



DNV

# CERTIFICATE

FOR VALVE - PRESSURE REDUCING

Certificate No:  
**N1422A2Z**

## This is to certify

that the product: **Valve Assembly**  
Type designation: **SB-60-F1**  
Application/context: **The valve may be used in conjunction with installation of speed log or echo sounder**  
Serial/tag no: **21009**

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: N1422A2Z 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**

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Form code: CMC 201

Revision: 2021-03

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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**