

## DET NORSKE VERITAS

Certificate No OSL-12-4372

## PRODUCT CERTIFICATE

Manufacturer:	SKIPPER Electronics AS
. Manufacturer's order No.:	81705
Purchaser:	FURUNO
Purchaser's order No.:	
The product is intended for	
Yard:	(TBD)
Yard No.:	
Name of vessel:	и 19
DNV Id. No.:	P261.1C
THIS IS TO CERTIFY:	
that the product:	Bottom Penetration for Echo Sounder, Sonar or Log
Type designation: Intended purpose: Serial No(s):	SB-60-F1_X_DB-60-SA, SB-100-SB, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 12072
Has been built and tested in accordance with the relev	vant requirements of:
DANA Daylor for Classifications   M. Obins	
DNV Rules for Classification:	☐ HSLC ☐ Naval ☐ Offshore
Other standards:	⊠ HSLC □ Naval ⊠ Offshore
Other standards:	
Other standards:  Remarks (if more than one line, use page 2):  The product was marked: NV-OSL-12-4372	On: <b>Gate Valve</b>
Other standards:	On: Gate Valve  This Certificate is only valid when signed by a DNV surveyor.
Other standards:  Remarks (if more than one line, use page 2):  The product was marked: NV-OSL-12-4372  This field is only to be filled in when the certification is based on Manufacturing Survey Arrangement (MSA).  The undersigned manufacturer declares that the product/system been built and tested in accordance with the specification/stand stated above and the conditions referred to in Manufacturing Survey Arrangement No: R-1948  Quality System Certificate No: TI 151 ISO 9001:2	On: Gate Valve  This Certificate is only valid when signed by a DNV surveyor.
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Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to 5 bar. Holding time 5 minutes.	
Marking and certificate numbers for the different parts:	
Drawings with dates of approval and/or type approval certificate number:  DNV S-6000	

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