

**CERTIFICATE**  
FOR VALVE - PRESSURE REDUCING

Certificate No:  
**N141ANAM**

**This is to certify**

|                      |  |
|----------------------|--|
| that the product:    | <b>Valve</b>   |
| Type designation:    | <b>SB-100-SB</b>   |
| Application/context: | <b>The valve may be used in conjunction with installation of speed log or echo sounder</b> |
| Serial/tag no:       | <b>17089</b>   |

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: | <b>STOCK</b> |
| DNV GL Id No:   | -            |

**The product / material has been marked: N141ANAM on: Valve housing**

**Particulars of Vendor and Purchaser**

|                      |                               |
|----------------------|-------------------------------|
| Vendor:              | <b>Skipper Electronics AS</b> |
| Vendor reference:    |                               |
| Purchaser:           |                               |
| Purchaser reference: |                               |


Issued at **Oslo Maritime and CAP** on **2017-05-22**



for **DNV GL**

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

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



Certificate No: **N141ANAM**

**Linked Type Approvals:**

S-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**