



Marine & Offshore

Certificate number: 21133/D0 BV

File number: ACM 145/2533/3

Product code: 2223I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

DIKKAN GEMI VE ENDUSTRIYEL VANA SAN.TIC. A.S.

IZMIR - Türkiye

for the type of product

CHECK VALVES, NON-RETURN VALVES

Globe Valves SDNR - Straight and Angle type

Requirements:

- BUREAU VERITAS Rules for the Classification of Steel Ships
- BUREAU VERITAS Rules for the Classification of Offshore Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate is a renewal of certificate N° 21133/C0 BV expiring on 09/12/2024

This certificate will expire on: 09 Dec 2029

For Bureau Veritas Marine & Offshore,

At BV ISTANBUL, on 02 Dec 2024,

Gurcan Yilmaz

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=baueur86a6t>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Globe Valves SDNR - Straight and Angle type

1.1 Technical data

Operation	Manual
Dimension (mm)	DN 15 to DN 500
Pressure rating (bar)	PN 4 / 6 / 10 / 16 / 40
Temperature rating (°C)	-10 to 300

* The pressure rating depends on material and size as per manufacturer's specifications

1.2 Material specification

Parts	Materials
Body	Cast iron GG25 / Ductile iron GGG 40.3 / Steel GS-C-25 / AISI 304/316 / Bronze Rg 5 / Rg 10 / CuSn10 / AlBr
Seat	AISI 304/316 / Bronze Rg 5 / Rg 10 / CuSn10 / AlBr
Disc (≤65)	AISI 304/316 / Bronze Rg 5 / Rg 10 / CuSn10 / AlBr / X20Cr13
Disc (≥80)	Ductile iron GGG 40.3 / Steel GS-C-25 / Bronze Rg 5 / Rg 10 / CuSn10 / AlBr / X20Cr13
Disc Surface	AISI 304/316 / Bronze Rg 5 / Rg 10 / CuSn10 / AlBr
Bonnet	Cast iron GG25 / Ductile iron GGG 40.3 / Steel GS-C-25 / Bronze Rg 5 / Rg 10 / CuSn10 / AISI 316-304 / AlBr
Stem	CuZn35Ni / X20Cr13 / AISI 304/316 / CuSn8 / CuSn10 / CuSn12 / AlBr

When other choices of materials are used per manufacturer's recommendations, the BV agreement is to be obtained.

2. DOCUMENTS AND DRAWINGS

Assembly Drawings:

- N° ABVS-00 Rev.00 dated 18/02/2008 Globe valve angle type - SDNR DN 15 to 500
- N° BVS-00 Rev.00 dated 18/02/2008 Globe valve straight type - SDNR DN 15 to 500

No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.

3. TEST REPORTS

Shell strength and Tightness test / Seat tightness test report N°2014/221 dated 27/10/2014.

4. APPLICATION / LIMITATION

4.1 - May be used for the following services on board:

Fuel oil, lubricating oil, thermal oil, cargo oil, ballast and bilge, sea water and fresh water, compressed air, steam, domestic and sanitary systems, non-essential systems.

4.2 - The valves belong to class I, class II or class III according to the relevant requirements stated in Pt C, Ch 1, Sec 10 of Bureau Veritas Rules. Valves fitted on the ship side and collision bulkhead, valves fitted on fuel oil and lub oil tanks under static pressure belong to Class II.

4.3 - Conditions of use of stainless steel and cast iron are given in Pt C, Ch 1, Sec 10 Table 5 of Bureau Veritas Rules.

4.4 - The valve body, disc and seat should be suitable for the intended service.

4.5 - Assembly instructions given by the manufacturer are to be complied with.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 - The products are to be supplied by **DIKKAN GEMI VE ENDUSTRIYEL VANA SAN.TIC. A.S.** in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - Bureau Veritas Certificate is required for materials of valve housings of class I (DN \geq 50) or class II (DN \geq 100). Materials of valve housings of class I (DN $<$ 50) or class II (DN $<$ 100) and for other parts are to be with Work's certificates.

5.4 - Each valve housing for class I and class II is to be hydraulically pressure tested to 1.5 times the design pressure. Valves intended to be fitted on the shipside below the load waterline are to be tested by hydraulic pressure not less than 0,5 MPa.

5.5 - BV product certificate is required.

5.6 - For information, **DIKKAN GEMI VE ENDUSTRIYEL VANA SAN.TIC. A.S.** has declared to Bureau Veritas the following production site:

DIKKAN GEMI VE ENDUSTRIYEL VANA SAN.TIC. A.S.
IZMIR KEMALPASA YOLU
NO:30 HAYITLIKIR MEVKII
ULUCAK KEMALPASA
IZMIR
TURKEY

6. MARKING OF PRODUCT

Screw down check globe and angle valve shall be at least marked with:

- Manufacturer's name or logo
- Type designation
- Date of manufacture
- Society's brand as relevant

7. OTHERS

It is **DIKKAN GEMI VE ENDUSTRIYEL VANA SAN.TIC. A.S.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This certificate supersedes the Type Approval Certificate No. 21133/C0 BV issued by the Society.

*** END OF CERTIFICATE ***