



## 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>	<b>Leaffield Marine Limited</b>
<b>Address</b>	9 Atworth Business Park, Bath Road, Atworth, Wiltshire, SN12 8SB United Kingdom (UK)
<b>Type</b>	NON-RETURN INFLATE/DEFLATE AND TRANSFER VALVE
<b>Description</b>	Non-Return, Inflation Valve & Transfer Valve Type A8
<b>Trade Name</b>	Non-Return/Inflation Valve: "B89-080-01-A8I, B89-080-02-A8I, B89-080-03-A8I, B89-080-04-A8I, 2009002 & 2009003 SERIES" & Non-Return/Transfer Valve: "B89-080-06-A8T, B89-080-07-A8T"
<b>Specified Standard</b>	ISO 15738:2019 ISO 9650-1:2022

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

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.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Lijo Thomas**

Fire & Safety - Senior Surveyor to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2424613SS**

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 a Renewal and Amendment of Certificate Number SAS S190069

**APPROVAL DOCUMENTATION**

<b>Title</b>	<b>Reference</b>	<b>Rev</b>	<b>Date</b>
Inflation Valve Type A8	B8908001A8I	OG	16/07/19
Inflation Valve Type A8	B8908002A8I	OF	16/07/19
Inflation Valve Type A8	B8908003A8I	OH	16/07/19
Inflation Valve Type A8	B8908004A8I	OG	16/07/19
Single Level Bill of Materials, A8 Inflation Valve c/w Red Cap	B8908001A8I	OG	17/07/19
Single Level Bill of Materials, A8 Inflation Valve c/w Black Cap	B8908002A8I	OF	17/07/19
Single Level Bill of Materials, A8 Inflation Valve Modified c/w Red Cap SD 4160 refers re Grey Washer	B8908003A8I	OH	17/07/19
Single Level Bill of Materials, A8 Inflation Valve Modified c/w Black Cap	B8908004	OG	17/07/19
Transfer Valve Type A8	B89-080-06-A8T	C	14/08/07
Transfer Valve Type A8	B89-080-07-A8T	D	05/09/05
Single Level Bill of Materials, A8 Transfer Valve	B8908006A8T	OC	15/04/05
Single Level Bill of Materials, A8 Transfer Valve, Modified	B8908007A8T	OD	30/08/05
CAP	B11215/ Series	O2C	16/07/19
A8 Inflation Valve Assembly c/w Cap Plug (Moulded Strap)	2009002-SERIES	01	15/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly c/w Black Cap Plug Without Logo	2009002B	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly c/w Black Cap Plug With Logo	2009002BL	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly c/w Red Cap Plug Without Logo	2009002R	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly c/w Red Cap Plug With Logo	2009002RL	01	16/09/20
A8 Inflation Valve Assembly Modified c/w Cap Plug (Moulded Strap)	2009003-SERIES	01	15/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly Modified c/w Black Cap Plug Without Logo	2009003B	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly Modified c/w Black Cap Plug With Logo	2009003BL	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly Modified c/w Red Cap Plug Without Logo	2009003R	01	16/09/20
Single Level Bill of Materials A8 Inflation Valve Assembly Modified c/w Red Cap Plug With Logo	2009003RL	01	16/09/20

Test Procedure for statutory approval of A8 Inflate/Deflate and Transfer valve Assemblies (Part Nos. B89-080-01, 03, 06 & 07), M-07-TP-1A8 Rev 02, dated June 2008.

LDSS/PAS/1-25655071, use of acetol co-polymers which conform to the Leaffield Marine Acetal co-polymer (POM) Material Specification ST00001, as alternative to the Hostaform C9021 and C9021LS, dated 07 July 2009.

Test Procedure for statutory approval for statutory approval testing of A8 Transfer, Inflation (Topping Up) and Non-Return Valves, M-07-TR-4A8, Rev 01, dated 19 October 2023.



**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2424613SS**

**TEST REPORTS**

<b><u>Report Title</u></b>	<b><u>Report No.</u></b>	<b><u>Date</u></b>
Test Report for statutory approval testing to test procedure M-07-TP-1A8 Rev 02 of A8 Inflate/Deflate and Transfer Valve Assemblies. (Part Nos. B89-080-01, 03, 06 & 07).	M-07-TR-1A8, Rev 01	07/07/2008
Test Report for further statutory approval testing to test procedure M-07-TP-1A8 Rev 02 of A8 Inflate/Deflate and Transfer Valve Assemblies. (Part Nos. B89-080-01, 03, 06 & 07).	M-07-TR-2A8, Rev 01	29/01/2009
Test Report for statutory approval testing to test procedure M-07-TR-4A8, Rev 01, A8 Transfer, Inflation (Topping Up) and Non-Return Valves. (Non-Return/Transfer Valves B89-080-06-A8T & B89-080-07-A8T, Non-Return/Inflation Valve Series 2009002 & 2009003).	M-07-TR-4A8, Rev 01	26/01/2024

**CONDITIONS OF CERTIFICATION**

1. Working Pressure Range Non-return valve 0.2 and 1.2psi.
2. 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.
3. 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.
4. 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.
5. 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 ISO 15738:2019 and ISO 9650-1:2022



**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2424613SS**

**PLACE OF PRODUCTION**

Leaffield Marine Limited  
9 Atworth Business Park  
Bath Road, Atworth  
Wiltshire, SN12 8SB  
United Kingdom (UK)

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)*