

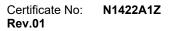
CERTIFICATE FOR VALVE - PRESSURE REDUCING

This is to certify that the product:	2 x Valve Assembly
Type designation:	SB-100-SB / SB-60-SA
Application/context:	The valve may be used in conjunction with installation of speed log or echo sounder
Serial/tag no:	20330 21041
Has been found to comply with relev DNVGL-RU-SHIP :DNV GL rules fo	
The product is intended for	
Yard:	
Yard No:	-
Name of vessel:	STOCK
DNV Id No:	. -
The product / material has been m	narked: N1422A1Z on: Valve housing
Particulars of Vendor and P	urchaser
Vendor:	Skipper Electronics AS
Vendor reference:	Valve certificates 14 12 2020
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
	This document has been digitally signed and wil therefore not have handwritten signatures
	Implementation Karlsen, Håkon SHL ONT HJ Surveyor

Karlsen, Håkon Surveyor

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Linked Type Approvals:

TAS00001J9, Bottom Penetration for Echo Sounder, Sonar or Log

Surveyor Supplementary information:

20330 - Type Designation SB-100-SB 21041 - Type Designation SB-60-SA

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