



Work Order: 6208802-A  
 First Visit Date: 10-Jan-2024  
 Last Visit Date: 25-Apr-2024  
 Vendor Purchase Order Number: 123139 / 127102 / 130688  
 Survey Location: Oslo

## Equipment Certification Report

**Asset Type** Ship Side Valve  
**Customer Name** JOTRON SKIPPER AS  
**Customer WCN** 500646  
**Location** Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 10 January 2024 to 25 April 2024, carry out the following survey and report as follows:

**Client Asset Name**                      **Quantity**  
 Ship Bottom Ball Valve - DN100    4

### Name Plate Data

<b>ABS Label</b>	<b>Manufacturer</b>	<b>Purchaser</b>	<b>Designer</b>	<b>Destination Vessel</b>	<b>Spare</b>
Ship Bottom Ball Valve - DN100	VISVANA SAN	-	VISVANA SAN	-	Yes

### Basic Identification Data

<b>Serial Number</b>	<b>Model Number</b>	<b>Supplier Reference Number</b>
24028, 24029, 24030, 24031	SB-100-SB	-

### Report Details

**ABS Stamping** **Maltese Cross**  
 6208802                      Yes

### Design Details

<b>Design State</b>	<b>Drawing Number</b>	<b>Reviewing Organization</b>
Product Design Assessed	22-2329626-PDA	London Engineering Department

### Additional Data

**Valve Material** ASTM - Stainless Steel - ASTM A-473, Grade CF-8 - Austenitic Cast Stainless Steel  
**Valve Size** 100 mm

## Statement of Work - Classification Service - Certification -

- Company has provided a declaration of conformity as required by International Maritime Organization (IMO) Resolution MSC.282(86), adopting SOLAS Reg. II-1/3-5.2, and the IMO MODU Code 2009, the aforementioned product or design does not contain any form of asbestos.
- Dimensions and tolerances were verified as required by the design approval.
- Material test reports (MTR) were reviewed and found to be the satisfaction of the attending Surveyor. Where required by the Rules, ABS material certification reports have been verified.
- Plan review and/or Product Design Assessment (PDA) has identified design restrictions and/or limitations which are to be referenced upon installation onboard the vessel.
- Rule required testing (pressure/load/operational/proof-load/etc.) of the equipment/component was witnessed to the satisfaction of the attending Surveyor.
- Subject to satisfactory installation, testing and trials after installation onboard the vessel.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

*NOTE: This Report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item of material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.*



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Survey Location: Oslo

## Report Findings

### Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
236.0	Ship Bottom Ball Valve - DN100	Certification - Ship Bottom Ball Valve - DN100, Ship Bottom Ball Valve - DN100, Ship Bottom Ball Valve - DN100, Ship Bottom Ball Valve - DN100	25-Apr-2024

### Found

Valves intended for for Echo Sounder Transducer, Doppler Log Sensor, or Speed Log Sensor installation.

Valves assembly may include Intermediate Element, Bottom Flange, Blanking Plate, Intermediate tube, Intermediate Flange.

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2023 ABS Marine Vessel Rules 4.6.2/7.3.2.

No leakage or plastic deformation were noted during testing.

Material certificates of valves, intermediate elements and bottom fanges were provided by the Manufacturer and satisfactorily reviewed.

The valves were found covered by ABS Product Design Assessment no. 22-2329626-PDA.

### Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

### Attending Surveyor(s):

Fuglei, Tor Brodde

Signed-off Date: 25-Apr-2024

### Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 25-Apr-2024



Work Order: 6208802-B  
 First Visit Date: 10-Jan-2024  
 Last Visit Date: 25-Apr-2024  
 Vendor Purchase Order Number: 123139 / 127102 / 130688  
 Survey Location: Oslo

## Equipment Certification Report

**Asset Type** Ship Side Valve  
**Customer Name** JOTRON SKIPPER AS  
**Customer WCN** 500646  
**Location** Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 10 January 2024 to 25 April 2024, carry out the following survey and report as follows:

**Client Asset Name**                      **Quantity**  
 Ship Bottom Gate Valve - SB-100-SA    1

### Name Plate Data

<b>ABS Label</b>	<b>Manufacturer</b>	<b>Purchaser</b>	<b>Designer</b>	<b>Destination Vessel</b>	<b>Spare</b>
Ship Bottom Gate Valve - SB-100-SA	VISVANA SAN	-	VISVANA SAN	-	Yes

### Basic Identification Data

<b>Serial Number</b>	<b>Model Number</b>	<b>Supplier Reference Number</b>
24032	SB-100-SA	-

### Report Details

**ABS Stamping** **Maltese Cross**  
 6208802            Yes

### Design Details

<b>Design State</b>	<b>Drawing Number</b>	<b>Reviewing Organization</b>
Product Design Assessed	22-2329626-PDA	London Engineering Department

### Additional Data

**Valve Material** nickel  
**Valve Size** 100 mm

## Statement of Work - Classification Service - Certification -

- Company has provided a declaration of conformity as required by International Maritime Organization (IMO) Resolution MSC.282(86), adopting SOLAS Reg. II-1/3-5.2, and the IMO MODU Code 2009, the aforementioned product or design does not contain any form of asbestos.
- Dimensions and tolerances were verified as required by the design approval.
- Material test reports (MTR) were reviewed and found to be the satisfaction of the attending Surveyor. Where required by the Rules, ABS material certification reports have been verified.
- Plan review and/or Product Design Assessment (PDA) has identified design restrictions and/or limitations which are to be referenced upon installation onboard the vessel.
- Rule required testing (pressure/load/operational/proof-load/etc.) of the equipment/component was witnessed to the satisfaction of the attending Surveyor.
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Survey Location: Oslo

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**Closing Paragraph:**

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

**Attending Surveyor(s):**

Fuglei, Tor Brodde  
Signed-off Date: 25-Apr-2024

**Reviewing Surveyor(s)**

Work Order Reviewer: Vocke, Sebastian  
Work Order Credit Date: 25-Apr-2024



Work Order: 6208802-C  
 First Visit Date: 10-Jan-2024  
 Last Visit Date: 25-Apr-2024  
 Vendor Purchase Order Number: 123139 / 127102 / 130688  
 Survey Location: Oslo

## Equipment Certification Report

**Asset Type** Ship Side Valve  
**Customer Name** JOTRON SKIPPER AS  
**Customer WCN** 500646  
**Location** Oslo

*This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 10 January 2024 to 25 April 2024, carry out the following survey and report as follows:*

**Client Asset Name**                      **Quantity**  
 Ship Bottom Gate Valve - SB-60-SA    4

### Name Plate Data

<b>ABS Label</b>	<b>Manufacturer</b>	<b>Purchaser</b>	<b>Designer</b>	<b>Destination Vessel</b>	<b>Spare</b>
Ship Bottom Gate Valve - SB-60-SA	MESON AB	-	MESON AB	-	Yes

### Basic Identification Data

<b>Serial Number</b>	<b>Model Number</b>	<b>Supplier Reference Number</b>
24033, 24034, 24035, 24037	SB-60-SA	-

### Report Details

**ABS Stamping** **Maltese Cross**  
 6208802                      Yes

### Design Details

<b>Design State</b>	<b>Drawing Number</b>	<b>Reviewing Organization</b>
Product Design Assessed	22-2329626-PDA	London Engineering Department

### Additional Data

**Valve Material** nickel  
**Valve Size** 60 mm

## Statement of Work - Classification Service - Certification -

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 Survey Location: Oslo

## Report Findings

### Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
235.0	Ship Bottom Gate Valve - SB-60-SA	Certification - Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA	25-Apr-2024

### Found

Valves intended for for Echo Sounder Transducer or Speed Log Sensor installation.

Valves assembly may include Intermediate Element, Bottom Flange, Blanking Plate, Intermediate tube, Intermediate Flange.

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2023 ABS Marine Vessel Rules 4.6.2/7.3.2.

No leakage or plastic deformation were noted during testing.

Material certificates of valve, intermediate elements and bottom fanges were provided by the Manufacturer and satisfactorily reviewed.

The valves were found covered by ABS Product Design Assessment no. 22-2329626-PDA.

### Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
242.0	Ship Bottom Gate Valve - SB-100-SA	Certification - Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA, Ship Bottom Gate Valve - SB-60-SA	25-Apr-2024

### Found

Valves intended for for Echo Sounder Transducer or Speed Log Sensor installation.

Valves assembly may include Intermediate Element, Bottom Flange, Blanking Plate, Intermediate tube, Intermediate Flange.

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2023 ABS Marine Vessel Rules 4.6.2/7.3.2.

No leakage or plastic deformation were noted during testing.

Material certificates of valve, intermediate elements and bottom fanges were provided by the Manufacturer and satisfactorily reviewed.

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**Attending Surveyor(s):**

Fuglei, Tor Brodde  
Signed-off Date: 25-Apr-2024

**Reviewing Surveyor(s)**

Work Order Reviewer: Vocke, Sebastian  
Work Order Credit Date: 25-Apr-2024