DNV·GL

Certificate No:
MEDB00003DR

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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) 2017/306,**
item No. MED/3.7. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 14, IGC Code 14 and IMO MSC.1/Circ.1499

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

This Certificate is valid until **2023-02-05**.

Issued at **Hamburg** on **2018-02-06**

DNV GL local station:
Piraeus

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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Product description

"71327 – Self-Contained Breathing Apparatus 6L SOLAS/MED" and
"71328 – Self-Contained Breathing Apparatus 9L SOLAS/MED"
for use by fire fighting.

Maximum working pressure 300 bar.

The principle 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

This certificate is based on the previous MED-B 59814-13 HH.

The apparatus is not for use in accidents with cargoes.

All air cylinders for breathing apparatus shall be interchangeable.

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.

Type Examination documentation

Test Report Nos.2012102, 2012079 and 2012080 dated 2012-09-24 issued by Wuhan Testing Center of Marine Lifesaving Appliances, China.

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

Tests carried out

Tested according to EN 137 (2006) and EN 136 (1998) including AC (1999) and AC (2003).

Marking of product

The product or is to be marked with name and address of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity (see first page), EN 136:1998 incl. AC:2003 §9 and EN 137:2006 §8. The compressed air cylinder markings shall include the charging pressure, capacity and the stamp of the authorised inspection body.