

**CERTIFICATE**  
FOR VALVE - PRESSURE REDUCINGCertificate No:  
**N141JEB4****This is to certify**

that the product: **Valve**

Type designation: **SB-100-SB**

Application/context: **The valve may be used in conjunction with installation of speed log or echo sounder**

Serial/tag no: **18220**

Has been found to comply with relevant requirements in:  
**DNVGL-RU-SHIP :DNV GL Rules for classification – Ships (2017-07)**

The product is intended for

Yard: -

Yard No: -

Name of vessel: **STOCK**

DNV GL Id No: -

**The product / material has been marked: N141JEB4 on: Valve housing****Particulars of Vendor and Purchaser**

Vendor: **Skipper Electronics AS**

Vendor reference: \_\_\_\_\_


Purchaser: \_\_\_\_\_

Purchaser reference: \_\_\_\_\_

Issued at **Oslo Maritime and CAP** on **2018-07-02**for **DNV GL**

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

**Karlsen, Håkon**  
**Surveyor**



Certificate No: **N141JEB4**

**Linked Type Approvals:**

8070, 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 9001:2008**