



CERTIFICATE NUMBER 18-LD1795835-PDA
EFFECTIVE DATE 19 November 2018
EXPIRATION DATE 18 November 2023
ABS TECHNICAL OFFICE London Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

WOUTER WITZEL EUROVALVE B. V.

located at
Losser, Netherlands

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product Valve, Butterfly

Model DYNAXE - W201, W162, L201, L162, F131, F142

This Product Design Assessment (PDA) Certificate remains valid until expiration date or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping


Mohammed K.M. Abbas
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

WOUTER WITZEL EUROVALVE B.V.

INDUSTRIETERREIN DE POL 12

P.O. BOX 54

LOSSER

Netherlands 7581 CZ

Telephone: +31 (0)53 536 95 41

Fax:

Email: info@wouterwitzel.nl

Web: www.wouterwitzel.nl

Tier: 3 - Type Approved, unit certification not required

Product: Valve, Butterfly

Model: DYNAXE - W201, W162, L201, L162, F131, F142

Intended Service:

Fresh water systems, sea water systems, fire main systems, sanitary water systems, cargo oil systems, fuel oil systems, lubricating oil systems, bilge systems, and chemical cargo system for marine and offshore applications.

Description:

W201/ W162 - Flangeless wafer type with centring lugs high performance double eccentric butterfly valves with carbon steel or stainless steel body and elastomeric, RTFE/ RTFE fire safe design or metallic disc seat/ seal.

L201/ L162- Lugged wafer type high performance double eccentric butterfly valves with carbon steel or stainless steel body and elastomeric, RTFE/ RTFE fire safe design or metallic disc seat/ seal

F131/ F142- Double flanged type high performance double eccentric butterfly valves with carbon steel or stainless steel body and elastomeric, RTFE/ RTFE fire safe design or metallic disc seat/ seal

W201 & L201 Models are available also in API 609 version.
See attached document.

Rating:

Model W201, L201, F131 - PN 10, 16, ANSI Class 150 (20 bar) - DN 50 - 900 mm (2" to 36") Temperature range: - 29 degree C to 204 degree C

Model W162, L162, F142 - PN 25, 40, ANSI Class 300 (50 bar) - DN 50 - 600 mm (2" to 24") Temperature range: - 29 degree C to 204 degree C

Valves with metal Laminated/ Solid seat lining: Temperature range : -29 degree C to 425 Degree C.

Service Restriction:

1. Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Wafer type valves are not to be used for any connections to the vessel's shell.
3. Only Firesafe design type valves or metallic seated type valves are to be used for firemain service.
4. Valve materials to be suitable for the fluid service.
5. Applications other than those listed above are subject to individual approval.

Comments:

1. All valves are to be hydrostatically tested by the Manufacturer and are to bear the trademark of the Manufacturer legibly stamped or cast on the exterior of the valves as well as the primary pressure rating.
2. Valves intended for installation on the side shell or below the deepest load waterline, including those at sea chests, are to be hydrostatically tested in the presence of the Surveyor, before installation, to a pressure of at least 5 bar.g.
3. The connection arrangements for shell valves are to ensure that the valve remains in position should the piping inboard side be removed.
4. Valves intended for service below -18 degree C are to be impact tested by the manufacturer and upon request, test results are to be submitted to the Bureau, as per 2-3-13/27 of the ABS Materials and Welding Rules.
5. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product

Notes/Drawing/Documentation:

- 1) SWRI Valve Fire Test Report Numbers 6-995 dated 02 Feb 2006 , 6-1012 dated 18 Jan 2006, 6-1013 dated 18 Jan 2006 , 6-1024 dated 19 April 2006.
- 2) Drawing No. D-CAAA027-D, DYNAXE W201, Revision: D
- 3) Drawing No. D-CABA004-E, DYNAXE W162, Revision: E
- 4) Drawing No. D-CACA015-E, DYNAXE L201, Revision: E

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- 5) Drawing No. D-CADA001-E, DYNAXE L162, Revision: E
- 6) Drawing No. D-CAEA010-F, DYNAXE F131, Revision: F
- 7) Drawing No. D-CAFA006-C, DYNAXE F142, Revision: C
- 8) Datasheet No. PDS03 04 001 - Dynaxe - L162 Product data sheet, Revision: -
- 9) Datasheet No. PDS03.01.001 - Dynaxe - W201 Product data sheet, Revision: -
- 10) Datasheet No. PDS03.02.001 - Dynaxe - L201 Product data sheet, Revision: -
- 11) Datasheet No. PDS03.03.001 - Dynaxe - W162 Product data sheet, Revision: -
- 12) Datasheet No. PDS03.05.001 - Dynaxe - F131 Product data sheet, Revision: -
- 13) Datasheet No. PDS03.06.001 - Dynaxe - F142 Product data sheet, Revision: -

Terms of Validity:

This Product Design Assessment (PDA) Certificate 18-LD1795835-PDA, dated 19/Nov/2018 remains valid until 18/Nov/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

2018 Steel Vessel Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-2/5.11, 4-6-2/7.3.2, 4-6-2/9.13.2
2018 Mobile Offshore Drilling Units Rules 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-2/9, 4-2-2/21.3

National:

BS EN 558:2017
BS EN 593:2017
BS EN ISO 10497:2010
API STD 609, 8th Edition
API STD 607 7th Edition

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA