

**CERTIFICATE**  
FOR VALVE - PRESSURE REDUCING

Certificate No:  
**N141X81T**

**This is to certify**

that the product: **Valve**  
Type designation: **SB-200-ECHO**  
Application/context: **The valve may be used in conjunction with installation of speed log or echo sounder**  
Serial/tag no: **20044**

Has been found to comply with relevant requirements in:  
**DNVGL-RU-SHIP :DNV GL rules for classification: Ships (2019-07)**

The product is intended for

Yard: -  
Yard No: -  
Name of vessel: **STOCK**  
DNV GL Id No: -

**The product / material has been marked: N141X81T on: Valve housing**

**Particulars of Vendor and Purchaser**

Vendor: **Skipper Electronics AS**  
Vendor reference: **14.04.2020**  
Purchaser:  
Purchaser reference:

Issued at **Oslo Maritime and CAP** on **2020-04-15**




for **DNV GL**

This document has been digitally signed and will therefore not have handwritten signatures

**Karlsen, Håkon**  
**Surveyor**

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**Linked Type Approvals:**

TAS00001FU, Bottom Penetration for Echo Sounder, Sonar or Log

**Surveyor Supplementary information:**

The valve housing has been subjected to a **hydro-static pressure test**, and the valve assembly to a **seat leakage test to 5 bar**. Holding time **5 minutes**.

**Manufacturing Survey Arrangement No: MSARC0000B3Z**

**Quality System Certificate No: TI151 ISO 9001:2015**