



Certificate No: **N141X859** 

This is to certify	
that the product:	Valve Assembly
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:	20198
Has been found to comply with relev DNVGL-RU-SHIP :DNV GL rules for	rant requirements in: or classification: Ships (2019-07)
The product is intended for	
Yard:	
Yard No:	_
Name of vessel:	STOCK
DNV GL Id No:	
The product / material has been	marked: N141X859 on: Valve housing
Particulars of Vendor and F	Purchaser
Vendor:	Skipper Electronics AS
Vendor reference:	
Purchaser:	
Purchaser reference:	



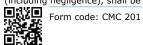
Issued at Oslo Maritime and CAP on 2020-08-18

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.



Revision: 2020-02 www.dnvgl.com Page 1 of 2

Certificate No: N141X859

## **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** 

Form code: CMC 201 Revision: 2020-02 www.dnvgl.com Page 2 of 2