

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

**This is to certify:****That the Emergency escape breathing devices (EEBD)**

with type designation(s)

**Dräger Saver CF(10), Saver CF(15) and Saver CF(15)CC**

Issued to

**Draeger Safety UK Limited  
Blyth, Northumberland, United Kingdom**

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

Regulation **(EU) 2019/1397,****item No. MED/3.41. SOLAS 74 as amended, Regulation II-2/13, FSS Code 3 and IMO  
MSC/Circ. 849**

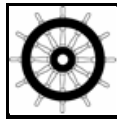
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-11-19.**Issued at **Hamburg** on **2019-11-20**

DNV GL local station:

**Newcastle-upon-Tyne**

Approval Engineer:

**Michael Oberländer**Notified Body  
No.: **0098**for **DNV GL SE****Gerhard Aulbert  
Head of Notified 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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. 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.



## Product description

The Saver CF(10), Saver CF(15) and Saver CF(15)CC is a self-contained, open-circuit emergency escape breathing apparatus with a hood for escape from hazardous environments.

It features automatic operation and constant air flow and can be equipped with cylinders which can provide either a 10 or 15 minute supply of air. The device is carried hands-free.

Main components of the apparatus:

- Carrying system with soft bag or hard case
- Air cylinder and valve assembly:
  - 2 litre aluminium for Saver CF(10) for a nominal duration of 10 minutes
  - 3 litre steel for Saver CF(15) or 3 litre carbon composite for Saver CF(15)CC for a nominal duration of 15 minutes
- Hood assembly with hose

All parts are of flame resistant materials.

For further information please see the listed documentation 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 personnel breathing protection during escape from a compartment that has a 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
- The weight of the Saver CF(15) with 3l steel cylinder exceeds 5 kg, which is not considered suitable according EN 1146:2005 Para.6.6 for carrying on the man for at least 8 hrs.

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 reports issued by DEKRA EXAM GmbH in Essen, Germany:

- 6679A/09 dated 2009-06-10,
- 7627A/12 dated 2012-07-09,
- 7627.1/12 dated 2012-07-09,
- 8673.1 A/16 dated 2016-04-05,
- 9161.1A/17 dated 2017-07-12,
- 9169.2/17 dated 2017-07-12
- 9278/18PSA Rev.1 dated 2018-03-26
- 9795.4/19 PSA, dated 2019-10-31
- 9795.3/19 PSA dated 2019-10-31

Drawings from manufacturer:

- Saver CF System Configuration, SE22020-07

Job Id: **344.1-009206-4**  
Certificate No: **MEDB000057Z**

- Escape Hood, 3350441-07
- Escape Hood, 3350450-07
- Escape Hood, 3703240-01
- Escape Hood Assembly, 3703259-00
- EN1146 Matrix Valved Cylinder 3355926 Rev.03
- Instructions for use 3359880
- Technical data sheet for Dräger Saver CF

### **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 Para.9 and EN 1146:2005 Para.8 and with name and address of manufacturer, type designation and the MED 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".