



## 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.

**Manufacturer** Leaffield Marine Limited

**Address** 9 Atworth Business Park  
Bath Road  
Atworth  
SN12 8SB  
United Kingdom (UK)

**Product Type** A6 Transfer Valve

**Product Description** Transfer Valve covering the pressure range 0.25 to 4 psi Type: "A6PG-XXXNXXX"  
and "A6NP-XXXNXXX"

**Specified Standards** IMO Resolution MSC.81 (70), Part 1 as amended  
ISO 15738: 2002, ISO 9650-1:2005, ISO 9650-2:2005

**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 2019

Expiry date 14 April 2024

Certificate No. SAS S190065

Signed

Sheet No 1 of 3

Name

L. Thomas  
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 Group Limited, 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'. Lloyd's Register 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 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.



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**Lloyd's Register EMEA (Southampton)**

Marine & Offshore UK&I

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SO16 7QF

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**DESIGN APPRAISAL DOCUMENT**

Date 17 July 2019	Quote this reference on all future communications UKITSO/LSA/TA/LT/WP35187006
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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S190065**

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.

This Certificate is the renewal of Certificate No SAS S140035

**EXAMINED DOCUMENTATION**

<u>Title</u>	<u>Reference</u>	<u>Rev</u>	<u>Date</u>
A6 Valve Selection Chart	D99-320-01b	01c	03/08/15

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

LDSS/PAS/1-25655071, use of acetal co-polymers which conform to the Leaffield Marine Acetal co-polymer (POM) Material Specification ST00001, as alternative to the Hostaform C9021 and C9021LS.

**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 tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2, and Paragraph 1.2. 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 in 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



Lloyd's  
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## Lloyd's Register EMEA (Southampton)

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Date	Quote this reference on all future communications
17 July 2019	UKITSO/LSA/TA/LT/WP35187006

#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S190065

#### PLACE OF PRODUCTION

Leaffield Marine Limited  
9 Atworth Business Park  
Bath Road  
Atworth  
SN12 8SB  
United Kingdom



Lijo Thomas  
Senior Specialist  
Fire & Safety, Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
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).*