

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 Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: Immersion suit with inherent insulation

with type designation(s)
Lalizas NEPTUNE

Issued to

Lalizas Hellas S.A.
Piraeus, Greece

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

Regulation **(EU) 2018/773**,

item No. MED/1.5b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.

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

This Certificate is valid until **2020-05-28**.

Issued at **Hamburg** on **2018-11-01**

DNV GL local station:
Piraeus

Approval Engineer:
Roland Priebe



Notified Body
No.: **0098**



for **DNV GL SE**
Digitally Signed By: Mydlak-Röder, Christine

Location: DNV GL Hamburg, Germany
on behalf of

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"Lalizas NEPTUNE"

is an insulated immersion suit made of neoprene. The used zipper can be from YKK or TIZIP.

The suit can be provided with fixed neoprene gloves or with attached rubber gloves.

The suit is available in three adult sizes: small, medium and X-large.

For further details please see the documents under Type Examination documentation.

Application/Limitation

The Lalizas NEPTUNE shall be worn with a lifejacket approved in accordance with the Marine Equipment Directive and be "wheelmarked".

The retro-reflective materials shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2.

Type Examination documentation

This certificate is replacing the previous MED-B 94593-10 HH.

Evaluation & Test reports:

No. 2018087-1 dated 2018-06-29 from Wuhan Testing Center of Marine Life-saving Appliances,
No. 2018088-1 dated 2018-06-29 from Wuhan Testing Center of Marine Life-saving Appliances.

Evaluation & Test report witnessed by GL surveyor dated 2005-04-30 and 2006-05-24

Drawings: 0509-M-R, 0509-M-N, 0509-XL-N, 0509-XL-R

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70), Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimension and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.