



Certificate Number 21-5045388
Effective Date 02-December-2021
Expiration Date 01-December-2026
ABS Port Office Madrid, Spain
Website www.dennisnakakita.com

CERTIFICATE OF Manufacturing Assessment

This is to certify that the Undersigned evaluated the manufacturing quality procedures of

DENNIS NAKAKITA, S.A.

located at

Alcazar de San Juan, Spain.

The quality monitoring systems during production were verified to reflect the specific surveys, required by the ABS Rules, Guides, the associated Specifications and Standards for the manufacture of

Valves, butterfly and actuator. Series L & R & C.

This manufacturer presented a sample or specimen of the product, representative of the “type” approved for the purpose of verifying that the “type” has been manufactured in conformance with the Manufacturer’s Product Design Assessment(s).

This Certificate is manufacturer and location specific and is subject to annual audits. Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of products.

The ABS Office issuing the certificate is to be kept updated with changes to the production methods, quality control systems, products and models and any changes made.



C. MOYA, Surveyor

Annual Endorsement

First

Second

Third

Fourth

Surveyor

WO and Date

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel’s service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Confirmation of Product Type Approval

Company Name: DENNIS-NAKAKITA, S.A.

Address: C/ BADAJOZ, 2 URBANIZACION LA CABANAA-28340123 28223 Spain

Product: Valve, Butterfly and Actuators

Model(s): Series C

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	18-GE1796246-PDA	03-DEC-2018	02-DEC-2023
Manufacturing Assessment (MA)	21-5045388	02-DEC-2021	01-DEC-2026
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Fire system, sea and fresh water cooling, water ballast, fuel oil transfer, cargo oil products, chemical filling and discharging, bilge, slot water and inert gas piping systems.

Description

Butterfly valves of the wafer, wafer-lug, lug and double flanged type.

Body material: Austenitic or duplex, Seat: metal + PTFE.

Actuator: manual CBT-1200H

Ratings

Design Working Pressure: Class 150

Sizes DN 200 - 1000 mm

Service Restrictions

1. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2. Valves manufactured from cast iron are not to be used:

a) In connection to the ships side.

b) At the collision bulkhead.

c) At oil tanks when valve is subject to static head.

The attachment of wafer type valves fitted at the ships side is subject to special consideration.

Comments

1) When selecting valves, the disks, disk faces, seats, stems and other wearing parts shall be made of material possessing corrosion and heat resisting qualities suitable for the service conditions to that which they will be subjected.

2) All valves are to bear the trademark of the manufacturer legibly stamped or cast on the exterior of the valves and also the primary pressure rating and temperature rating at which the manufacturer guarantees the valve to meet the requirements of the standards.

3) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

4) The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006

5) Valves intended for installation on the side shell at or below the deepest load waterline, including those at the sea chests, are to be hydrostatically tested in the presence of the Surveyor, before installation, to a pressure of at least 5bar as per 4-6-2/7.3.2 of the ABS Steel Vessels Rules.

Notes, Drawings and Documentation

Double offset Butterfly Valve datasheet

Pressure/Fire test at Dr. Ing. T. Baumer Laboratory dated 05 October 2018

Term of Validity

This Product Design Assessment (PDA) Certificate 18-GE1796246-PDA, dated 03/Dec/2018 remains valid until 02/Dec/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.

ABS Rules

ABS Rules for Building and Classing Steel Vessels (2018): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-2/3.1.6, 4-6-2/5.11, 4-6-2/9.7, 4-6-2/9.13

ABS Rules for Building and Classing Steel Vessels under 90 Meters (295 feet) in Length (2018): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-4-2/11, 4-4-2/19.3, 4-4-2/21

ABS Rules for Building and Classing Offshore Support Vessels (2018): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-2/5.11, 4-6-2/9.7.3, 4-6-2/9.13

ABS Rules for Building and Classing Mobile Offshore Drilling Units (2018): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-2/9, 4-2-2/17

International Standards

API 607 7th Edition

DIN EN ISO 10497, Ed. 2010

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in dark ink, appearing to read "Joseph W. Wilson".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 14-Dec-2021 6:04

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.



Confirmation of Product Type Approval

Company Name: DENNIS-NAKAKITA, S.A.

Address: C/ BADAJOZ, 2 URBANIZACION LA CABANAA-28340123 28223 Spain

Product: Valve, Butterfly and Actuators

Model(s): Series L and Series R

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-GE1835930-PDA	11-APR-2019	10-APR-2024
Manufacturing Assessment (MA)	21-5045388	02-DEC-2021	01-DEC-2026
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Sea and fresh water cooling, water ballast, fuel oil transfer, cargo oil products, chemical filling and discharging, bilge and inert gas piping systems, compressed air systems.

Description

Butterfly valves: Wafer, wafer lug, lug and double flanged type.

Valve actuators: Lever, gear hydraulic, pneumatic or electric type.

Ratings

Design Pressure: 12 kgf/cm² (Series L) and 22kg/cm² (Series R)

Sizes: DN40,50,65,80,100,125,150,200,250,300,350,400,450,500,550,600,700,800,900 and 1000

Flange Standards: DIN, ANSI, ISO, BS or JIS

Actuator Design Working Pressure: Hydraulic - 80 kgf/cm² Pneumatic - 6kg/cm²

Service Restrictions

1. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2. Valves manufactured from cast iron are not to be used for the following:

a) Ships side installation.

- b) At the collision bulkhead.
 - c) At oil tanks when valve is subject to static head.
 - d) For temperatures exceeding 232 degC.
3. The attachment of wafer type valves fitted at the ships side is subject to special consideration.

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. When selecting valves, the disks, disk faces, seats, stems and other wearing parts shall be made of material possessing corrosion and heat resisting qualities suitable for the service conditions to that which they will be subjected.
3. All valves are to bear the trademark of the manufacturer legibly stamped or cast on the exterior of the valves and also the primary pressure rating and temperature rating at which the manufacturer guarantees the valve to meet the requirements of the standards.

Notes, Drawings and Documentation

Drawing No. Calculation Report, Calculation Report, Revision: 0, Pages: 1

Drawing No. Calculos Mec, Calculation Report, Revision: 0, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate 19-GE1835930-PDA, dated 11/Apr/2019 remains valid until 10/Apr/2024 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.

ABS Rules

ABS Rules for Conditions of Classification (2019) 1-1-4/7.7, 1-1-A3, 1-1-A4 which covers the following:

2019 Rules for Building and Classing Marine Vessels: 4-6-2/5.11

2019 Rules for Building and Classing Steel Vessels: 4-6-2/5.11

2019 Rules for Building and Classing Offshore Support Vessels 4-6-2/5.11

2019 Rules for Building and Classing Steel Vessels Under 90 Meters (295 feet) in Length 4-4-2/11.1.1, 4-4-2/11.3, 4-4-2/11.5

2019 Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways 4-3-2/11.1.1, 4-3-2/11.3, 4-3-2/11.5

ABS Rules for Conditions of Classification – Offshore Units and Structures (2019) 1-1-4/9.7, 1-1-A2 and A3 which covers the following:

2019 Rules for Building and Classing Mobile Offshore Units 4-2-2/9.1.1, 4-2-2/9.3, 4-2-2/9.5

2019 Rules for Building and Classing Mobile Offshore Drilling Units 4-2-2/9.1.1, 4-2-2/9.3, 4-2-2/9.5

ABS Rules for Conditions of Classification – High Speed Craft (2019) 1-1-4/11.9, 1-1-A2, 1-1-A3 which covers the following:

2019 Rules for Building and Classing High-Speed Craft 4-4-2/11.1.1, 4-4-2/11.3, 4-4-2/11.5

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read "Joseph W. Wilson".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 14-Dec-2021 6:06

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.