



# AMERICAN BUREAU OF SHIPPING

Customer Name	SKIPPER ELECTRONICS A/S	Purchase Order No.	89477
Attending Office	Oslo	Report Number	OS2446856
First Visit Date	25-Sep-2013	Last Visit Date	25-Sep-2013

**Certification Of:** Ship Side Valve Quantity: Seven (7)  
Manufacturer: SKIPPER ELECTRONICS A/S

**Survey Location :** Oslo, Norway

## Equipment Data

Destination Vessel (Name)  
Destination Vessel (Class Number)  
Designer Name SKIPPER ELECTRONICS A/S  
Purchaser Name For Stock

## Design Details

Design State Product Design Assessed  
ABS Reviewing Organization London Engineering Department  
Drawing Number 07-LD231781/1-PDA

## Additional Data

### One (1) Valve 60 mm with Intermediate Element

Manufacturer Number(S. No.) 13296  
Model No. SB-60-SA  
ABS Stamping ✱ OS2446856-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

### One (1) Valve 60 mm with Intermediate Element

Manufacturer Number(S. No.) 13297  
Model No. SB-60-SA  
ABS Stamping ✱ OS2446856-A  
Valve Size 60  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

### One (1) Valve 60 mm with Intermediate Element

Manufacturer Number(S. No.) 13298  
Model No. SB-60-SA  
ABS Stamping ✱ OS2446856-A  
Valve Size 60  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

### One (1) Valve 100 mm with Intermediate Element

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Manufacturer Number(S. No.) 13300  
Model No. SB-100-SB  
ABS Stamping \* OS2446856-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

**One (1) Valve 100 mm with Intermediate Element**

Manufacturer Number(S. No.) 13301  
Model No. SB-100-SB  
ABS Stamping \* OS2446856-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

**One (1) Valve 100 mm with Intermediate Element**

Manufacturer Number(S. No.) 13302  
Model No. SB-100-SB  
ABS Stamping \* OS2446856-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

**One (1) Valve 100 mm with Intermediate Element**

Manufacturer Number(S. No.) 13299  
Model No. SB-100-SB  
ABS Stamping \* OS2446856-A  
Valve Size 100  
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Design Pressure 5 bar

**This is to Certify** that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Hydrostatic pressure test of intermediate element connected to the valve flange was carried out at 5 bar, no leakages or plastic deformation were noted.

Traceability of materials used on this project has been verified.

The principal data has been verified in accordance with the applicable Rules/specifications and approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

Manufacturer confirmed the product does not contain asbestos through Asbestos Free Declarations and/or supporting documents.

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Manufacturer test records and/or mill certificates were confirmed to comply with specification.  
Final markings for identification confirmed.

**Surveyor(s) to The American Bureau of Shipping  
Attending Surveyors**

Legland Egil C.

Electronically Signed on 27-Sep-2013

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**Reviewed By**  
Fuglei, Tor Brodde

Electronically Signed on 29-Sep-2013, Oslo Port

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