

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00008AH
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): self-contained closed-circuit compressed air breathing apparatus

with type designation(s)
M-20.2

Issued to

Ocenco Incorporated
Pleasant Prairie, USA

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

Regulation **MSN 1874 Amendment 6**,
item No. **UK/3.41c. 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 **2025-10-26**.

Issued at **London** on **2022-12-20**

DNV local unit:
Hamburg



for **DNV UK Ltd.**

Approval Engineer:
Roland Priebe

Approved Body No.: **0097**

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Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

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. The product liability rests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV UK Ltd. of any changes to the approved equipment. 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. This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.

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

The **M-20.2** is a self-contained closed-circuit Emergency Escape Breathing Device (EEBD). The compressed oxygen delivery system activates automatically when the device is removed from the storage case. The demand regulator allows the user to inhale via the mouthpiece immediately from the device when donned. The M-20.2 is designed to be belt-worn (hand-free).

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

Approved as an emergency escape breathing device in accordance with SOLAS II-2 Reg.13.3.4 and FSS Code Ch.3.2.2. to provide personal 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.

Rated working duration: 15 minutes

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

Report/Drawing No	Description
20-2043998-PDA	PRODUCT DESIGN ASSESSMENT dated 2020-10-26
N22003	MAIN ASSEMBLY DRAWING dated 1999-06-28
13458	ENVIRONMENTAL CONDITIONING AND SINUSOIDAL VIBRATION TEST dated 2010-04-06
EC.2.3.2	DONNING TEST REPORT dated 1997-09-22
9509.2	SALT SPRAY (FOG) TEST dated 1997-09-03 - Kenosha, WI, USA

Tests carried out

Tested according to ISO 23269-1:2008 and EN 13794:2002

Marking of product

The product is to be marked according to IMO FSS Code Ch.3.2.2.4, ISO 23269-1:2008 Para.9 and EN 13794:2002 Para.8 and with name and address of manufacturer, type designation and the 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".