



Marine & Offshore

Certificate number: 02685/F0 BV

File number: ACM 145/2013/4

Product code: 2206I

*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*

**XOMOX International GmbH & Co OHG**

Lindau - GERMANY

*for the type of product*

**PLUG VALVES**

TUFLIN sleeved plug valves and TUFLIN sleeved plug valves ISO

### Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships

*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° 02685/E1 BV expiring on 13/04/2022*

**This certificate will expire on: 13 Apr 2027**

**For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 11 Apr 2022,

Heiko Lange

***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](http://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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 4 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

**TUFLIN sleeved plug valves and TUFLIN sleeved plug valve ISO with actuator mounting in accordance with ISO 5211.**

#### 1.1 Sleeved plug valves with threads connection

Type	Size
122 DIN PN 10 – 25	NPS ¼ – 1
022 ASME Class 150	NPS ¼ – 1
123 DIN PN 10 – 25	NPS ¼ – 1¼
023 ASME Class 150	NPS ¼ – 1¼
222 DIN PN 63 – 100	NPS ¼ – ½
0222 ASME Class 300	NPS ¼ – ½

#### 1.2 Sleeved plug valves with threads connection

Type	Size
126 DIN PN 10 – 40	DN 15 – 80 / NPS ½ – 3
066 ASME Class 150	
0366 ASME Class 300	
0666 ASME Class 600	

#### 1.3 Sleeved plug valves with welding ends

Type	Size
128 BW / SW DIN PN 10 – 40	DN 15 – 100 / NPS ½ – 4
028 BW / SW ASME Class 150	
0328 BW / SW ASME Class 300	
126 BW / SW DIN PN 10 – 40	
066 BW / SW ASME Class 150	
0366 BW / SW ASME Class 300	
0666 BW / SW ASME Class 600	

#### 1.4 Sleeved plug valves with welding ends

Type	Size
128 G BW DIN PN 10 – 40	DN 80 – 250 / NPS 3 – 10
028 G BW ASME Class 150	
0328 G BW ASME Class 300	

#### 1.5 Sleeved plug valves with flange connection

Type	Size
127 DIN PN 10 – 40	DN 15 – 100 / NPS ½ – 4
067 ASME Class 150	
0367 ASME Class 300	
0667 ASME Class 600	

#### 1.6 Sleeved plug valves with flange connection

Type	Size
127 G DIN PN 10 – 40	DN 80 – 400 / NPS 3 – 16
067 G ASME Class 150	
0367 G ASME Class 300	
0667 G ASME Class 600	

#### 1.7 Sleeved plug valves with flange connection

Type	Size
227 G DIN PN 10 – 40	DN 25 – 250 / NPS 1 – 10
2067 G ASME Class 150	
20367 G ASME Class 300	

**Temperatur range: - 100°C to + 280°C**

**2. DOCUMENTS AND DRAWINGS:**

According following documents:

Document no.	Rev.	Designation
tdb_127_de	Juni 2008	TUFLIN Durchgangs-Kükenhähne
tdb_127-iso_de-gb	July 2011	TUFLIN-Sleeved Plug Valve Type 127-ISO

**3. TEST REPORTS:**

Not applicable.

**4. APPLICATION / LIMITATION:**

4.1 May be used for the following service on board:

- Ballast and bilge
- Sea water and fresh water
- Domestic and sanitary systems
- Fuel oil, lubricating oil and hydraulic oil
- Compressed air
- Cargo piping of vessels granted with the following notations: oil tanker, chemical carrier and liquefied gas carrier

4.2 When the valves are not fitted with flanges their use may be accepted as shipside valves provided that arrangement are made to allow a possible disassembling at sea of the pipes immediately inboard without any risk of flooding.

4.3 Bilge valves will be fitted in association with a non-return valve.

4.4 The material of valve body, disc and sealing should be suitable for the intended service.

4.5 The approval does not include any operating gear for remote control of the valves.

4.6 On board installation and maintenance requirements have to be in accordance with Society's Rules requirements and manufacturer's recommendations.

**5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 The valves are to be supplied by **Xomox International GmbH & Co. OHG** 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 product certificate is required.

5.4 For information, **Xomox International GmbH & Co. OHG** has declared to BUREAU VERITAS the following production site:  
**Xomox International GmbH & Co. OHG, Lindau / GERMANY**

5.5 Material certificate according to BUREAU VERITAS Rules.

5.6 Material requirements according BUREAU VERITAS Rules and IGC-/IGF Code.

5.7 Each valve is to be hydraulically pressure tested to 1.5 times the design pressure.

**6. MARKING OF PRODUCT:**

Each valve shall be marked with at least:

- Manufacturer's name or logo
- Type designation
- Size
- Max. working pressure
- BUREAU VERITAS' marks

**7. OTHERS:**

- 7.1 It is **Xomox International GmbH & Co. OHG**'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.
- 7.2 This certificate supersedes the Type Approval Certificate N° 02685/E1 BV issued on 20 Sep 2018 by the Society.

**\*\*\* END OF CERTIFICATE \*\*\***