



Marine & Offshore

Certificate number: 58432/A0 BV

File number: .

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
INTERAPP VALCOM, S.A.
MADRID - SPAIN

for the type of product
BUTTERFLY VALVES
DESPONIA & DESPONIA PLUS

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 will expire on: 14 Nov 2024**For Bureau Veritas Marine & Offshore,**

At BV BILBAO, on 14 Nov 2019,

Juan Jose GUTIERREZ GARCIA



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

Desponia and Desponia Plus Butterfly Valves

1.1 Ratings

Valve Type	Body Type	Design Standard	Size	Max. Operating Pressure	Design Temperature*
Desponia	Wafer	ISO 593 / API 609	DN 25 - 1000	16 bar	- 20 / 200
Desponia	Lug	ISO 593 / API 609	DN 25 - 600	16 bar	- 20 / 200
Desponia	U-shape	ISO 593 / API 609	DN 150 - 1600	16 bar	- 20 / 200
Desponia Plus	Wafer	ISO 593 / API 609	DN 25 - 600	20 bar	- 40 / 200
Desponia Plus	Lug	ISO 593 / API 609	DN 50 - 600	20 bar	- 40 / 200

* Depending on material used

1.2 Materials

Part	Material
Body	Cast iron EN-GJL-250 Ductile iron EN-GJS-400-15, ASTM A536 60-42-10 Carbon Steel, 1.0619, ASTM A216 WCB Stainless Steel 1.4408, AISI 316, ASTM A351 CF8M
Seat	EPDM / NBR / CSM / FPM / MVQ / ECO / SBR
Disc	Ductile iron EN-GJS-400-15, ASTM A536 60-42-10 Carbon Steel, 1.0619, ASTM A216 WCB Carbon Steel 1.0552/GS52.3 Stainless Steel 1.4408, ASTM A351 CF8M Super Austenitic Steel 1.4588 Super Duplex 1.4573 Alubronze ASTM B148 C95800 / G-Cu Al 10 Ni Hastelloy ASTM A494 CW-12MW

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

2. DOCUMENTS AND DRAWINGS

- Leaflets N° DESPONIA_1838 en & DESPONIPlus_1827 en
- Drawing N° 8229 Rev.00 dated 23/04/2019: Desponia DN 25 to DN 200 Wafer type
- Drawing N° 8230 Rev.00 dated 24/04/2019: Desponia DN 250 to DN 400 Wafer type
- Drawing N° 8231 Rev.00 dated 23/04/2019: Desponia DN 450 to DN 800 Wafer type
- Drawing N° 8232 Rev.00 dated 24/04/2019: Desponia DN 900 to DN 1000 Wafer type
- Drawing N° 8233 Rev.00 dated 23/04/2019: Desponia DN 25 to DN 200 Lug type
- Drawing N° 8234 Rev.00 dated 24/04/2019: Desponia DN 250 to DN 400 Lug type
- Drawing N° 8235 Rev.00 dated 23/04/2019: Desponia DN 450 to DN 600 Lug type
- Drawing N° 8236 Rev.00 dated 24/04/2019: Desponia DN 150 to DN 400 U-shape type
- Drawing N° 8237 Rev.00 dated 25/04/2019: Desponia DN 450 to DN 800 U-shape type
- Drawing N° 8238 Rev.00 dated 25/04/2019: Desponia DN 900 to DN 1600 U-shape type
- Drawing N° 8239 Rev.00 dated 23/04/2019: Desponia Plus DN 450 to DN 600 Wafer type
- Drawing N° 8240 Rev.00 dated 25/04/2019: Desponia Plus DN 25 to DN 200 Wafer type
- Drawing N° 8248 Rev.00 dated 14/05/2019: Desponia Plus DN 250 to DN 400 Wafer type
- Drawing N° 8249 Rev.00 dated 15/05/2019: Desponia Plus DN 50 to DN 200 Lug type
- Drawing N° 8250 Rev.00 dated 14/05/2019: Desponia Plus DN 250 to DN 400 Lug type
- Drawing N° 8251 Rev.00 dated 14/05/2019: Desponia Plus DN 450 to DN 600 Lug type
- Manual of installation, use and maintenance N° O&I&M_Manual_Desponia&Desponiplus_1731 en

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

Not required.

Fire resistance test not performed.

4. APPLICATION / LIMITATION

4.1 May be used for the following services on board:

- Shiplside valves - Sea water and fresh water - Bilge and ballast transfer - Compressed air - Cargo oil for tankers - Inert gas systems - Fuel-oil and lubricating oil transfer - Domestic and sanitary systems - washing and fire extinguishing - Hydraulic oil - Deck foam systems - Non-essential systems

4.2 The valves belong to Class I, Class II and Class III according to the relevant requirements stated in Part C, Ch 1, Sec 10. Valves fitted on the ship side and collision bulkhead, and valves fitted on fuel oil and lub oil tanks under static pressure belong to 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 Society's Rule requirements.

4.7 Installation on board ships where a fire safe design is required remains to be approved on a case by case basis.

4.8 The use of stainless steel and grey cast iron is to be restricted as per the BUREAU VERITAS Rules.

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

5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by **INTERAPP VALCOM, S.A.** in compliance with the type and the requirements described in this certificate.

5.2 This type of product is within the category IBV of BV Rule Note NR320.

5.3 BV product certificate is required.

5.4 BV 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 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 shiplside below the load waterline are to be tested by hydraulic pressure not less than 0,5 MPa

For information, **INTERAPP VALCOM, S.A.** has declared to Bureau Veritas the following production site:

INTERAPP VALCOM, S.A.: Calle Almenara, s/n. Carretera Nacional A-1, KM 31.1 (Salida 30), (Polígono Industrial Sur)

28750 San Agustín del Guadalix, Madrid, Spain

6. MARKING OF PRODUCT

Each valve shall be permanently marked with at least:

- Manufacturer's name or logo
- Type designation
- Maximum working Pressure and Test Pressure
- Society's brand as relevant

7. OTHERS

It is **INTERAPP VALCOM, S.A.** 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.

*** END OF CERTIFICATE ***