DNV·GL

Certificate No:
MEDB00001MB

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 Emergency escape breathing devices (EEBD)

with type designation(s)
THRS10 and THRS15

Issued to
Jiaxing Rongsheng Lifesaving Equipment Co., Ltd.
Jiaxing City 130, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.41 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/13, FSS Code 3 and IMO MSC/Circ. 849

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

This Certificate is valid until **2022-02-06**.

Issued at **Hamburg** on **2017-02-07**

DNV GL local station:
Shanghai CMC

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"THRS10 and THRS15"
are open-circuit compressed air emergency escape breathing devices (EEBD) with hood:
- 10 minute (THRS10) / 15 minute (THRS15) rate working duration at 35 litres / min
- rated working pressure 210 bar.

Principle components:
- 2 litre (THRS10) / 3 litre (THRS15) air cylinder with regulator / pressure gauge assembly,
- hood with breathing hose assembly,
- carrying bag with harness strap.

Application/Limitation

Approved to provide personnel breathing protection during escape from a compartment that has a hazardous atmosphere. Not to be used for fire fighting or when entering oxygen deficient tanks or voids, or worn by fire fighters.

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

Type Examination documentation

Test report nos. 2011038 and 2011039 both dated 2011-07-15 issued by Wuhan Testing Center of Marine Life-saving Appliances, P.R. of China.

Tests carried out

Tested according to ISO 23269-1 (2008) and EN1146 (2005).

Marking of product

The product is to be marked according to IMO FSS Code Ch.3.2.2.4, ISO 23269-1 :2008 Ch. 9 and name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity (see first page).
In addition each EEBD should be marked with "FOR ESCAPE ONLY".