

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007HK
Revision No:
3

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Penetrations through "A" class divisions: pipe, duct, trunk, etc penetrations

with type designation(s)
WALLMax WR

Issued to
WallMax Srl
Milano, Italy

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2022/1157,
item No. MED/3.26b. SOLAS 74 as amended, Regulation II-2/9, IMO MSC.1/Circ.1276, IMO 2010 FTP Code and IMO MSC.1/1488

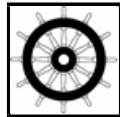
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-07-21**.

Issued at **Hamburg** on **2023-02-20**

DNV local station:
Italy/Malta CMC

Approval Engineer:
Hagen Markus



Notified Body
No.: **0098**

for DNV SE

.....
Christine Mydlak-Roeder
Head of Notified Body

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) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

WallMax® Round frames (WR) do have two-part structure, pre-assembled with a special, single-opening round rubber module, black colour that accommodates and seals the passage of one pipe only.

Frames are available in different range of diameter openings. Adaption to pipe diameter by peel-off inner layers.

Layers are off different colours; black, red, violet and yellow. Colours scheme may vary depending on the size of the modules.

Dimension of WR Modules acc. to “WR MODULE SIZES CHART - General Product Datasheet No: 7311110001”

Sleeves (SLVWR) are available as accessories in different steel qualities for bolting and welding.

Dimensions acc. to “SLVWR SIZES CHART – General data sheet no.: 7311300001”.

For further details refer to Product Catalogue “WallMax® ”

Application/Limitation

Class A-0 and A-60 Steel Bulkheads and Decks, General application.

Size range of penetration pipes (media pipe)

Pipe material	Outer diameter
Carbon and Stainless Steel	3.6mm up to 170mm

Division type	Transit type	Pipe diameter mm
BULKHEAD A0	WR 23 to WR 150	Ø 3.6 to Ø 119
	WR175 to WR 200	Ø 119 to Ø 170
DECK A0	WR 23 to WR150	Ø 3.6 to < Ø 119
	WR 175	Ø 119 to Ø 145
	WR 175 (Max. Dia.)	Ø 145
	WR 200	Ø 138 to Ø 170
	WR 200 (Min. Dia.)	Ø 138

Division type	Transit type	Pipe diameter mm
BULKHEAD A15 / A30 / A60	WR 23 to WR 25	Ø 3.6 to Ø 12
	WR 31 to WR 50	Ø 4 to Ø 30
	WR 68 to WR 150	Ø 24 to Ø 119
	WR 175 to WR 200	Ø 119 to Ø 170
	WR 200 (Max. Dia.)	Ø 170
DECK A15 / A30 / A60	WR 23 to WR 25	Ø 3.6 to Ø 11
	WR 31 to WR 50	Ø 4 to Ø 30
	WR 68 to WR 150	Ø 24 to Ø 119
	WR 175 to WR 200	Ø 119 to Ø 170

For application on A-15 and A-30 divisions, the penetration system and the penetrated division are to be insulated according to the drawings listed in the “Insulation plans - A15 / 30 Divisions” on page 3. Other applications are subject to case-by-case approval.

The insulation material used has to be approved according to the Marine Equipment Directive, bearing the Mark of Conformity.

Installation

The installation and insulation of the WallMax® sealing System is to be carried out according to the following manufacturer`s instructions, actual versions apply.

Installation

The installation and insulation of the WallMax® sealing System is to be carried out according to the following manufacturer`s instructions, actual versions apply.

Insulation plans

A-0 Divisions	Document No.	Issue date	Transit type	Pipe diameter mm
BULKHEAD A0	7170400092, Rev.02	11/11/2022	WR 23 to WR 150	Ø 3.6 to Ø 119.0
			WR175 to WR 200	Ø 119.0 to Ø 170.0
DECK A0	7170400094, Rev.02	11/11/2022	WR 23 to WR150	Ø 3.6 to Ø 119
			WR 175	Ø 119 to Ø 145
	7170400097, Rev.02	11/11/2022	WR 200	Ø 138 to Ø 170
	7170400097, Rev.02	11/11/2022	WR 175 (Max. Dia.) WR 200 (Min. Dia.)	Ø 145 Ø 138

A-60 Divisions	Document No.	Issue date	Transit type	Pipe diameter mm
BULKHEAD A60	7170400093, Rev.02	11/11/2022	WR 23 to WR 25	Ø 3.6 to Ø 12
			WR 31 to WR 50	Ø 4 to Ø 30
			WR 68 to WR 150	Ø 24 to Ø 119
			WR 175 to WR 200	Ø 119 to Ø 170
	7170400097, Rev.02	11/11/2022	WR 200 (Max. Dia.)	Ø 170
DECK A60	7170400095, Rev.02	11/11/2022	WR 23	Ø 3.6 to Ø 11
			WR 31 to WR 50	Ø 4 to Ø 30
			WR 68 to WR 150	Ø 24 to Ø 119
			WR 175 to WR 200	Ø 119 to Ø 170

A15/A30 Divisions	Document No.	Issue date	Transit type	Pipe diameter mm
BULKHEAD	7170400093.01, Rev.02	11/11/2022	WR 23 to WR 25	Ø 3.6 to Ø 12
			WR 31 to WR 50	Ø 4 to Ø 30
			WR 68 to WR 150	Ø 24 to Ø 119
			WR 175 to WR 200	Ø 119 to Ø 170
	7170400097, Rev.2	11/11/2022	WR 200 (Max. Dia.)	Ø 170

DECK	Document No.	Issue date	Transit type	Pipe diameter mm
DECK	7170400095.01, Rev.02	11/11/2022	WR 23	Ø 3.6 to Ø 11
			WR 31 to WR 50	Ø 4 to Ø 30
			WR 68 to WR 150	Ø 24 to Ø 119
			WR 175 to WR 200	Ø 119 to Ø 170

Installation and welding instructions

For installation the following WallMax® Guidelines are to be observed:

Document no. 7170400096, Rev.03 "Installation and welding instructions for WR Cable/Pipe penetration".


Each pipe penetration system is to be supplied with its actual manual for installation and use.

Tests carried out

- Fire tests according to IMO Res.MSC.307(88)-(2010 FTP Code).
- IMO MSC.1/Circ.1488

Type Examination documentation

Marking of product

Scope	Packaging unit – Modules	Sleeves with stickers
	Example	Example
Manufacturer name	WALLMAX®	WALLMAX®
Part name	WR43 AISI316	SLVWR 150 AISI 316
Part No	7111110043	7111310150
Fire Rating	A60	A60
Mark of Conformity ¹	 0098/2023	

Note

¹ may only be affixed to the type approved equipment, in case the associated production surveillance module (D, E or F) is valid.

End of certificate