

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003DR
Revision No:
2

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

This is to certify:

That the Self-contained compressed-air-operated breathing apparatus

with type designation(s)

71327 - Self-Contained Breathing Apparatus 6L SOLAS/MED, 71328 - Self-Contained Breathing Apparatus 9L SOLAS/MED

Issued to

Lalizas Hellas S.A.
Piraeus, Greece

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2022/1157**,

item No. MED/3.7. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 11, IGC Code 11 and IMO MSC.1/Circ.1499, IMO MSC.1/Circ.1555.

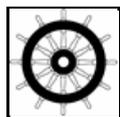
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-11-28**.

Issued at **Hamburg** on **2022-11-29**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Biever



Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
Head of Notified Body

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-surveillance 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"71327 – Self-Contained Breathing Apparatus 6L SOLAS/MED" and "71328 – Self-Contained Breathing Apparatus 9L SOLAS/MED"

Are self-contained compressed-air-operated breathing apparatus for use by fire fighting.

Maximum working pressure: 300 bar.

The principal components are as follows:

- Full-face mask (Material Code 02253)
- Pressure regulator with gauge and whistle (Material Code 02255) acc. to IMO Res. MSC.339(91) in conjunction with IMO MSC.1/Circ.1499
- Pressure and air flow regulator (Material Code 02256)
- Carrier and harness (Material Code 02254)
- Compressed air cylinder, 6L of steel (Material Code 02257) for product No. 71327
- Compressed air cylinder, 9L of carbon fibre composite with aluminium liner (Material Code 02258) for product No. 71328
- Compressed air cylinder valve (Material Code 02260)
- Storage case.

For further details, see the documents listed under Type Examination documentation below.

Application/Limitation

Approved for use as self-contained compressed air breathing apparatus of fire-fighter's outfit.

The air cylinders shall be designed in accordance with national regulations.

The volume of air contained in the air cylinders shall be at least 1200 liter.

The apparatus is not for use in accidents with cargoes.

All air cylinders for breathing apparatus shall be interchangeable.

Each SCBA shall be used together with an approved lifeline (complying with the requirements of MED/3.44 and ISO 23269-2 Para 4.28.) as part of the fire-fighters outfit according to FSS Code Ch.3.2.1.3. This lifeline to be capable of being attached by means of a snap-hook to the harness of the apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated.

The complete apparatus shall undergo practical performance tests under realistic conditions to check for imperfections.

A set of manufacturer's instructions shall accompany every unit and should be kept onboard. Manufacturer's instructions for application / limitations, checks prior to use, donning and fitting, use, cleaning and disinfection, maintenance, transport and storage shall be adhered to.

Each product is to be supplied with its manual for installation, maintenance and use.

Type Examination documentation

Test report No. 2012102 dated 2012-09-24 from Wuhan Testing Center of Marine Lifesaving Appliances, China.
Test report No. 2012079 dated 2012-09-24 from Wuhan Testing Center of Marine Lifesaving Appliances, China.
Test report No. 2012080 dated 2012-09-24 from Wuhan Testing Center of Marine Lifesaving Appliances, China.
Test report No. 2020104 dated 2020-09-25 from Wuhan Testing Center of Marine Lifesaving Appliances, China.
Test report No. 2020105 dated 2020-09-25 from Wuhan Testing Center of Marine Lifesaving Appliances, China.

Service Manual 2nd edition, page 1 of 9 from June 2013 from manufacturer.



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Tests carried out

Tested according to EN 137 (2006) and EN 136 (1998) including AC (1999) and AC (2003), ISO 23269-2:2011.

Marking of product

The product is to be marked in accordance with and ISO 23269-2 §9 and with the MED Mark of Conformity (see first page).

The compressed air cylinder markings shall include the charging pressure, capacity and the stamp of the authorized inspection body.