



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No.	01-014293/0110722
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THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

<p>SELF-CONTAINED OPEN CIRCUIT POSITIVE COMPRESSED AIR BREATHING BREATHING APPARATUS WITH A HOOD FOR ESCAPE Type: ELSA 2000 (ELSA-10-B, ELSA-15-B, ELSA-15-B-BD and ELSA-15-B-AS)</p>
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NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2019/1397)

<p>MED/3.41 Emergency escape breathing devices (EEBD)</p>
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MANUFACTURER:

<p>SCOTT HEALTH & SAFETY Ltd Pimbo Road, West Pimbo Skelmersdale, Lancashire, WN8 9RA UNITED KINGDOM</p>
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REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2019/1397)

<p>SOLAS 74 as amended Reg. II-2/13, IMO Res.MSC.98(73)-(FSS Code) 3, IMO MSC/Circ.849, ISO 23269-1:2008 and EN 1146:2005</p>
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NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. 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 Annex II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2023-06-01**

Place and date: **Split, 2020-08-20**

Seal

Signature
Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

The "ELSA 2000 - Emergency Evacuation Breathing Device is an open-circuit compressed air emergency escape breathing device incorporating a hood for escape.

Rated working duration: 10 minute for ELSA-10-B and 15 minutes for ELSA-15-B

Rated working pressure: 200 bar.

The principle components are as follows:

- compressed air cylinder, 2l /3l, of steel or composite,
- regulator reducer and pressure gauge assembly,
- hood/breathing hose assembly,
- carrying satchel with harness strap.

2. APPLICATION/LIMITATION OF USE

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.

All EEBD training units shall be clearly marked.

3. DESIGN DRAWINGS AND SPECIFICATIONS

Cylinder Assembly 2/400 ELSA, no.024.211.00_Rev.C

Cylinder Assembly 3/600 ELSA, no.024.212.00_Rev.C

10 Min Bag for ELSA 2000, no.038.443.00_Rev.F

10 Min AS Bag for ELSA 2000, no.038.443.01_Rev.E

15 Min Bag for ELSA 2000, no.038.444.00_Rev.E

15 Min As Bag for ELSA 2000, no.038.444.01_Rev.E

Pin Strap Assembly for ELSA 2000, no.1027712_Rev.D

Hood for ELSA 2000, no.071.803.00_Rev.A

Reducer M18 & Hose ELSA 2000, no.1030588_Rev.K

Exh Valve for ELSA Dash, no.1032106_Rev.D

Cover for Sprint/dash, no.1032521_Rev.D

Valving & Charging Air Cylinders ELSA 2000 Manufacturing Method Hand Book, no.MS1020319_Rev.F

Reducer ELSA 2000 Manufacturing Method Hand Book, no.MS1030588_Rev.I

ELSA 15 Escape BA 2000 Manufacturing Method Hand Book, no.MS2009419_Rev.C

Mask for ELSA 2000, no.071-811-XX_Rev.C

Hood ELSA 2000, no.2022744_Rev.A

ELSA Marking, no.1027464_Rev.K

Manual, no.1035070_Rev.M

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Test report no.255/7174069 dated 2008-02-27 issued by BSI Product Services,

Test report no.255/7294665- issue 3 dated 2009-07-30 issued by BSI Product Services,

Test report no.255/7557487 dated 2010-09-17 issued by BSI Product Services,

Test report no.2380/7757272 dated 2012-03-05 issued by BSI Product Services,

Test report no.2421/7983889 dated 2013-05-21 issued by BSI,

Test report no.8885527- issue 2 dated 2018-04-16 issued by BSI and

Test report no.3060749 dated 2019-09-11 issued by BSI.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

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6. OTHER MATERIALS AND/OR COMPONENT

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7. PRODUCTION SURVEY REQUIREMENTS

Production tests are to be conducted in accordance with the applicable requirements of the IMO resolutions and applicable standards.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Detail User, Maintenance and Training instructions are to be provided with each product.

A set of manufacturer's instructions 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.

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 9, 10 and 15 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

xxxx/yy xxx - the number of the Notified Body undertaking surveillance module (2489 in case of CRS)
 yy - the last two digits of year mark affixed

10. OTHER

If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to being supplied to vessels to which the amended standards apply.

- END OF CERTIFICATE -

