

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00009D6
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 Self-contained compressed-air-operated breathing apparatus

with type designation(s)
M1 SCBA

Issued to
MSA Europe GmbH
Jona, Switzerland

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 9**,
item No. UK/3.7. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 11, IGC Code 11 and IMO MSC.1/Circ.1499, IMO MSC.1/Circ.1555.

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

This Certificate is valid until **2030-01-08**.

Issued at **London** on **2025-01-16**

DNV local unit:
**AC Europe Business
Support**

Approval Engineer:
Timo Linn



Approved Body No.: **0097**

for **DNV UK Ltd.**

Mydlak-Röder, Christine

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

The M1 SCBA is a self-contained compressed-air-operated breathing apparatus (SCBA) for shipboard fire-fighters.

Model	Bottle volume	Nom. working pressure	Capacity	Weight	Cylinder material
M1 SCBA	1x 6 - 6,9 l	30 Mpa	1800 - 2000 l	≤18 kg	Seamless steel gas cylinder and Composite gas cylinders
	2 x 4 l	20 Mpa	1600 l	≤18 kg	Seamless steel gas cylinder

They consist of following principal components:

- a) Full face mask
G1 full face mask and helmet mask as described in "Coded Configuration Matrix G1 Facepiece" (DG-ATO-G1FP)
- b) Air supply valves
As specified in "Overview Cylinder-Valve Assemblies for MSA SCBA" (DG5103300)
- c) Electronic pressure indicator and rest air warning device
ATO codes J4 and J5 of Manifold Options in drawing "M1 System Map" (DG 2018700)
- d) Pressure reducer
ATO codes S3, S4 and C1 of Pneumatic in drawing "M1 System Map" (DG 2018700)
- e) Back-Frame
ATO codes BNA, BSO, DB, DR, BR of Backplate in drawing "M1 System Map" (DG 2018700)
- f) Gas cylinder
As specified in "Overview Cylinder-Valve Assemblies for MSA SCBA" (DG5103300)

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

Application/Limitation

Approved for use as self-contained compressed-air-operated breathing apparatus of fire-fighter's outfit.

The SCBA is in compliance with IMO FSS Code Ch.3 Para 2.1.2.1 and 2.1.2.2 as amended by IMO Res. MSC.339(91).

The apparatus is not for use in accidents with cargoes

All air cylinders for breathing apparatus shall be interchangeable.

Each SCBA shall be used together with an approved lifeline (complying with the requirements of MED/3.44 and ISO 23269-2 Para 4.28.) as part of the fire-fighters outfit according to FSS Code Ch.3.2.1.3.

Air cylinders and their valves shall comply with appropriate national regulations.

The volume of air contained in the cylinder shall be at least 1200 l.

The compressed air shall comply with EN 12021.

The complete apparatus shall undergo practical performance tests under realistic conditions to check for Imperfections

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 No. 10689E/22/02 PSA dated 2024-12-18 from DEKRA Testing and Certification GmbH, 45307 Essen, Germany.

Tests carried out

Tested acc. to EN 137 (2006), EN 136 (1998) including AC (2003) and ISO 23269-2:2011

Marking of product

The product is to be marked with name and address of manufacturer, type designation, dimensions and date of manufacture and the UK Mark of Conformity.