



Marine & Offshore

Certificate number: 01853/F0 BV

File number: ACM 145/2013/2

Product code: 2205I

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

BUTTERFLY VALVES

Series 800 and 800 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° 01853/E0 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. 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 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Butterfly valves, types: 800 and 800 ISO

1.1 Technical data 800 series:

Size range	DN 50 – 1200 / NPS 2 – NPS 48
Pressure range	PN 6 – 100 / ANSI Class 150 – 600
Temperature range [°C]	Teflon-Seat: -70 to + 204 Teflon-Seat reinforced: -70 to +232 Firesafe-Seat: -70 to +300 Metal-Seat: -70 to +550 Metal-Graphite: -70 to +550 Metal-PEEK: -70 to +260 Metal-PCTFE: -196 to +50

1.2 Technical data 800 ISO series:

Size range	DN 80 – 300 / NPS 3 – NPS 12
Pressure range	up to DIN PN 16
Temperature range [°C]	PTFE-Seat: -70 to + 204 PTFE-Seat reinforced: -70 to +232

2. DOCUMENTS AND DRAWINGS:

According following documents:

Document No.	Rev.	Designation
tdb_800_de	Januar 2008	XOMOX Hochleistungsabsper- und Regelklappe Typ 800
CP-XOMOX-800 ISO-BU-DE-A1-01/11	2011	XOMOX Hochleistungs-Absperrklappe 800 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 valves 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° 01853/E0 BV issued on 13 Apr 2017 by the Society.

*** END OF CERTIFICATE ***