



Marine & Offshore
Division

Certificate number: 01334/H0 BV

File number: ACM 135/1920/001

Product code: 22271

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

SEUT Maritime a.s.

Fredrikstad - NORWAY

for the type of product

BLIND FLANGE CARGO VALVE

SEUT Blind Flange Valves types S-A2, S-A3, SA-4, SA-5 & SA-6

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 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° 01334/G2 BV expiring on 01/06/2015

This certificate will expire on: 01 Jun 2020

For BUREAU VERITAS,
At BV OSLO, on 02 Mar 2015,
Rune MARSTEIN

Rune Marstein



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. 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 Division 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 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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

SEUT Blind Flange Valves types S-A2, S-A3, SA-4, SA-5 & SA-6

1.1 Ratings

Size (mm)	DN 50 to DN 750
Working pressure (bar)	25
Test pressure (bar)	37.5

1.2 Materials

Valve body, discs and seats	- Steel ST52.3 (S355J2G3) / Stainless steel AISI 316/317L / AISI 304L / Casting A 216 WCB
Valve rods and bolts	- Stainless steel AISI 316 / AISI 304L
Top cover	- Steel ST52.3 (S355J2G3) / Stainless steel AISI 316 / A 216 WCB - S355J2G3/ Stainless steel AISI 317L/A-216 WCB
Valve jointing	- Kemflon (PTFE + glass fibers 25%) - TEADIT TF 1590 (virgin PTFE resin filled with silica)
Top cover jointing	- Kemflon (PTFE + glass fibers 25%) - TEADIT TF 1590 (virgin PTFE resin filled with silica)

For SA-4, Epoxy Painted In and Outside of Valvehouses and Top Cover, Thickness : 80µm

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

2. DOCUMENTS AND DRAWINGS

- Manufacturer's catalogue
- Product information TEADIT TF 1590
- Mill's quality certificates
- Drawing CS.4240: Blind flange valves DN 50, 65, 80 and 100
- Drawing CS.4241: Blind flange valves DN 150, 200, 250 and 300
- Drawing CS.4242: Blind flange valves DN 350, 400, 450, 500, 600, 700 and 750
- Drawing S.4244-SA-4: Blind flange valves DN 50 up to 750.
- Drawing SMP 1238-01 rev 1 dated 20/04/2012: Valves Type SA-5 DN 50 up to 750.
- Drawing SMP 1237-01 rev 1 dated 20/04/2012: Valves Type SA-6 DN 50 up to 750.

No departure from the above documentation 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

Tests carried out according to Society's Rules.

4. APPLICATION / LIMITATION

4.1 To use for the following services on board:

- Cargo pipings of chemical tankers
- Cargo pipings of gas tankers provided that the tightening nut is made of nickel alloy
- Separating device for pipings of non compatible products

4.2 The valves belong to class I or class II according to the relevant requirements stated in Parts C and D of the Society Rules.

4.3 Materials are to be suitable for the intended cargoes and for the intended design temperature in accordance with Society's Materials Rules.

4.4 The valve is to be installed according to manufacturer's instructions.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by SEUT Maritime 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 Certificates are required for materials of valve housings of Class I (DN≥50) and Class II (DN≥100). Materials of valve housings of Class I (DN<50) and Class II (DN<100) and for other parts of Class I and Class II are to be with Work's certificates.

5.4 Each valve housing for Class I and II is to be hydraulically pressure tested to 1.5 times the design pressure.

Place of production

SEUT Maritime a.s.
Sørkilen 8,
1621 Fredrikstad
NORWAY

6. MARKING OF PRODUCT

The valve shall be permanently marked with the following information:

- Manufacturer's name or logo
- Type designation
- Working pressure and temperature
- Society's brand as relevant

7. OTHERS

This approval is given on the understanding that the manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the product and of the conditions of this approval.

*** END OF CERTIFICATE ***