



DNV

CERTIFICATE

FOR VALVE - PRESSURE REDUCING

Certificate No:
N1422A2X

This is to certify

that the product: **Valve Assembly**
Type designation: **SB-100-SA**
Application/context: **The valve may be used in conjunction with installation of speed log or echo sounder**
Serial/tag no: **21005**

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: **STOCK**
DNV Id No: -

The product / material has been marked: N1422A2X on: Valve housing

Particulars of Vendor and Purchaser

Vendor: **Skipper Electronics AS**
Vendor reference: **Valve sertifikater for signering 19 04 2021**
Purchaser: _____
Purchaser reference: _____

Issued at **Oslo Maritime and CAP** on **2021-04-20**



for **DNV**

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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.





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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