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BSH 0800-S23/4822:013

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Certificate No: LR26270337MB

Issue Date: 18/06/2026

Expiry Date: 17/06/2031

# EC Type Examination (Module B) Certificate

## USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

<b>Manufacturer</b>	<b>MCT Brattberg AB</b>
<b>Address</b>	Lyckeåborg, Karlskrona, 371 92, Sweden
<b>Reference</b>	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533
<b>Regulation Item (No. &amp; Item Designation)</b>	MED/3.26b Penetrations Through 'A' Class Divisions - Pipe, Duct, Trunk Etc. Penetrations
<b>Product Type</b>	Pipe Penetration (Standard Fire Test)
<b>Product Description</b>	Fire Resisting Single or Multiple Pipe Rectangular Penetration Seals – Type: "MCT Brattberg RGP Series" for A Class Steel Bulkheads and Decks
<b>Specified Standard</b>	IMO Res. MSC.307 (88)-(2010 FTP Code) Annex 1 Part 3 IMO MSC.1/Circ.1488 <b>Type approval requirements:</b> SOLAS 74 Reg. II-2/9. <b>Carriage and performance requirements:</b> SOLAS 74 Reg. II-2/9, IMO Res. MSC.1/Circ.1276/Rev.1, IMO Res. MSC.1/Circ.1655.
<b>Row of the Regulation Item</b>	1 of 1
<b>Trade Name</b>	RGP 50 - 300

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.  
A member of the Lloyd's Register group

**Marta Walk**

Fire & Safety - Senior Specialist  
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2023 26 May 2023 according to U.S. Coast Guard approval category number:

164.138

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production Module certificate (Module D, E or F).

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland  
GmbH, Willy-Brandt-Straße 59-65, 20457  
Hamburg, Germany.  
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**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270337MB**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

**Approval Documentation**

BRE Global Ltd, Garston, United Kingdom, Fire Test Report No.: P125338-1001, Issue 2 dated 4 April 2024

DBI Danish Institute of Fire and Security Technology, Hvidovre, Denmark; Fire Test Reports Nos.: PGB10366A, dated 6 August 2024, PGB10367A Revision 1, dated 24 March 2025

**Manufacturer’s Drawings:** 1240351, Revision C & 1240359, Revision C

**Conditions of Certification**

1. MCT Brattberg RGP round pipe transit consist of sleeve, RGP seal with insert block, add block of Lycron rubber, on both faces are fitted with hardware galvanized or stainless steel connected by a screw.
2. The RGP transit is available with outer diameters of 50, 70, 100, 150 and 200 mm, they are also available in imperial sizes 3”, 4”, 5”, 6” and 8 “. All are designed for use with insert blocks 60 mm in length with exception for RGP-50s (L=30). Which has a length of 30 mm
3. RGP transits is welded to the deck or bulkhead, two variants of sleeve available for welding S and SFR. RGP transits may be bolted to the deck or bulkhead with two variants of sleeve: SFRB and SFRBO. Sleeve types are stainless steel or aluminium.
4. RGP transit is available as EMC conversion.
5. RPG Pipe Transits may be accepted for applications in A Class steel divisions, insulation arrangement for the penetrations are given in the tables below.

**Table 1. RGP Pipe Transits in A-60 divisions**

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGP	24mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.1
RGP	24-50mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.2
RGP	24-114.5mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.3
RGP	24-160mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.4
RGP	4-24mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.5
RGP	4-50mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.6
RGP	4-160mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.7

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**Table 2. RGP Pipe Transits in A-0 divisions**

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGP	24mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.1
RGP	24-50mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.2
RGP	24-114.5mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.3
RGP	24-160mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.4
RGP	4-24mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.5
RGP	4-50mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.6
RGP	4-160mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.7

6. Composition, application and installation of subcomponents, including adhesives, seals and any fire retardants, to be maintained in production and used in accordance with originally tested composition formula and method of application and installation, and manufacturer’s instructions.
7. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
8. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
9. Each item, batch or lot of the equipment is to be issued with a “Declaration of Conformity” and have the “Mark of Conformity” affixed after a conformity assessment module is in place.
10. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

**Note (For Information only)**

RGP pipes transits underwent a hydrostatic and pneumatic pressure test as detailed in table below and in the referenced documents: Lloyd’s Register witness test reports no. QR14-5061 dated 17.05.2005; QR14-5070 dated 17.05.2005, QR-328, dated 22.08.2007, 11203w, dated 15.06.2011; Det Norske Veritas, Watertightness and Gastightness Test Reports No. N141GRC3, dated 22.11.2017, N141GRU3, dated 28.02.2018

Transit	Size	Hydrostatic pressure test		Pneumatic pressure test	
		Water pressure	Hold time	Air pressure	Hold time
RGP	50 <sup>1</sup> -200	5 bar	30 min	4 bar	30 min
RGPbtb	50-200	5 bar	60 min	3 bar	30 min
RGPbtb	300	3 bar	60 min	2 bar	30 min

<sup>1)</sup> RGP-50 and RGP-50short (L=30) have been tested



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**Place of Production**

**MCT Brattberg AB**  
Lyckeåborg  
SE-37192 Karlskrona  
Sweden

*M. Walk.*

Marta Walk  
Senior Specialist, Fire & Safety  
Statutory Discipline Team, Marine & Offshore  
Lloyd's Register EMEA  
**For and on behalf of Lloyd's Register Marine Deutschland**  
**LRMD EC Distinguishing No. 2923**