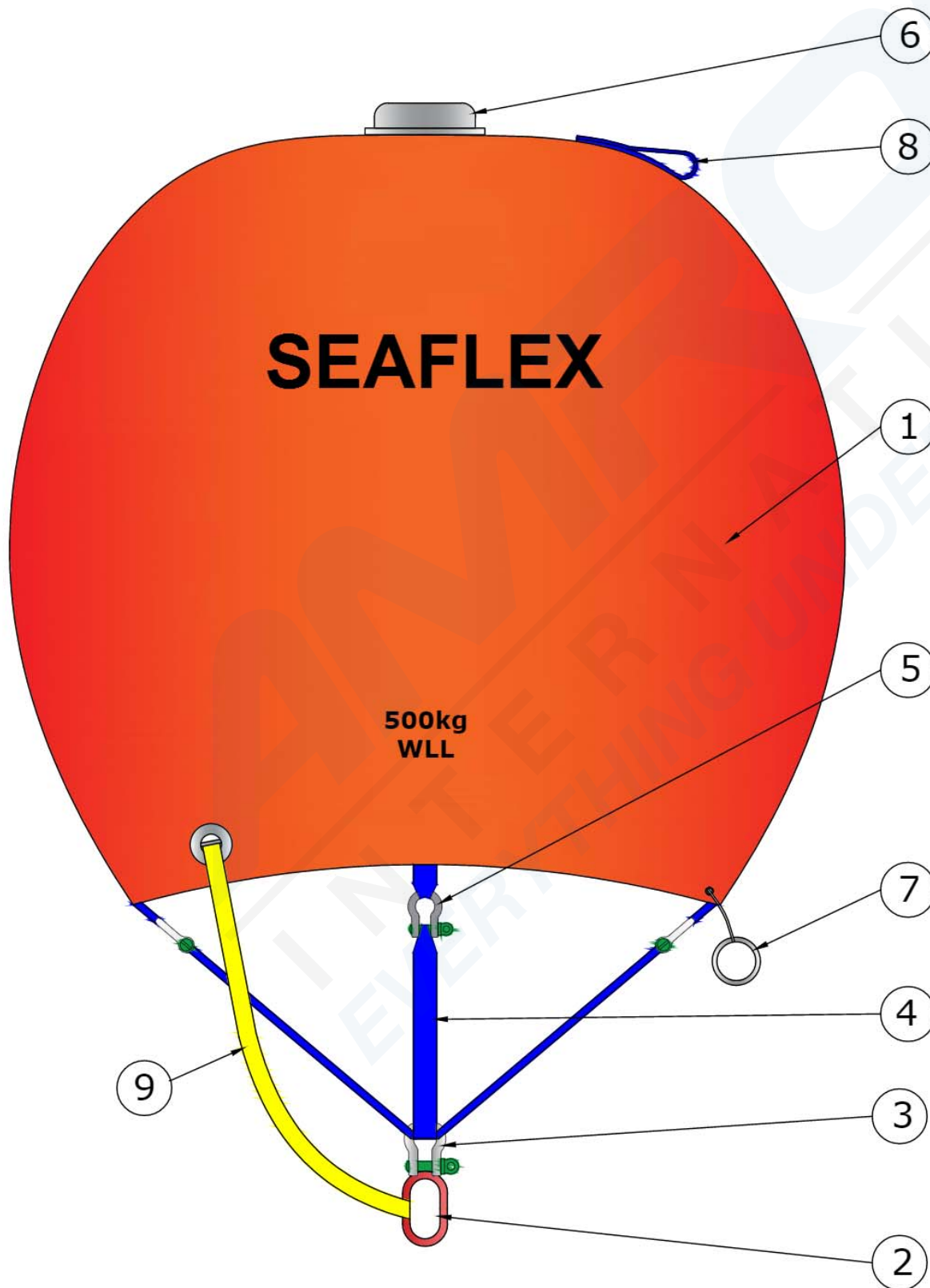


PRODUCT DETAILS:

Max Height Filled - 1.7m
Max Height Empty - 2.0m
Max Diameter Filled - 1.2m
Product Weight - 5kg Approx

500kg Air Lift Bag Component List			
Item Number	Component Title	Component Description	QTY Per Unit
1	Canopy	Heavy Duty PVC coated Polyester Base Cloth	1
2	Masterlink Assembly	Masterlink Assembly	1
3	Shackles	Galvanised Green Screw Pin Shackles	1
4	Main Strops	Polyester Sling Webbing fitted	4
5	Shackles	Galvanised Green Screw Pin Shackle	4
6	Dump Valve	2" Bottom Operated Dump valve	1
7	Dump Valve Lanyard	3mm Cord complete with Tinsley Ring	1
8	Inverter Point	Webbing Patch for Inverter Line Attachment	1
9	De-Tangler	Unique De-Tangler verifies Rigging in Zero Visibility	1



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 Unique SEAFLEX A Unique Maritime Group Company	
SEAVIEW ROAD COWES ISLE OF WIGHT ENGLAND PO31 7US TEL: +44 1983 290 525 www.uniquegroup.com	
DRAWING TITLE 500kg Air Lift Bag Specification Sheet	SCALE N.T.S @ A3
PROJECT NUMBER Air Lift Bag (ALB)	DRAWN GJP
DRAWING No. 500kg - ALB - SS	REVISION 01

Certificate of Type Test

Issued by : National Engineering Laboratory
Mechanical Testing & Analysis

Certificate No. : Seaflex Type 0.5t/002/2006 Date of Issue: 10 October 2006



National Engineering Laboratory
East Kilbride, Glasgow
G75 0QU, United Kingdom
Tel No. +44 (0)1355 220222
Fax No. +44 (0)1355 272791
Direct Line +44 (0)1355 272174 or +44 (0)1355 272382
Email: dhare@tuvnel.com or lhunter@tuvnel.com

Page 1 of 2

Approved Signatories
L. Hunter – Test Section Manager

Customer : Seaflex Ltd.
Customer Address : Samuel Whites, Cowes, Isle of Wight, PO31 7R, United Kingdom.
Order No. : 101006/1GB **Project No.** : WAW600000
NEL Test Mark : MTAT-02 **Certificate No.** : Seaflex Type 0.5t/002/2006

Specimen received date : 5 October 2006 **Date of Test** : 9 October 2006

Specimen Description : 500 kg capacity Air Lift Bag (ALB) constructed from high tensile PVC coated polyester base cloth. 4 x 25mm wide polyester webbing straps are sewn 185mm down the bag terminating in loops 50mm beyond the hem level. 4 additional 25mm wide terminal straps approximately 800mm long with loops sewn in both ends are joined to the bag's loops with a gooseneck connection. A 1t SWL shackle is passed through the loops on the free ends of the terminal straps and linked to a 2.1 t SWL steel lifting ring. A spring loaded dump valve complete with an operation lanyard is inserted in the top of the bag. The bag has a maximum diameter of 1.2 m and an O/A height of 1.7 m.
(See overleaf for bag drawing and Components List).

Identification Mark : Seaflex 500 kg ALB

Type of Test : Type Test in accordance with Health & Safety Executive Notice 3/88 and Guidance No. IMCA D016.

Test Machine : D1

Peak Load Achieved on Snatch Test : 55 kN (5.61 tonne)

Test Results : Pass

Comments : Full Dimensional Specifications supplied by Seaflex Ltd. and Retained by NEL.

Distribution

Seaflex Ltd.	1 copy
NEL	1 copy

Tested by D. Hare

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

PPE/Testcert_Issue 1.0

NEL is a trading name of TUV NEL Ltd. registered in Scotland at East Kilbride, Glasgow G75 0QU. Registered Number SC215164



CERTIFICATE NUMBER

12-LD890111-PDA

DATE

22 August 2012

ABS TECHNICAL OFFICE

London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
SEAFLEX LTD.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Air Lift Bag**

MODEL: **25kg ALB, 50kg ALB, 100kg ALB, 250kg ALB, 500kg ALB, 1t ALB, 2t ALB, 3t ALB, 5t ALB, 10t ALB, 20t ALB and 35t ALB**

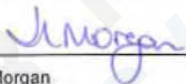
This Product Design Assessment (PDA) Certificate 12-LD890111-PDA, dated 22/Aug/2012 remains valid until 21/Aug/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


John L. Morgan
Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standard. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the abovementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A33.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

A02580110