



CERTIFICATE NUMBER	23-2458908-PDA
EFFECTIVE DATE	17-Oct-2023
EXPIRY DATE	16-Oct-2028
ABS TECHNICAL OFFICE	Houston ESD - Piping

# 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

**INDUSTRIETERREIN DE POL 12, P.O. BOX 54, , LOSSER,  
Netherlands, 7581 CZ**

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  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 16/Oct/2028 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
<i>John Vincent Ulep</i>
John Vincent Bog-Acon Ulep, Senior Principal Engineer

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.**

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**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Valve, Butterfly

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

**Endorsements:**

**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 bear permanent identification, such as the manufacturer's name or trademark, material identify, pressure rating, etc. at which the manufacturer guarantees the valves to meet the requirements of the manufacturer' standards. Such markings may be cast or forged integral with, stamped on, or securely affixed by nameplate on the component, and are to serve as a permanent means of identification of the component throughout its service life in accordance with 4-6-1/7.1.3 and 4-6-1/7.1.4 of Marine Vessel Rules.
2. 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.
3. 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.
4. The connection arrangements for shell valves are to ensure that the valve remains in position should the piping inboard side be removed.
5. 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.
7. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product

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**Notes/Drawing/Documentation:**

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.

Drawing No. D-CAAA027-D, DYNAXE W201, Revision: D

Drawing No. D-CABA004-E, DYNAXE W162, Revision: E

Drawing No. D-CACA015-E, DYNAXE L201, Revision: E

Drawing No. D-CADA001-E, DYNAXE L162, Revision: E

Drawing No. D-CAEA010-F, DYNAXE F131, Revision: F

Drawing No. D-CAFA006-C, DYNAXE F142, Revision: C

Drawing No. PDS03.01.001 - Dynaxe - W201, Product data sheet, Revision: -, Pages: 1

Drawing No. PDS03.03.001 - Dynaxe - W162, Product data sheet, Revision: -, Pages: 1

Drawing No. PDS03.02.001 - Dynaxe - L201, Product data sheet, Revision: -, Pages: 1

Drawing No. PDS03.04.001 - Dynaxe - L162, Product data sheet, Revision: -, Pages: 1

Drawing No. PDS03.05.001 - Dynaxe - F131, Product data sheet, Revision: -, Pages: 1

Drawing No. PDS03.06.001 - Dynaxe - F142, Product data sheet, Revision: -, Pages: 1

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 16/Oct/2028 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).

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**STANDARDS**

**ABS Rules:**

2023 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2023 Rules for Building and Classing Marine Vessels: 4-6-2/5.11, 4-6-2/7.3.2, 4-6-2/9.13.2

2023 Rules for Conditions of Classification, Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2023 Rules for Building and Classing Mobile Offshore Units: 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-2/9, 4-2-2/21.3

**National:**

EN 558:2022

EN 593:2017

EN-ISO 10497:2022

API STD 609, 9th Edition, April 2021

API STD 607, 8th Edition, October 2022

**International:**

NA

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**Government:**  
NA

**EUMED:**  
NA

**OTHERS:**  
NA