



# AMERICAN BUREAU OF SHIPPING

Customer Name **SKIPPER ELECTRONICS A/S**  
Attending Office **Oslo**  
First Visit Date **15-Jun-2018**

Purchase Order No. **108165**  
Report Number **OS3512935**  
Last Visit Date **15-Jun-2018**

**Certification Of:** Shell Valve 100 mm  
Manufacturer: SKIPPER ELECTRONICS A/S  
Quantity: One(1)

**Survey Location:** Oslo, Norway

## Equipment Data

Manufacturer Number(S. No.) 18197  
Model Number SB-100-SB

## Design Details

Design State Product Design Assessed  
ABS Reviewing Organization London Engineering Department  
Drawing Number 17-LD1648327-PDA

## Additional Data

ABS Stamping OS3512935-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

**This is to Certify** that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Traceability of materials used on this project has been verified.  
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.  
For details of Mechanical Properties and/or Chemical Composition, refer to the mill/manufacturer's records.  
Final markings for identification confirmed.

## Side shell valves intended for Echosounder Transducer Installation

Hydrostatic pressure test was carried out at 5 bar with closed valve. No leakage or plastic deformation were noted during testing. Valve verified to be constructed and tested as per SVR 4-6-2 and MODU 2017 4-2-2/9.

The subject valve was found approved as per PDA 17-LD1648327-PDA dated 17JUL2017.

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 or 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 the 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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**Surveyor(s) to The American Bureau of Shipping**  
**Attending Surveyors**

Fuglei Tor Brodde

Electronically Signed on 18-Jun-2018

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**Reviewed By**

Vocke, Sebastian

Electronically Signed on 18-Jun-2018, Gothenburg Port

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