



Certificate number: 64392/B0 BV

File number: .

Product code: 2205I

This certificate is not valid when presented without the full attached schedule composed of 7 sections. Full certificate is to be requested to the manufacturer

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

AUTEXIER

CHAUNY - FRANCE

for the type of product

BUTTERFLY VALVES

Butterfly valves models: A601/602, A601M/602M, AU601/602, AU601M/602M, A601ME/602ME, AU601ME/602ME

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
Bureau Veritas Rules for the Classification of Offshore Units
Bureau Veritas Rules for the Classification of Naval Ships
Bureau Veritas Rules for the Classification of Yachts

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 will expire on: 15 Sep 2031

For Bureau Veritas Marine & Offshore,

At BV VALENCIENNES, on 15 Sep 2026,

Philippe Calbet

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 models: A601/602, A601M/602M, AU601/602, AU601M/602M, A601ME/602ME, AU601ME/602ME

1.1 - Ratings

Model	AU601/602, AU601M/602M & AU601ME/602ME	A601/602, A601M/602M & A601ME/602ME
Size range (mm)	32, 40, 50, 65, 80, 100, 125, 150, 200, 250	
Design Standard	EN 12516-3 V2003	
Class range	Class150	
Maximum Design Pressure (bar)	16 10 (for DN 200 & 250)	
Design Temperature (°C)	- 10 / + 100	- 15 / + 100
End connections	Flanged	

1.2 - Materials

Part	Materials
Body	Aluminium Bronze / Bronze / Copper-Nickel
Stem	Aluminium Bronze
Wedge disc	Aluminium Bronze / Bronze / Copper-Nickel
Cuff	EPDM / FPM / NBR

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

2. DOCUMENTS AND DRAWINGS

- Catalogues including drawings:

Type	Catalogue N°	Rev.	Date	Type	Catalogue N°	Rev.	Date
AU601	AU601.Ø	11	24/09/2024	A602M	A602MØ	03	25/09/2024
AU602	AU602.Ø	08	25/09/2024	AU602M - ASA 150	AU602MØ	02	25/09/2024
A601	A601.Ø	11	24/09/2024	AU602 - ASA 150	AU602.Ø	03	25/09/2024
A602	A602.Ø	08	25/09/2024	A601ME	A601MEØ	03	25/09/2024
AU601M	AU601MØ	05	24/09/2024	A602ME	A602MEØ	00	26/09/2024
AU602M	AU602MØ	09	25/09/2024	AU601ME	AU601MEØ	02	25/09/2024
A601M	A601MØ	03	24/09/2024	AU602ME	AU602MEØ	01	25/09/2024

- Instructions of use for butterfly valves N° 0904DA114 Rev. 08 dated 21/01/2025.
- Instructions of assembly and maintenance for butterfly valves N° 0904DA113 Rev. 10 dated 20/01/2025.
- Material datasheet for EPDM N° EPDM-008/1.
- Material datasheet for NBR N° NBR-004/1.

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

3.1 - Not required.

3.2 - Fire resistance test not performed.

4. APPLICATION / LIMITATION

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

- Water based fluids - Sea water and fresh water

4.2 - The valves may be installed on Class I, Class II and Class III pressure piping systems according to the relevant requirements stated in *NR 467, Pt C, Ch 1, Sec 10* and corresponding requirements in *NR 445, NR 483* and *NR 500*. Systems fitted on the ship side and collision bulkhead, and systems fitted on fuel oil and lub oil tanks under static pressure are of Class II.

4.3 - The valve body, disc and seat should be suitable for the intended service. In particular the nature of materials, joints included, is to be selected according to the fluid to be conveyed and the temperature.

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

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

4.6 - The valves are to be installed according to the manufacturer's instructions and Bureau Veritas Rules requirements.

4.7 - The use of metallic materials is restricted according to Bureau Veritas Rules *NR 467, Pt C, Ch 1, Sec 10, Table 5* and corresponding requirements in *NR 445, NR 483* and *NR 500*.

4.8 - The use of welded & threaded metallic joints and metallic flange connections in piping systems is to be in accordance with *NR 467, Pt C, Ch 1, Sec 10, Table 15 & Table 16*, respectively and corresponding requirements in *NR 445, NR 483* and *NR 500*.

4.9 - In any event, butterfly valves not fitted with flanges are not to be used for water inlets or overboard discharges unless provisions are made to allow disassembling at sea of the pipes served by these valves without any risk of flooding.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 - The products are to be supplied by **AUTEXIER** 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 *NR 320*.

5.3 - Bureau Veritas product certificate is required.

5.4 - 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.

5.5 - Each valve housing intended to be use on Class I and Class II pressure piping systems 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.

5.6 - For information, **AUTEXIER** has declared to Bureau Veritas the following production site:

AUTEXIER:
93 rue Louis Blanc
F-02 300 CHAUNY
FRANCE

6. MARKING OF PRODUCT

Each valve shall be permanently marked with at least:

- Manufacturer's name or logo
- Type designation
- Size
- Design pressure
- Design temperature range
- Bureau Veritas' Mark

7. OTHERS

It is **AUTEXIER**'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 a previous Type Approval Certificate N° 64392/A0 BV issued by the Society.

*** END OF CERTIFICATE ***