

## DET NORSKE VERITAS

## PRODUCT CERTIFICATE

Manufacturer: Manufacturer's order No.: Purchaser:		SKIPPE	SKIPPER Electronics AS			
		82108 RAYTHEON				
						Purchaser's order No.:
The product is intended for						
Yard:		(TBD)				
Yard No.:						
Name of vessel:		دد ۲۶ 				
DNV Id. No.:		P261.10	;			
THIS IS TO CERTIFY:						
that the product: Type designation: Intended purpose: Serial No(s):		Bottom	Penetration	for Echo Sounde	r, Sonar or Log	
		SB-60-LA, DB-60-SA, SB-100-SBX_, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 12234				
	ccordance with the re					
Has been built and tested in ac DNV Rules for Classification:	⊠ Ships □ Other standard	⊠ HSI		🗌 Naval	⊠ Offshore	
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line	<ul> <li>☑ Ships</li> <li>☑ Other standard</li> <li>a, use page 2):</li> </ul>	⊠ HSI s:	LC		⊠ Offshore	
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line The product was marked: <b>NV-O</b>	Ships Other standard other standard other standard other standard other standard other standard	S:	LC On: Gate Val	ve		
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line	Ships     Other standard      or, use page 2):      SL-12-4534 en the certification is base	S:	LC On: Gate Val	ve tificate is only valid	⊠ Offshore	
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in wh Manufacturing Survey Arrangeme The undersigned manufacturer do been built and tested in accordan stated above and the conditions of Manufacturing Survey Arr Quality System Certificate	Ships     Other standard     Other standard     or, use page 2):     OSL-12-4534 en the certification is based ent (MSA). eclares that the product/sy ice with the specification/si referred to in angement No: R-194	☐ HSI S: d on a stem has tandard <b>18</b>	LC <u>On: <b>Gate Val</b></u> This Cer	ve tificate is only valid	when signed by a DNV	
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Technical data:

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:  $\ensuremath{\text{DNV}}$  S-6000