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IMPORTANT NOTICE

1. The equipment should only be used for the purposes specified in this manual.
2. All individuals involved in the use of the equipment must read and understand the contents of this manual and have been trained by a Semcco LPS Ltd certificated trainer.
3. All individuals involved with the training of the end user or maintenance of this equipment must be authorised and certificated by Semcco LPS Ltd.
4. The warranties made by Semcco LPS Ltd with the regard to this product are void if the equipment is not used and serviced in accordance with the instructions in this manual.
5. The warranties and conditions of sale of Semcco LPS Ltd are not to be altered by the above recommendations.

INTENDED USE

EEBD is a short duration, oxygen breathing device, which is intended for a single emergency use, in areas of:

- smoke
- toxic contamination
- oxygen deficiency
- Potentially explosive atmospheres

EEBD is available in the following options;

- Marine 15 EEBD Orange Case
- Industrial 20 EEBD Orange Case

The units described have been designed and tested in accordance with EN 13794:2002, and ISO 23269-1:2008 where applicable, to demonstrate compliance with the essential safety requirements of the PERSONAL PROTECTIVE EQUIPMENT REGULATION (EU) 2016/425 and PPE Regulation (EU) 2016/425 as brought into UK Law and amended. The EEBD also meets the International Convention For The Safety Of Life At Sea, SOLAS 1974 for Emergency Escape Breathing Devices and DIRECTIVE 2014/90/EU MARINE EQUIPMENT and Merchant Shipping (Marine Equipment) Regulations SI 2016/1025, as amended by SI 2019/470 & MSN 1874 Amend 4.

Type examination performance by: BSI Group, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP(Notified Body Number 0086).
BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands. Notified body No. 2797.

PRECAUTIONS

- Due to the potential fire risk it is important to prevent the ingress of flammable substances such as petrol, grease or solvents into the device before and during operation.
- If the device is damaged there is a risk that flammable substances may be ignited if they come into contact with the oxygen producing chemical.
- Do not remove the device from the case until the equipment is required for use. Doing so may reduce the protection afforded by the device.

PRIOR TO USE & INSPECTION CHECKS

Check case to ensure:

- The case is not damaged.
- The anti-tamper label and seal are still intact.
- The unit is within the expiry date.
- The moisture indicator is blue and not pink in colour.
- **The equipment should not be used if these conditions are not met.**

OPENING DEVICE

EEBD ORANGE CASE

1. Pull on the yellow upper latch lever to remove the case upper lid and discard.
2. Remove the EEBD by pulling on the base of the breathing hose. This action automatically activates the oxygen generation into the breathing bag.

DONNING EEBD Marine 15 / Industrial 20

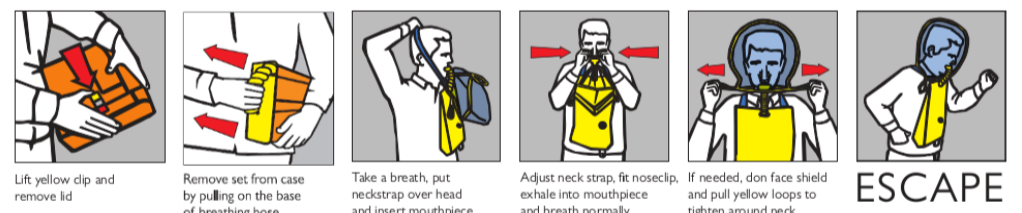
1. Take a breath.
2. Insert the yellow mouthpiece.
3. Fit the neck strap over your head and adjust as required.
4. Fit the yellow nose clip.
5. Exhale into the mouthpiece. Then breath normally.
6. If the face shield is required unwrap it and pull it over your head, pull the two cords to tighten the face shield around the neck. If the moisture inside the face shield distorts your vision, press it against your face to clear.
7. Make your escape.

NOTE:

- The action of removing the breathing device from the case automatically activates oxygen generation. The red sealing bung and cap are connected inside the case via a black lanyard, if for any reason the bungs stay attached to the device when it has been removed from the case they should be removed from the device manually before donning starts.
- **The correct positioning of the mouthpiece and noseclip is essential to prevent ingress of atmospheric contaminants.**
- **Always follow training procedures.**

USAGE PICTOGRAMS

EEBD MARINE & INDUSTRIAL



USE

IMPORTANT NOTES FOR USERS

- **Immediately the device is donned and a seal obtained activities should commence in a calm manner. Do not rush.**
- **Maintain a steady work rate to ensure regular breathing. Rapid breathing uses more oxygen.**
- **During use the starter and oxygen generators will increase in temperature and the air provided by this device will be warm and dry and slight odours or tastes may be detected. These are normal conditions and indicate the device is functioning correctly.**

AFTER USE

- Remove the EEBD immediately in a safe area.
- The device can be returned to Semmco LPS Ltd for disposal or rework, see section on 'RETURN CONDITIONS'.

STORAGE AND USAGE CONDITIONS

The device can be stored for up to 15 years. Official regulations on inspection must be observed. The following visual checks must be carried out on a regular basis.

- The case is not damaged.
- The anti-tamper label and seal are still intact.
- The unit is within the expiry date.
- The moisture indicator is blue and not pink in colour.
- **If these conditions are not met the unit should not be used and should be replaced with a new unit**

RETURN CONDITIONS

The protective device contains potassium superoxide (K₂O₂) therefore transportation hazard regulations apply when in transport. The devices can only be transported by road, rail or air cargo and should be returned in their original transportation packaging and marked with the appropriate hazard identification label. When returning damaged or used devices they must be sealed in a plastic bag prior to placing in the transportation packaging.

The devices can be returned for disposal or rework to the Reclamation Unit at the address below:

Semmco LPS Ltd
9 Kestrel Way,
Woking
Surrey
GU21 3BA
UK

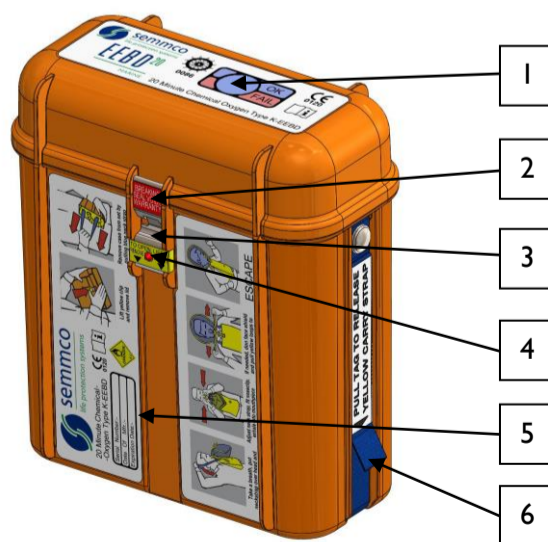
ORDERING INFORMATION

Description	Part No.
Marine 20 EEBD Orange Case	802.015.00
Industrial 20 EEBD Orange Case	802.015.10
EEBD – Training systems	on request
EEBD – Disposal or Rework	on request

Semmco LPS Ltd
9 Kestrel Way, Goldsworth Trading Estate
Woking
Surrey GU21 3BA
UK

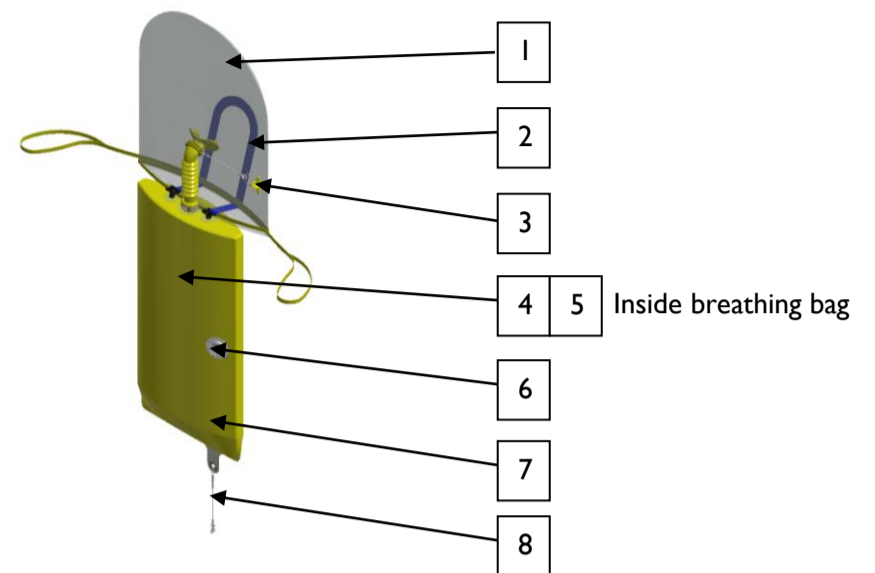
Tel: +44 (0) 1483 757200
Fax: +44 (0) 1483 740795
e-mail: saleslps@semmco.com
www.semmco.com

PRODUCT IDENTIFICATION – EEBD



KEY - EEBD IN CARRY CASE

- 1 MOISTURE INDICATOR
- 2 SECURITY LABEL
- 3 LATCH LEVER
- 4 PRESSURE EQUALISING PLUG
- 5 DATE AND SERIAL NUMBER LABEL
- 6 SHOULDER STRAP



KEY- EEBD REMOVED FROM CARRY CASE

- 1 FACE SHIELD
- 2 NECK STRAP
- 3 LANYARD NOSE CLIP & MOUTHPIECE
- 4 KO₂ OXYGEN GENERATOR
- 5 O₂ STARTER
- 6 RELIEF VALVE
- 7 BREATHING BAG
- 8 LANYARD STARTER
- 9 LANYARD PROTECTIVE BUNGS (WILL REMAIN IN THE CASE)

TECHNICAL DATA

• Temperature Inhaled gas 35L/min ISO23269-1	< 50°C
• Temperature Inhaled gas 35L/min EN13794	< 60°C
• Breathing Bag Volume	≥ 6 litre
• CO ₂ content (inhaled gas)	< 3 vol%
• Operating time according to ISO23269-1	15 minutes
• Operating time according to EN13794	20 minutes
• Operating time at rest to EN13794	60 minutes
• Weight with case (kg) approx	2
• Weight without case (kg) approx	1.3
• Case dimensions (mm) approx	210 x 230 x 100
• Temperature: Storage	-20 to +60°C
• Temperature: In Use	-6 to +50°C

Marine 15 EEBD Orange Case 802.015.10 – UKCA DECLARATION OF CONFORMITY

UKCA DECLARATION OF CONFORMITY

**Manufacturer: Semcco LPS Ltd
9 Kestrel Way Goldsworth Trading Estate
Woking Surrey GU21 3BA**

We declare under our sole responsibility that the PPE described below
Marine 15 EEBD Orange Case 802.015.00

1. Is in conformity with the Merchant Shipping (Marine Equipment) Regulations SI 2016/1025, as amended by SI 2019/470 & MSN 1874 Amend 4 and with the relevant requirements of the appropriate sections of the designated standards BS EN13794:2002, BS ISO23269-1:2008 for general, it is deemed to meet the basic safety and health requirements of the PPE Regulation. The Technical File is held at Semcco LPS Ltd.
2. The product as detailed above conforms to the type described in the UK Type Examination (Module B) Certificate Number: BSI/UK/3.41/749620 issued by BSI Group, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP Approved body No. 0086.
And manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) Certificate Number BSI/UK/PC/749616 BSI Group, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP. Approved body No. 0086.

Signed:  Date of Issue: May.2021.....
Stuart McOnie - General Manager, Authorised Signatory on behalf of Semcco LPS Ltd, Semcco Ltd

Issue: 01 Dated: May 2021
Semcco LPS Limited 9 Kestrel Way Woking Surrey GU21 3BA
Telephone: +44 (0) 1483 757200 Fax: +44 (0) 1483-740795
Email: saleslps@semcco.com

Industrial 20 EEBD Orange Case 802.015.10 – UKCA DECLARATION OF CONFORMITY

UKCA DECLARATION OF CONFORMITY


**Manufacturer: Semcco LPS Ltd
9 Kestrel Way Goldsworth Trading Estate
Woking Surrey GU21 3BA**

Declares under the sole responsibility of the manufacturer that the PPE described below:
Industrial 20 EEBD Orange Case 802.015.10

Is in conformity to a Technical Specification to satisfy Annex II of the PPE Regulation (EU) 2016/425 as brought into UK law and amended with the relevant requirements of the appropriate sections of the designated standards EN13794:2002, ISO23269-1:2008 to meet the essential health and safety requirements (Annex II) of the PPE Regulation. The Technical File is held at Semcco LPS Ltd.

The products as detailed above conforms to the type described in the UKCA Type Examination PPE (Module B) Certificate Number: UKCA 749585 issued by approval body BSI Group (AB0086), Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP.

And manufactured in accordance with Production Quality PPE (Module D) Certificate Number: GB19/963155 Industrial issued by Notified Body 0120: SGS United Kingdom Limited, Rossmore Business Park, Inward Way, Ellesmere Port, Cheshire, CH65 3EN.

Signed:  Date of Issue...May.2021.....
Stuart McOnie – General Manager, Authorised Signatory on behalf of Semcco LPS Ltd, Semcco Ltd

Issue: 01 Dated: May 2021
Semcco LPS Limited 9 Kestrel Way Woking Surrey GU21 3BA
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Email: saleslps@semcco.com

Marine 15 EEBD Orange Case 802.015.10 – EC DECLARATION OF CONFORMITY

EC DECLARATION OF CONFORMITY

**Manufacturer: Semcco LPS Ltd
9 Kestrel Way Goldsworth Trading Estate
Woking Surrey GU21 3BA**

We Declares under our sole responsibility that the PPE described below
Marine 15 EEBD Orange Case 802.015.00

1. Is in conformity with the Marine Equipment Directive 2014/90/EU including Regulation (EU) 2020/1170 and with the relevant requirements of the appropriate sections of the harmonized standards EN13794:2002, ISO23269-1:2008 for general, it is deemed to meet the basic safety and health requirements of the PPE Regulation. The Technical File is held at Semcco LPS Ltd.
2. The products as detailed above conforms to the type described in the EC Type Examination (Module B) Certificate Number: BSI/MED/3.41/754953 issued by BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands. Notified body No. 2797.
And manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) Certificate Number BSI/MED/PC/754954 issued by BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands. Notified body No. 2797.

Signed:  Date of Issue: July 2021.....
Stuart McOnie - General Manager, Authorised Signatory on behalf of Semcco LPS Ltd, Semcco Ltd

Issue: 01 Dated: July 2021
Semcco LPS Limited 9 Kestrel Way Woking Surrey GU21 3BA
Telephone: +44 (0) 1483 757200 Fax: +44 (0) 1483-740795
Email: saleslps@semcco.com

Industrial 20 EEBD Orange Case 802.015.10 – EU DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY


**Manufacturer: Semcco LPS Ltd
9 Kestrel Way Goldsworth Trading Estate
Woking Surrey GU21 3BA**

Declares under the sole responsibility of the manufacturer that the PPE described below:
Industrial 20 EEBD Orange Case 802.015.10

Is in conformity to a Technical Specification to satisfy Annex II of the PPE Regulation (EU) 2016/425 with the relevant requirements of the appropriate sections of the harmonized standards EN13794:2002, ISO23269-1:2008 to meet the essential health and safety requirements (Annex II) of the PPE Regulation. The Technical File is held at Semcco LPS Ltd.

The products as detailed above conforms to the type described in the EU Type Examination PPE (Module B) Certificate Number: CE 749582 issued by notified body BSI Group, Netherlands B.V. (NB 2797) John M. Keynesplein 9,1066 EP Amsterdam, Netherlands.

And manufactured in accordance with Production Quality Assurance PPE (Module D) Certificate Number: F119/963155 Industrial issued by Notified Body 0598: SGS FIMKO OY, P.O. Box 30 (Sarkiniementie 3), 00211 Helsinki, Finland.

Signed:  Date of Issue: May.2021.....
Stuart McOnie - General Manager, Authorised Signatory on behalf of Semcco LPS Ltd, Semcco Ltd

Issue: 01 Dated: May 2021
Semcco LPS Limited 9 Kestrel Way Woking Surrey GU21 3BA
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