

## CERTIFICATE OF TYPE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	Leaffield Marine Ltd
<b>Address</b>	Unit 2 Atworth Business Park Bath Road Atworth Wiltshire, SN12 8SB United Kingdom (UK)
<b>Product Type</b>	<b>A6 Transfer Valve</b>
<b>Product Description</b>	Transfer Valve covering the pressure range 0.25 to 4 psi Type: "A6PG-XXXNXXX" and "A6NP-XXXNXXX"
<b>Specified Standards</b>	IMO Resolution MSC.81 (70), Part 1 as amended ISO 15738: 2002 and ISO 9650: 2005

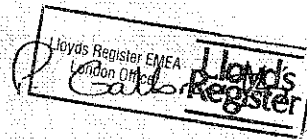
The attached Design Appraisal Document forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 15 April 2009

Expiry date 14 April 2014

Certificate No. SAS S090100

Signed



Sheet No 1 of 3

Name

P. Galbraith  
Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

**Note:**

**This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate.**

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

## DESIGN APPRAISAL DOCUMENT

Date 15 April 2009	Quote this reference on all future communications LDSS/PAS/LSA/PG
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### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S090100

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

#### EXAMINED DOCUMENTATION

<u>Title</u>	<u>Reference</u>	<u>Rev</u>	<u>Date</u>
A6 Valve Selection Chart	D99-320	01H	06/08/08
Manufacturing Order	A6NP110NW		12/06/08
Manufacturing Order	A6NP400NW		12/06/08
Manufacturing Order	A6NP029NW		11/12/08

Test Procedure for statutory approval of A6 Transfer Valve Assemblies, Report No: M-07-TP-2A6 Rev 01, November 2008.

#### TEST REPORTS

<u>Report Title</u>	<u>Report No.</u>	<u>Date</u>
Test Report for statutory approval of A6 Transfer Valve Assemblies.	M-07-TR-2A6, Rev 01	Jan/09

#### CONDITIONS OF CERTIFICATION

1. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
2. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.
3. Production items are to be manufactured in accordance with a quality control procedure and records kept as required by MSC.81 (70) Part 2, Paragraph 1.2. Production tests are to be conducted to ensure compliance with SOLAS Chapter III Regulation 5. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that administration.
4. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.

Note: Valves suitable for inflatable liferafts for small crafts used for leisure activities are tested to ensure compliance with BS ISO 9650-1:2005, 9650 -2:2005.

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Issue number	1

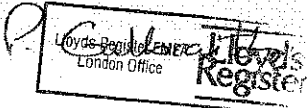
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#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S090100

##### PLACE OF PRODUCTION

Leaffield Marine Limited  
Unit 2, Atworth Business Park  
Bath Road  
Atworth  
Wiltshire  
SN12 8SB  
United Kingdom



P. Galbraith  
Senior Surveyor  
Product Approval Services  
London Design Support Services  
Lloyd's Register EMEA

##### Supplementary Type Approval Terms and Conditions

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*