

**CERTIFICATE**  
FOR VALVE - PRESSURE REDUCING

Certificate No:  
**N141X838**

**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>20112</b>

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

**The product / material has been marked: N141X838 on: Valve housing**

**Particulars of Vendor and Purchaser**

Vendor:	<b>Skipper Electronics AS</b>
Vendor reference:	<b>14.04.2020</b>
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**

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.





Certificate No: **N141X838**

**Linked Type Approvals:**

TAS00001J9, 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**