

Certificate for Machinery Equipment

Valves

This is to certify that the undersigned Surveyor to LLOYD'S REGISTER did at the request of the below customer, attend the testing and examination of the product(s) described below in accordance with the relevant Rules and Regulations for the Classification of Ships and found it/them satisfactory.

General information

Customer	Jotron Skipper AS
Purchase Order No	PWO-127127
Manufacturer	Jotron Skipper AS
Intended for	Warehouse
Customer Work Order No	PWO-127127 and PWO-126794
Date of issue	06 April 2024
Quantity	2 pcs

Particulars

Description	1 SA 100 Seavalve and 1 SB 100 Seavalve with bottom flanges S/Nn 24205-06
Size	100 mm
Valve body material	CuSn5Zn5Pb5-C and steel
Test pressure body	-
Test pressure seat	5 bar
Design pressure	-
Set pressure if applicable	-
Quantity	2

Identification Marks On Product

I.D number	LR OSL2400264
Surveyors initials	-
Date of inspection	04.04.2024

Remarks

No remarks raised

Johannes Nordtveit
Lloyd's Register EMEA
A subsidiary of Lloyd's Register Group Limited



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Certificate No. OSL2400264
First Date of Inspection 04 April 2024
Final Date of Inspection 04 April 2024
Office Oslo

Description	Manufacturer Designation	Serial Number	IMO Number
SB-100-SB-LR		24206	0
SB-100-SA-LR		24205	0

PICKING LIST

SKIPPER

SKI-NO: PWO/126794



Printed: 02.04.2024 - 14:16

Operation number Operation Manufacturing area Remaining quantity
PRODUCTION **1 stk**

Note
SB-100-SA-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 200			
1-PALL-00 1-PALL-00 27 stk	SSA/133317-1	✓ 1 stk	DB-2051 2301 Intermediate element for xB-100-xB casted
1-PALL-03 1-PALL-03 888 stk	SSA/132281-1	8 stk	ZOA-01075 Screw M16x55 mm DIN933 A4-80
For operation number 100			
1-PALL-06 1-PALL-06 17 stk	SSA/132489-1	✓ 1 stk	ZCC-01011 Main element DN100 PN16/3.1.B RG5/Bronze, Gate valve, Certificat 3.1.B / TDC
For operation number 200			
1-PALL-06 1-PALL-06 4 stk	SSA/132947-1	✓ 1 stk	SB-2019 569485 2407 Bottom flange for SB-100-xx
1-PALL-07 1-PALL-07 5 stk	SSA/133098-1	✓ 1 stk	DB-2031 Top Flange for XB-100/200-XX
1-S-74 1-S-74 223 stk	SSA/132430-1	1 stk	DB-2040 Washer Ø46x2,5 Ø32,5 for XB-60/100/200-XX
1-T-01 1-T-01 500 stk	SSA/133510-1	2 stk	DB-2035 Gasket Ø47/32,5 X 20mm for XB-60/100/200-XX
1-T-02 1-T-02 716 stk	SSA/132278-1	12 stk	ZOA-01036 Nut M16 DIN934 A4
1-T-02 1-T-02 12 stk	SSA/132719-1	1 stk	DB-2036 Nut M50 Brass for XB-60/100/200-XX
1-T-02 1-T-02 1378 stk	SSA/132835-1	12 stk	ZOA-01035 Spring washer M16 DIN127B A4
Varmerom Varmerom 3809 stk	SSA/131679-1	2 stk	ZZA-01127 Metallised polyester label on roll

Additional parts

Product	Stockloc	Quantity
GVA-LR Sea Valve approval from Lloyds Register		1 stk

B / C
 S.no. 24205- 1x56 / 1x64

SKIPPER Electronics A/S
Enebakkveien 150
P.O.Box 151 Manglerud
N-0612 OSLO

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E-mail: support@skipper.no
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SKIPPER

C.O. reg no: NO-965378847-MVA

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24205
Class certificate no.:	

Class stamp and certificate no. shall be stamped on main element and bottom flange (welding part)

Class: DNV ABS BV LR RINA NK

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
<u>DB-60</u>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
<u>SB-100</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<u>DB-100</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<u>ETN- 100mm</u>							<input type="checkbox"/>	<input type="checkbox"/>
<u>SB-200-Echo</u>	<input type="checkbox"/>							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
Valve Element:	1X56	1X64	ZCC-01011
Intermediate Element:		2301	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks:

Pressure Test:

Working pressure 2 bar

Tested for 5 minutes with 5 bar pressure,

According to procedure no. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks:

Date: 2/4-24

Sign.: 

PICKING LIST

SKIPPER

SKI-NO: PWO/127127

CASE. 127123



Printed: 02.04.2024 - 14:41

Operation number Operation Manufacturing area Remaining quantity
PRODUCTION **1 stk**

Note
SB-100-SB-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 200			
1-PALL-00 1-PALL-00 27 stk	SSA/133317-1	✓ 1 stk	DB-2051 2301 Intermediate element for xB-100-xB casted
1-PALL-03 1-PALL-03 888 stk	SSA/132281-1	8 stk	ZOA-01075 Screw M16x55 mm DIN933 A4-80
1-PALL-06 1-PALL-06 4 stk	SSA/132947-1	✓ 1 stk	SB-2019 569485 2407 Bottom flange for SB-100-xx
For operation number 100			
1-PALL-07 1-PALL-07 1 stk LAGER 20 L20-1 1 stk Picking blocked	SSA/131085-1	✓ 1 stk	ZCC-01015 Main element, Ball Valve DN100 PN16/3.1.B
For operation number 200			
1-PALL-07 1-PALL-07 5 stk	SSA/133098-1	✓ 1 stk	DB-2031 Top Flange for XB-100/200-XX
1-S-74 1-S-74 223 stk	SSA/132430-1	1 stk	DB-2040 Washer Ø46x2,5 Ø32,5 for XB-60/100/200-XX
1-T-01 1-T-01 500 stk	SSA/133510-1	2 stk	DB-2035 Gasket Ø47/32,5 X 20mm for XB-60/100/200-XX
1-T-02 1-T-02 716 stk	SSA/132278-1	12 stk	ZOA-01036 Nut M16 DIN934 A4
1-T-02 1-T-02 12 stk	SSA/132719-1	1 stk	DB-2036 Nut M50 Brass for XB-60/100/200-XX
1-T-02 1-T-02 1378 stk	SSA/132835-1	12 stk	ZOA-01035 Spring washer M16 DIN127B A4
Varmerom Varmerom 3809 stk	SSA/131679-1	2 stk	ZZA-01127 Metallised polyester label on roll

Additional parts

Product	Stockloc	Quantity
GVA-LR Sea Valve approval from Lloyds Register		1 stk

B / C
 S.no. 24206 - TE9A / TD9A

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SKIPPER

C.O. reg no: NO-965378847-MVA

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24206
Class certificate no.:	

Class stamp and certificate no. shall be stamped on main element and bottom flange (welding part)

Class: DNV ABS BV LR RINA NK

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
<u>DB-60</u>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
<u>SB-100</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<u>DB-100</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<u>ETN- 100mm</u>							<input type="checkbox"/>	<input type="checkbox"/>
<u>SB-200-Echo</u>	<input type="checkbox"/>							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
Valve Element:	TE9A	TD9A	ZCC-01011
Intermediate Element:		2301	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks:

Pressure Test:

Working pressure 2 bar

Tested for 5 minutes with 5 bar pressure,

According to procedure no. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks:

Date: 2/4-24

Sign.: 