



# TEST CERTIFICATE

N°18/X4/01/9/1

RINA file No.: X4/2018/X4/01/9  
Manufacturer or Supplier: SKIPPER ELECTRONICS AS - ENEBAKKVEIEN 150 RYEN Oslo - NORWAY  
Work Order No.: 106329  
Purchaser: Wärtsilä SAM Electronics GmbH - BEHRINGSTRASSE 120 Hamburg - GERMANY  
Order No.: 369/4512081841 Intended for: for stock

THIS IS TO CERTIFY that the items, particulars of which are given below, have been tested and found to be in compliance with the requirements of RINA Rules for the Classification of Ships

The calibration status and adequacy of the test measurements devices used have been satisfactorily verified.

Description of material:

**1. Single Bottom Ball valves, type: SB-100-LB-RINA**

a. Material of valve bodies: SS; DN (mm): 100; Description, Standard or Approved Drawing: Ball valve; (Quantity: 2)  
Hydrostatic test pressure (bar): 5  
Serial Number: 18031, 18032

Inspection and test carried out:

- Testing of materials
- Visual and dimensional examination
- Hydrostatic test

Markings: 2018/X4/01/9



Testing date: 18Jan2018

Issued at: Sandefjord

on: 19Mar2018

Jarle Bjørntvedt

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