

CERTIFICATE
FOR VALVE - PRESSURE REDUCING

Certificate No:
N141E8EK

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: | 17149 |

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: N141E8EK on: Valve housing

Particulars of Vendor and Purchaser

| | |
|----------------------|-------------------------------|
| Vendor: | Skipper Electronics AS |
| Vendor reference: | |
| Purchaser: | |
| Purchaser reference: | |


Issued at **Oslo Maritime and CAP** on **2017-08-29**



for **DNV GL**

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

Karlsen, Håkon
Surveyor



Certificate No: **N141E8EK**

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