are covered.

Material:

Body:	ASTM A351 - CF8M/CF3M
Disc:	ASTM A351 - CF3M/CF8M+Stell-6
Bonnet:	ASTM A351 - CF8M/CF3M
Body Bonnet Gasket:	Spiral Wound 316 + GRAPHOIL
Nut:	ASTM A 479 - Gr. 316
Washer/Disc Pin	ASTM A 479 - Gr. 316

Application/Limitation

Valves covered by this certificate are approved for use in ship's cargo handling piping systems (Pt.5 Ch.7 -Liquefied Gas Tanker), piping systems according Pt.4 Ch.6 – Piping Systems and Pt.6 Ch.2 Sec.5 (LNG fuel ship installation) according to mentioned temperature range.

Materials and material protection chosen for the specific system shall be suitable for the intended medium and environmental conditions.

Service : Liquefied Gas - Cryogenic Service

Temperature range : +200°C down to -196°C

Pressure rating / Sizes :

Pressure ratings (ANSI Class)	Sizes (inches)
150	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
300	3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12,14, 16, 18
600	½, 1, 1 ½, 2, 3, 4, 6, 8, 10,14, 16, 18
900	2, 3, 4, 6, 8, 10, 12, 14, 16

Max. working pressure according to ASME B16.34, table 2-2.2 for group 2.2 materials for the relevant pressure class. Flanges are according to ANSI B16.5

Limitation

Valves are not approved for:

- other than covered by DNV Rules as mentioned above, especially:
  Liquid and gaseous hydrogen and for media specified as toxic and/or dangerous fluids (e.g. Methanol - CH_3OH, Ammonia – NH_3, …).

- Valves covered by this certificate are not to be considered wherever a vibration test is required (e.g. Shut off or quick closing valves)
  Reference is made to DNV CP-0186

- Valves of austenitic stainless steel shall not be used in direct contact with seawater.
  Reference is made to DNV Rules for Ships Pt.4 Ch.6 Sec.2

- Actuator and/or other equipment for remote control of the valves (if applicable) are not included in this TA Certificate.

- Evaluation of flow or capacity are not covered under the scope of approval.

Type Approval documentation

Renewal 2026 – update Temp. Range and Rule set Pt.6 Ch.2 Sec.5 added
- Marking information
- Production locations Status_AMPO TAP00000NB-NV-NW-NX
- TA-Assessment report Renewal_2025-11-12 / Leioa

Manufacturer:
AMPO S.C. Idiazabal, Gipuzkoa / Spain

Documentation to previous revisions of this Type Approval Certificate to find in the corresponding revision under DNV Ref.-Nos. 262.1-004551 and in the TA Certificate nos. P12649, P-14535

Tests carried out

Pneumatic and Hydrostatic leakage test (seat and body), Cryogenic leakage (seat and body) and functional test, Fire Test

Production testing

Has to be done according to application via DNV RU-Ship Pt.4 Ch.6 Sec.9 in general and via DNV RU-Ship Pt.5 Ch.7 Sec.5 (Gas as Cargo) and DNV RU-Ship Pt.6 Ch.2 (Gas as Fuel).

Certification for LNG applications:

Material certificate shall be according to DNV RU-Ship: Pt.4 Ch.6 Sec.2, Pt.5 Ch.7 Sec.1, Pt.6 Ch.2
For cryogenic applications a charpy impact test is required: DNV RU-Ship Pt.5 Ch.7 Sec.6

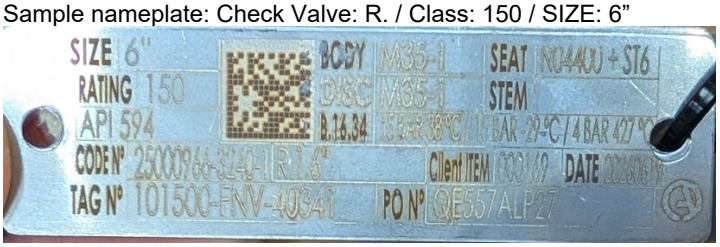
Marking of product

For traceability of products, marking shall be legible and indelible.
Products are to be marked at least as follows*:

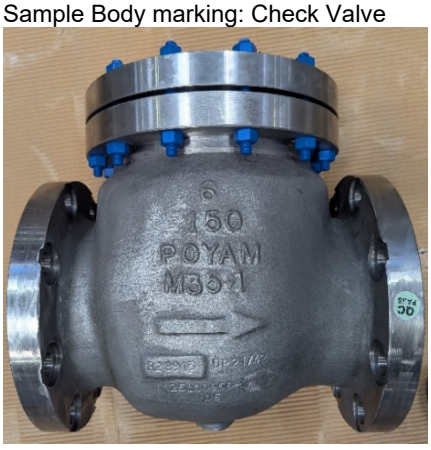
- manufacturer's name or trademark
- valve type designation
- size
- maximum design pressure and temperature
- Valve Body - arrow to indicate direction of flow (one-way flow valves)
- material
- minimum design temperature (only for cryogenic applications)

*depending on customer/project requirements, different marking to samples at the column right are possible.

Sample nameplate: Check Valve: R. / Class: 150 / SIZE: 6”



Sample Body marking: Check Valve



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 approval are complied with.
Reference is made to DNV-CP-0338.

To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAP00000NX
Revision No:
3

This is to certify:

that the Valve for Liquefied Gas

with type designation(s)
Ball Valves - BW (Butt Welded), RF (Raised Face flange), RTJ (Ring Type Joint flange)

issued to
AMPO S.C.
Idiazabal, Gipuzkoa, Spain

is found to comply with
DNV class programme DNV-CP-0186 – Type approval – Valves
DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers
DNV rules for classification – Ships Pt.6 Ch.2 Sec.5 Gas fuelled ship installations – Gas fuelled LNG
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021

Application:

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

Issued at **Hamburg** on **2025-12-31**

This Certificate is valid until **2030-12-30**.
DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Thilo Pabst**

for **DNV**

Digitally Signed By:
Sven Klinger
Location: DNV Hamburg, Germany

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

Stainless steel ball valves with extended stem. Butt Welded (BW) and flanged types: Raised Face (RF) and Ring Type Joint (RTJ) are covered. Top entry or split body.

Material:

Body:	ASTM A351 - CF8M / CF3M
Bonnet:	ASTM A351 - CF8M / CF3M
Ball:	ASTM A351 - CF8M / CF3M
Stem	ASTM A479 - Gr.316
Gland Bushing/Flange:	ASTM A479 - Gr. 316 / ASTM A 240 Gr. 304
Stud Bolt:	ASTM A 320.- Gr.8 Class 2
Nut:	ASTM A 194 - Gr. 8
Gasket (Trim):	SW (GRAPHITE)
Seal (lips seal / O-ring):	PCTFE, PEEK, PTFE, DEVLON

Application/Limitation

Valves covered by this certificate are approved for use in ship's cargo handling piping systems (Pt.5 Ch.7 -Liquefied Gas Tanker) and piping systems according Pt.4 Ch.6 – Piping Systems and Pt.6 Ch.2 Sec.5 (LNG fuel ship installation) according to mentioned temperature range.

Materials and material protection chosen for the specific system shall be suitable for the intended medium and environmental conditions.

Service : Liquefied Gas - Cryogenic Service

Temperature range : max. +200°C down to min. -196°C
The valve operating temperature range depends on the selection of synthetic materials in each specific case.
The design and construction of the valve remain unchanged; however, the choice of materials directly affects the applicable temperature range.
Instruction by manufacturer, datasheets and P/T charts for used materials are to be observed accordingly.
The packing material will always be graphite.
For the sealing elements, lip seals or O-rings will be used.
Depending on the brand and type of seal selected, the operating temperature range can differ from Temperature range of: max. +200°C down to min. -196°C
Sealing material options are PCTFE (KEL-F), PEEK, PTFE, PTFE + 25% C, DEVLON

Pressure rating/ Sizes :

Pressure ratings (ANSI Class)	Sizes (inches)
150	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
300	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 16, 18, 20, 24
600	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
900	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
1500	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 20

Max. working pressure according to ASME B16.34, table 2-2.2 for group 2.2 materials for the relevant pressure class.
Flanges are according to ANSI B16.5

Limitation

Valves are not approved for:
- other than covered by DNV Rules as mentioned above, especially:
Liquid and gaseous hydrogen and for media specified as toxic and/or dangerous fluids (e.g. Methanol - CH_3OH, Ammonia – NH_3, …).

- Valves with bodies that are assembled by bolts shall not be used on ship's side or bottom.
Reference is made to Pt.4 Ch.6 Sec.9

- Valves covered by this certificate are not to be considered wherever a vibration test is required (e.g. Shut off or quick closing valves)
Reference is made to DNV CP-0186

- Valves of austenitic stainless steel shall not be used in direct contact with seawater.
Reference is made to DNV Rules for Ships Pt.4 Ch.6 Sec.2

- Actuator and/or other equipment for remote control of the valves (if applicable) are not included in this TA Certificate.

- Evaluation of flow or capacity are not covered under the scope of approval.

Type Approval documentation

Renewal 2026 – update Temp. Range, Rule set Pt.6 Ch.2 Sec5 added, Design change split body ≥ 8”
- Doc Changes/Design Improvement - Ball Valves_2026-01 (changes in Split Body ≥ 8")
- Test Program NEW design – ambient & cryogenic tightness + Body (1.5) and Seat (1.1) pressure test
- Low temp test report no. 25001092_120_LTC_00__001_00Rv0_dated 2026-02-17
- Hydrostatic, Pneumatic, Functional test report no. 25001092_120_HPT_00__001_00Rv0_dated 2026-02-20 both DNV witnessed
- Datasheets of Non-Metallic Materials incl. P/T chart
- Marking information
- Production locations Status_AMPO TAP00000NB-NV-NW-NX
- TA-Assessment report Renewal_2025-11-12 / Leioa

Manufacturer:
AMPO S.C. Idiazabal, Gipuzkoa / Spain

Documentation to previous revisions of this Type Approval Certificate to find in the corresponding revision under DNV Ref.-Nos. 262.1-004551 and in the TA Certificate nos. P-12651, P-14536.

Tests carried out

Pneumatic and Hydrostatic leakage test (seat and body), Cryogenic leakage (seat and body) and functional test, Fire Test.

Production testing

Has to be done according to application via DNV RU-Ship Pt.4 Ch.6 Sec.9 in general and via DNV RU-Ship Pt.5 Ch.7 Sec.5 (Gas as Cargo) and DNV RU-Ship Pt.6 Ch.2 (Gas as Fuel).

Certification for LNG applications:

Material certificate shall be according to DNV RU-Ship: Pt.4 Ch.6 Sec.2, Pt.5 Ch.7 Sec.1, Pt.6 Ch.2
For cryogenic applications a charpy impact test is required: DNV RU-Ship Pt.5 Ch.7 Sec.6

Marking of product

For traceability of products, marking shall be legible and indelible.
Products are to be marked at least as follows*:

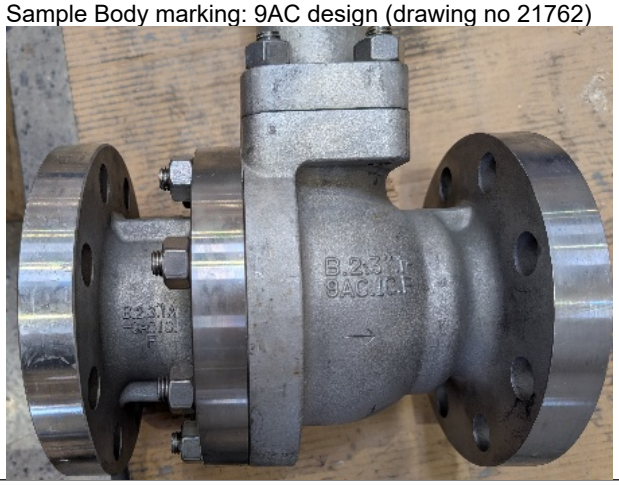
- manufacturer's name or trademark
- valve type designation
- size
- maximum design pressure and temperature
- Valve Body - arrow to indicate direction of flow (one-way flow valves)
- material
- minimum design temperature (only for cryogenic applications)

*depending on customer/project requirements, different marking to samples at the column right are possible.

Sample nameplate (Ball Valve: B.1.3 / Class: 150 / SIZE: 3" x 2 ½")



Sample Body marking: 9AC design (drawing no 21762)



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 approval are complied with.
Reference is made to DNV-CP-0338.

To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAP00000NB
Revision No:
3

This is to certify:

that the Valve for Liquefied Gas

with type designation(s)
Gate Valves - BW (Butt Welded), RF (Raised Face flange), RTJ (Ring Type Joint flange)

issued to
AMPO S.C.
Idiazabal, Gipuzkoa, Spain

is found to comply with
DNV class programme DNV-CP-0186 – Type approval – Valves
DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers
DNV rules for classification – Ships Pt.6 Ch.2 Sec.5 Gas fuelled ship installations – Gas fuelled LNG
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021

Application:

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

Issued at **Hamburg** on **2025-12-31**

This Certificate is valid until **2030-12-30**.
DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Thilo Pabst**

for **DNV**

Digitally Signed By:
Sven Klinger
Location: DNV Hamburg, Germany

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Product description

Stainless steel Gate valves with extended stem. Butt Welded (BW) and flanged types: Raised Face (RF) and Ring Type Joint (RTJ) are covered.

Material:

Body:	ASTM A351 -CF8M/CF3M
Bonnet:	ASTM A351 - CF8M/CF3M
Ball:	ASTM A479 - Gr.316
Stem:	ASTM A479 - Gr.316
Gland Bushing/Flange:	ASTM A479 - Gr. 316 / ASTM A 240 - Gr. 304
Stud Bolt:	ASTM A 193 - Gr. B8
Nut:	ASTM A 194 - Gr. 8
Gasket and packing:	GRAPHOIL, GRAPHOIL+316 SS

Application/Limitation

Valves covered by this certificate are approved for use in ship's cargo handling piping systems (Pt.5 Ch.7) and fuel piping systems according Pt.6 Ch.2 Sec.5 (LNG) according to mentioned temperature range.

Materials and material protection chosen for the specific system shall be suitable for the intended medium and environmental conditions.

Service : Liquefied Gas - Cryogenic Service

Temperature range : +200°C down to -196°C

Pressure rating/ Sizes :

Pressure ratings (ANSI Class)	Sizes (inches)
150	1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
300	½, ¾, 1, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
600	½, ¾, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24
900	3, 4, 6, 8, 10, 12, 16, 18

Max. working pressure according to ASME B16.34, table 2-2.2 for group 2.2 materials for the relevant pressure class. Flanges are according to ANSI B16.5

Limitation

Valves are not approved for:

- Liquid and gaseous hydrogen and for media specified as toxic and/or dangerous fluids incl. ammonia (NH3), methanol (CH3OH).
  For Gas as Cargo installation in ship's system – an additional approval by the flag state administration for each particular ship is needed if medium is not covered by IGF Code or IGC Code* depending on application.

* currently: IGF Code valid for LNG and CNG only. IGC Code does not cover LN2.

- Valves covered by this certificate are not to be considered wherever a vibration test is required (e.g. Shut off or quick closing valves)
- Valves of austenitic stainless steel shall not be used in direct contact with seawater. Reference is made to DNV Rules for Ships Pt.4 Ch.6 Sec.2
- Actuator and/or other equipment for remote control of the valves (if applicable) are not included in this TA Certificate.
- Evaluation of flow or capacity are not covered under the scope of approval.

Type Approval documentation

Renewal 2026 – update Temp. Range and Rule set Pt.6 Ch.2 Sec5 added
- Marking information
- Production locations Status_AMPO TAP00000NB-NV-NW-NX
- TA-Assessment report Renewal_2025-12-30 / Leioa

Manufacturer:
AMPO S.C. Idiazabal, Gipuzkoa / Spain

Documentation to previous revisions of this Type Approval Certificate to find in the corresponding revision under DNV Ref.-Nos. 262.1-004551 and in the TA Certificate nos. P-12647, P-14533.

Tests carried out

Pneumatic and Hydrostatic leakage test (seat and body), Cryogenic leakage (seat and body) and functional test, Fire Test

Production testing

Has to be done according to application via DNV RU-Ship Pt.4 Ch.6 Sec.9 in general and via DNV RU-Ship Pt.5 Ch.7 Sec.5 (Gas as Cargo) and DNV RU-Ship Pt.6 Ch.2 (Gas as Fuel).

Certification for LNG/LPG applications:

Material certificate shall be according to DNV RU-Ship: Pt.4 Ch.6 Sec.2, Pt.5 Ch.7 Sec.1, Pt.6 Ch.2
For cryogenic applications a charpy impact test is required: DNV RU-Ship Pt.5 Ch.7 Sec.6

Marking of product

For traceability of products, marking shall be legible and indelible.
Products are to be marked at least as follows*:

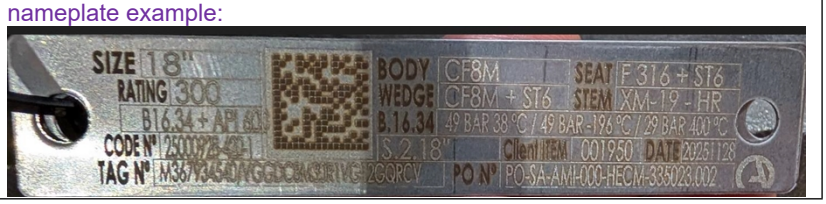
- manufacturer's name or trademark
- valve type designation
- size
- maximum design pressure and temperature
- arrow to indicate direction of flow on one-way flow valves
- material
- minimum design temperature (only for cryogenic applications)

*depending on customer/project requirements, different marking to samples at the column right are possible.

Sample (Gate Valve 18” / Class 300)



nameplate example:



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 approval are complied with.
Reference is made to DNV-CP-0338.

To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAP00000NV
Revision No:
2

This is to certify:

that the Valve for Liquefied Gas

with type designation(s)
Globe Valve - BW (Butt Welded), RF (Raised Face flange), RTJ (Ring Type Joint flange)

issued to
AMPO S.C.
Idiazabal, Gipuzkoa, **Spain**

is found to comply with
DNV class programme DNV-CP-0186 – Type approval – Valves
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers
DNV rules for classification – Ships Pt.6 Ch.2 Sec.5 Gas fuelled ship installations – Gas fuelled LNG
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021

Application:

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

Issued at **Hamburg** on **2025-12-31**

This Certificate is valid until **2030-12-30**.
DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Thilo Pabst**

for **DNV**

Digitally Signed By:
Sven Klinger
Location: DNV Hamburg, Germany

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Product description

Stainless steel globe valves with extended stem. Butt Welded (BW) and flanged types: Raised Face (RF) and Ring Type Joint (RTJ) are covered.

Material:

Body:	ASTM A351 - CF8M/CF3M
Bonnet:	ASTM A351 - CF8M/CF3M
Ball:	ASTM A479 - Gr.316
Stem:	ASTM A479 - Gr.316
Gland Bushing/Flange:	ASTM A479 - Gr. 316/ASTM A 240 Gr. 304
Stud Bolt:	ASTM A 193.- Gr. B8
Nut:	ASTM A 194 - Gr. 8
Gasket and packing:	GRAPHOIL, GRAPHOIL+316 SS

Application/Limitation

Valves covered by this certificate are approved for use in ship's cargo handling piping systems (Pt.5 Ch.7 -Liquefied Gas Tanker) and piping systems according Pt.4 Ch.6 – Piping Systems and Pt.6 Ch.2 Sec.5 (LNG fuel ship installation) according to mentioned temperature range.

Materials and material protection chosen for the specific system shall be suitable for the intended medium and environmental conditions.

Service : Liquefied Gas - Cryogenic Service

Temperature range : +200°C down to -196°C

Pressure rating/ Sizes :

Pressure ratings (ANSI Class)	Sizes (inches)
150	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12, 14, 16
300	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12
600	½, 3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12
900	3/4, 1, 1 ½, 2, 3, 4, 6, 8, 10, 12

Max. working pressure according to ASME B16.34, table 2-2.2 for group 2.2 materials for the relevant pressure class. Flanges are according to ANSI B16.5

Limitation

Valves are not approved for:
- other than covered by DNV Rules as mentioned above, especially:
Liquid and gaseous hydrogen and for media specified as toxic and/or dangerous fluids (e.g. Methanol - CH_3OH, Ammonia – NH_3, …).

- Valves with bodies that are assembled by bolts shall not be used on ship's side or bottom.
  Reference is made to Pt.4 Ch.6 Sec.9

- Valves covered by this certificate are not to be considered wherever a vibration test is required (e.g. Shut off or quick closing valves)
  Reference is made to DNV CP-0186

- Valves of austenitic stainless steel shall not be used in direct contact with seawater.
  Reference is made to DNV Rules for Ships Pt.4 Ch.6 Sec.2

- Actuator and/or other equipment for remote control of the valves (if applicable) are not included in this TA Certificate.

- Evaluation of flow or capacity are not covered under the scope of approval.

Type Approval documentation

Renewal 2026 – update Temp. Range and Rule set Pt.6 Ch.2 Sec.5 added
- Marking information
- Production locations Status_AMPO TAP00000NB-NV-NW-NX
- TA-Assessment report Renewal_2025-11-12 / Leioa

Manufacturer:
AMPO S.C. Idiazabal, Gipuzkoa / Spain

Documentation to previous revisions of this Type Approval Certificate to find in the corresponding revision under DNV Ref.-Nos. 262.1-004551 and in the TA Certificate nos. P-12648, P14534

Tests carried out

Pneumatic and Hydrostatic leakage test (seat and body), Cryogenic leakage (seat and body) and functional test, Fire Test

Production testing

Has to be done according to application via DNV RU-Ship Pt.4 Ch.6 Sec.9 in general and via DNV RU-Ship Pt.5 Ch.7 Sec.5 (Gas as Cargo) and DNV RU-Ship Pt.6 Ch.2 (Gas as Fuel).

Certification for LNG applications:

Material certificate shall be according to DNV RU-Ship: Pt.4 Ch.6 Sec.2, Pt.5 Ch.7 Sec.1, Pt.6 Ch.2
For cryogenic applications a charpy impact test is required: DNV RU-Ship Pt.5 Ch.7 Sec.6

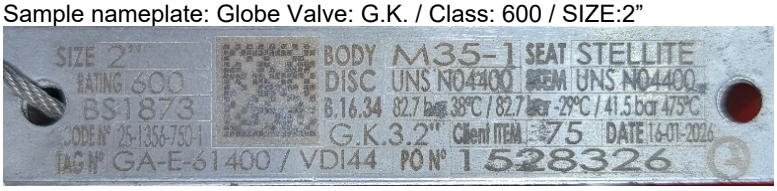
Marking of product

For traceability of products, marking shall be legible and indelible.
Products are to be marked at least as follows*:

- manufacturer's name or trademark
- valve type designation
- size
- maximum design pressure and temperature
- Valve Body - arrow to indicate direction of flow (one-way flow valves)
- material
- minimum design temperature (only for cryogenic applications)

*depending on customer/project requirements, different marking to samples at the column right are possible.

Sample nameplate: Globe Valve: G.K. / Class: 600 / SIZE:2”



Sample Body marking: Globe Valve



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 approval are complied with.
Reference is made to DNV-CP-0338.

To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE