

## Equipment Certification Report

**Asset Type** Ship Side Valve  
**Customer Name** SKIPPER ELECTRONICS A/S  
**WCN of Customer** 500646  
**Location** Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of SKIPPER ELECTRONICS A/S, from 11-May-2023 to 31-May-2023, carry out the following survey and report as follows:

### Client Asset Name      Quantity

Ship Bottom Ball Valve      2

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Bottom Ball Valve	VIS VANA SAN. ITHALAT IHRACAT TIC.LTD.STI.	-	SKIPPER ELECTRONICS AS	-	Yes

### Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
23248, 23249	SB-100-SB	-	PW0/126375-1

### Report Details

**ABS Stamping**      **Maltese Cross**  
5839897      Yes

### Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Name	Rule Set Version
Product Design Assessed	22-2329626-PDA	London Engineering Department	Rules for Building and Classing Marine Vessels	2022

### Additional Data

**Design Pressure** 5 bar  
**Valve Material** Austenitic Stainless Steel  
**Valve Size** 100 mm

### Client Asset Name      Quantity

Ship Bottom Gate Valve      2

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Bottom Gate Valve	GOEPFERT AG	-	SKIPPER ELECTRONICS AS	-	Yes

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.



Work Order: 5839897-A  
First Visit Date: 11-May-2023  
Last Visit Date: 31-May-2023  
Vendor PO Number: 126355 / 126375  
Survey Location: Oslo

#### Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
23250, 23251	SB-100-SA	-	PWO/126355-1

#### Report Details

ABS Stamping	Maltese Cross
5839897	Yes

#### Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Name	Rule Set Version
Product Design Assessed	22-2329626-PDA	London Engineering Department	Rules for Building and Classing Marine Vessels	2022

#### Additional Data

Design Pressure	5 bar
Valve Material	Cast Bronze
Valve Size	100 mm

#### Statement of Work - Classification Service - Certification -

- 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.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Dimensions and tolerances were verified as required by the design approval.
- Functional testing of subassemblies and completed units, as specified in the fabrication procedures was completed to the satisfaction of the attending Surveyor.
- Rule required testing (pressure/load/operational/proof-load/etc.) of the equipment/component was witnessed to the satisfaction of the attending Surveyor.
- 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.

#### Report Findings

##### Statement/Observation

Finding No	Asset	Survey Task	Date Created
222.0	Ship Bottom Gate Valve	Certification - Ship Bottom Ball Valve, Ship Bottom Ball Valve, Ship Bottom Gate Valve, Ship Bottom Gate Valve	31-May-2023

Found

**Ship Bottom Shell Valves DN100**



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

Valve 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 element and bottom flange were provided by the Manufacturer and satisfactorily reviewed.

The valves was 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):**

Silvestro, Francesco

Signed-off Date: 31-May-2023

**Reviewing Surveyor(s)**

Work Order Reviewer: Fuglei, Tor Brodde  
Work Order Credit Date: 02-Jun-2023