

## 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, on 11-Jun-2021 carry out the following survey and report as follows:

**Client Asset Name**      **Quantity**  
Shell Valve Diam. 100 mm    5

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Shell Valve Diam. 100 mm	SKIPPER ELECTRONICS A/S	JRCS CO.LTD., JRCS CO.LTD., JRCS CO.LTD., JRCS CO.LTD., JRCS CO.LTD.	MESON AB	-, -, -, -, -	Yes

### Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
21128, 21129, 21130, 21131, 21132	SB-100-SA	-, -, -, -, -	-, -, -, -, -

### Report Details

**ABS Stamping**    **Maltese Cross**  
4813809            Yes

### Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Name	Rule Set Version
Product Design Assessed	16-LD1538304-PDA	London Engineering Department	Rules for Building and Classing Marine Vessels	2021

### Additional Data

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

## Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.

- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.

## Report Findings

### Statement/Observation

Finding No	Asset	Survey Task	Date Created
185.0	Shell Valve Diam. 100 mm	Certification - Shell Valve Diam. 100 mm, Shell Valve Diam. 100 mm, Shell Valve Diam. 100 mm, Shell Valve Diam. 100 mm, Shell Valve Diam. 100 mm	11-Jun-2021

### Found

## Side shell valves DN100 for Echo Sounder Transducer Installation

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2021 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 flanges were provided by the manufacturer and satisfactorily reviewed.

The valves were found covered by ABS Product Design Assessment no. 16-LD1538304-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: 11-Jun-2021

### Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde

Work Order Credit Date: 11-Jun-2021