

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000063F
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Emergency escape breathing devices (EEBD)

with type designation(s)
YB15 and YB15C

Issued to

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

Regulation **MSN 1874 Amendment 7,**
item No. UK/3.41b. 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 **2026-03-24.**

Issued at **London** on **2023-07-20**

DNV local unit:
Shanghai

Approval Engineer:
Tessa Biever



Approved Body No.: **0097**

for **DNV UK Ltd.**

Christine Mydlak-Roeder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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

'YB15 and YB15C',
 are Emergency Escape Breathing Devices (EEBD) equipped with face mask and hood.

Type	Bottle volume	Nom. Working pressure	Nom. Service duration	Weight	Cylinder material
YB15	3 L	210 bar	>15 min	7 kg	Steel (manufactured by Nanjing Banquiao Fire Fighting Equipment Co, Ltd., OR Sinoma Science & Technology Co., Ltd.
YB15C	3 L	210 bar	>15 min	4.2 kg	Composite (manufactured by Zhejiang Kaibo Pressure Vessel Co., Ltd.)

For further details see documentation listed below under "Type Examination documentation".

Application/Limitation

Approved as an emergency escape breathing device in accordance with SOLAS Reg. II-2/13.3.4 and FSS Code Ch.3.2.2 to provide personnel breathing protection during escape from a compartment that has hazardous atmosphere.

Not to be used for fighting fires or when entering oxygen deficient tanks or voids or worn by fire-fighters.

Air cylinders and valves to be designed and manufactured in accordance with a national standard.

The compressed air shall comply with EN 12021.

As the weight of the YB15 with 3 L steel cylinder exceeds 5 kg, it is not designed to be carried on the man for at least 8 h, in accordance with EN 1146:2005, 6.6.

Each product shall be delivered with its manual for use and maintenance. Where the reliable performance of the breathing device or parts thereof are dependent of special attention due to ageing, use, cleaning or disinfection, storage conditions, service, replacement of parts etc., this shall be clearly stated there.

Type Examination documentation

Test report No. 2019070 dated 2019-07-25 from CCS Wuhan Testing Center of Marine LSA, China.
 Test report No. 2019071 dated 2019-07-25 from CCS Wuhan Testing Center of Marine LSA, China.

Drawing EEBD dated 2020-01-13 from manufacturer.

EEBD User Manual YBMN23 from manufacturer.

Product data sheet YBDS19124.

Tests carried out

Tested according to ISO 23269-1:2008 and EN 1146:2005.

Marking of product

The product is to be marked according to IMO FSS Code Ch.3.2.2.4, ISO 23269-1:2008, 9 and EN 1146:2005, 8 and with name and address of manufacturer, type designation and the UK Mark of Conformity (see first page).

The pressure vessel marking shall include the charging pressure, capacity and stamp of the authorized inspection body.

In addition, each EEBD should be marked with "FOR ESCAPE ONLY".