

**CERTIFICATE**  
FOR VALVE - PRESSURE REDUCING

**This is to certify**

that the product: **Valve**  
Type designation: **DB-100-SB**  
Application/context: **The valve may be used in conjunction with installation of speed log or echo sounder**  
Serial/tag no: **17001**

Has been found to comply with relevant requirements in:  
**DNVGL-RU-SHIP :DNV GL Rules for classification – Ships, (2016-01)**

The product is intended for

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

**The product / material has been marked: N141AN8R on: Valve housing**

**Particulars of Vendor and Purchaser**

Vendor: **Skipper Electronics AS**  
Vendor reference: \_\_\_\_\_  
Purchaser: \_\_\_\_\_  
Purchaser reference: \_\_\_\_\_


Issued at **Oslo Maritime and CAP** on **2017-07-05**



for **DNV GL**

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

**Jacobsen, Thomas Rørvik**  
**Surveyor**



Certificate No: **N141AN8R**

**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: R-2164**

**Quality System Certificate No: TI151 ISO 9001:2008**