



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

25-0322235-PDA
16-Jul-2025
15-Jul-2030
Busan Engineering Services

CERTIFICATE OF Product Design Assessment

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

DK LOK CORPORATION

located at

**7 GOLDEN ROOT-RO, 129 BEON-GIL, JUCHON-MYEON , GIMHAE,
Korea, Republic of**

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.

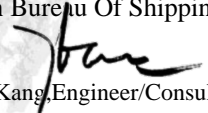
Product: Valve, Ball
Model: V8-ASSY-20K-B-PE.
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 15/Jul/2030 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


Seong-Ju Kang, 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)

Tier: 3 - Type Approved, unit certification not required

Product: Valve, Ball
Model: V8-ASSY-20K-B-PE.
Endorsements:

Intended Service:

MDO (Marine Diesel Oil System), HFO (Heavy Fuel Oil System), LO (Lubricant Oil System)

Description:

- Compact ball valve 2-button type, JIS 16K series.
- Class of piping system: ABS Rule 4-6-1/Table 1, Class II.

Rating:

- Design Pressure : 16 kgf/cm².
- Design Temperature : 150 Degree Celsius.

Service Restriction:

1. Unit Certification is not required for this product.
2. 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.

Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The manufacturer is to guarantee that the valve has been tested before shipment to the pressure required by the pressure rating of the valve.
3. All valves are to be hydrostatically tested by the manufacturer and 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's 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 Vessels Rules.

Notes/Drawing/Documentation:

1. Drawing No. V8-ASSY-20K-B-PE, Compact Ball Valve 2-Button Type Ass'y JIS 16K Series (Product Drawing), Revision: 0, Page: 1
2. Certificate No. C646649, ISO 9001:2015 dated 08 November 2022, Revision: -, Page: 1
3. ABS Surveyor Prototype test Report Work Order No. 4336981-A, dated 25 June 2020, Revision: -, Page: 1
4. Test Report, Report No. TPI06-200625-001, dated 25 June 2020, Revision: -, Pages: 2

Terms of Validity:

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DK LOK CORPORATION

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Tier: 3 - Type Approved, unit certification not required

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STANDARDS

ABS Rules:

- 2025 Rules for Building and Classing Marine Vessels 1A-1-4/7.7, 1A-1-A3 & A4, 4-1-1/7.15, 4-6-2/5.11, 4-6-2/5.15
- 2025 Rules for Building and Classing Offshore Units 1B-1-4/9.7, 1B-1-A2 & A3, 4-1-1/7.9, 4-2-2/9

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA