



DET NORSKE VERITAS

Certificate No.: NV OSL 07 4514

PRODUCT CERTIFICATE

THIS IS TO CERTIFY THAT:

Product description: **Gate valve 100mm**

Type designation: **ETNSJB/ETNSLB-100mm \_\_x\_\_ SB-100-ECHO/DL/EML \_\_DB-100-ECHO/DL/EML \_\_**

Serial No: **07214**

Marking: **NV OSL 07 4514**

Manufactured by: **SKIPPER ELECTRONICS AS**  
(manufacturer and location)

Ordered by (customer): **KONGSBERG MARITIME AS CARPUS 3616 KONGSBERG**

Customer reference: **RH-70594**

Intended for:

Conforms with the following specification/standard:  
(if necessary use Appendix to certificates form no. 40.91a)

**DNV Rules for Classification of ship and mobile offshore units**


Remarks/test results:  
**OK**

☐ If marked x, see encl.

For Det Norske Veritas AS

**OSLO**  
Place

**17.09.2007.**  
Date

  
Surveyor  
  
OSLO

Declaration by manufacturer (when applicable)

The undersigned manufacturer declares that the specified product has been built and tested in conformity with the specification/standard stated above and the conditions referred to in:

Type Approval Certificate No.: **S - 4612**

Quality System Certificate No.: **TI 151,NS-EN ISO 9001:2000**

Manufacturing Survey Arrangement No.: **R - 1948**

This Product Certificate is valid only when endorsed by a DNV Surveyor. The endorsement is a statement that the conditions stipulated in the Manufacturing Survey Arrangement for the product in question have been complied with.

Manufacturer:

**OSLO**  
Place

**17.09.2007**  
Date

  
pr. **SKIPPER Electronics A/S**  
Anders Karlstad  
Name

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.




## PRODUCT CERTIFICATE

## THIS IS TO CERTIFY THAT:

Product description: **Bottom Penetration for Echo Sounder, Sonar or Log**Type designation: **PCSV60-65mm \_\_\_\_\_, SB-60-SA \_\_\_\_\_, DB-60-xx \_\_\_\_\_**  
**ETNSJB/ETNSLB-100mm \_\_x\_\_, SB-100-SA \_\_\_\_\_, DB-100-xx \_\_\_\_\_**Serial No: **07297** Marking: **NV OSL 07 4597**Manufactured by: **SKIPPER Electronics AS, Ryensvingen 5, 0612 Oslo, Norway**  
(manufacturer and location)Ordered by (customer): **KONGSBERG MARITIME AS 3601 KONGSBERG**Customer reference: **ORDRE NO.: RH 71744**

Intended for:

Conforms with the following specification/standard:  
(if necessary use Appendix to certificates form no. 40.91a)**DNV Rules for Classification of ship and mobile offshore units**Remarks/test results:  
**OK**☐ If marked x, see encl.**For Det Norske Veritas AS**OSLO  
Place27.11.2007.  
Date  
Surveyor

## Declaration by manufacturer (when applicable)

The undersigned manufacturer declares that the specified product has been built and tested in conformity with the specification/standard stated above and the conditions referred to in:

Type Approval Certificate No.: **S - 4867**Quality System Certificate No.: **TI 151,NS-EN ISO 9001:2000**Manufacturing Survey Arrangement No.: **R - 1948**

This Product Certificate is valid only when endorsed by a DNV Surveyor. The endorsement is a statement that the conditions stipulated in the Manufacturing Survey Arrangement for the product in question have been complied with.

Manufacturer: **Skipper Electronics**OSLO  
Place27.11.2007  
Date  
pr. **SKIPPER Electronics AS**  
Anders Karlstad  
Name

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.