DNV·GL

Certificate No:
TALB0000023

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Automatic self-righting liferafts

with type designation(s)
LSA 100P SRL MK1

Issued to
Liferaft Systems Australia PTY Ltd.
TASMANIA TASMANIA, Australia

is found to comply with
SOLAS 74 as amended, Regulation III/4, III/26.2, III/34. IMO Res. MSC 48(66) - Lifesaving Appliance Code. Tested to IMO Res. MSC 81(70).
TP14475E Ed.1 (2010-03) Canadian life saving appliance standard

Application :

This certificate is recognized by Transport Canada

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2018-03-07**
This Certificate is valid until **2023-03-06**.
DNV GL local station: **Hobart**

Approval Engineer: **Tessa Biever**

for **DNV GL**

Mårten Schei-Nilsson
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-028217-1**
Certificate No: **TALB0000023**

Product description

"LSA 100P SRL MK1" is an automatically self-righting inflatable liferaft with a capacity for 100 persons.

Container material:	As detailed in DSI.017, issue 5, dated 2001-11-02
Buoyancy tube fabric:	As detailed in DSI.001, issue 6, dated 2003-10-02
Exterior canopy fabric:	As detailed in DSI.002b, issue 3, dated 2003-10-07

The design assessment is based on IMO Res. MSC.48(66) as amended including IMO Res. MSC.293(87) and Canadian Lifesaving Appliance Standard TP 14475E, Ch. IV §4.1 and §4.2 and Life saving equipment regulations C.R.C.1436 Schedule VIII.

Application/Limitation

Stowage height, max:	SOLAS A Pack : 25 m
	SOLAS B Pack : 25 m
Number of person, max:	100
Required towing force:	2 knots – 1,55 kN 3 knots – 3,86 kN

- The liferaft shall be packed with a SOLAS A PACK or SOLAS B PACK.
- Gas cylinders shall be of an approved type
- Components in the gas inflation system should be approved according to ISO 15738:2002
- The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.
- Production testing shall be carried out according to IMO Res. MSC 81(70) part 2.

Type examination documentation

Drawings and test report as per DNV Approval letter (ref. DNV GL technical file 344.1-002782)	2008-10-14
Marking iaw Transport Canada iaw Procedures For Approval of Life-Saving Appliances and Fire Safety Systems, Equipment and Products" (TP14612E) Ch.2.2.1.3.	
- Drawing no. 0229, Rev. 8, Handling instructions	2011-08-17
- Drawing no. 0237, Rev. 6, Rescue line label	2014-09-05
- Drawing no. 0281, Rev. 3, This side in board label	2007-10-29
- Drawing no. 0349, Rev. 4, Floor drain label	2007-09-20
- Drawing no. 0383, Rev. 8, Engraved Operations	2017-06-28
- Drawing no. 0535, Rev. 2, SART Fitted	2004-11-23
- Drawing no. 069, Rev. 8, Door closure	2015-01-14
- Drawing no. 077, Rev. 7, Towing label	2014-09-12
- Drawing no. 079, Rev. 7, Boarding label	2014-09-17
- Drawing no. 081, Rev. 12, Canister data label	2016-01-13
- Drawing no. 0056 (6 sheets), Canister (marking)	1994-07-11
- Drawing no. 0057 (5 sheets), Canister (marking)	1994-07-08
Prototype test reports for increase of weight from 75 to 82.5 kg witnessed by DNV surveyor	2011-11-17 2011-12-16
MCA Certificates of Inspection and Tests of materials referred in DSI.001 and DSI.002b	-
Hose pressure test iaw Canadian Lifesaving Appliance Standard TP 14475E, Part II, Ch.5 §5.1.2.	2018-01-31
Other	

Product specification 100P MK1 Liferaft doc. No DSI.015 dated:	1998.12.04
Product specification 100P SRL Liferaft	-

Prototype tests in accordance with the recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, including IMO Res. MSC.226(82), IMO Res. MSC.295(87) and IMO Res. MSC.323(89) as specified in above mentioned documentation.

Tested to the requirements given in the Canadian Lifesaving Appliance Standard TP 14475E, Part II, Ch.5 §5.1.2.

Marking of product

The product is to be indelibly marked with name of manufacturer, type designation and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC.48(66)) items 4.2.6.3 and 4.2.7.

All instructions and markings accompanying the liferafts, or printed directly on the liferafts, shall be in both English and French, as per "Procedures For Approval of Life-Saving Appliances and Fire Safety Systems, Equipment and Products" (TP14612E) Ch.2.2.1.3.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product listed in this certificate is in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.