

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Emergency escape breathing devices (EEBD)

with type designation(s)

SPIROSCAPE HP 10 and SPIROSCAPE HP 15

Issued to

Interspiro AB
Täby, Sweden

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

Regulation **(EU) 2017/306,**

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

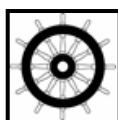
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-10-29.**

Issued at **Høvik** on **2017-10-30**

DNV GL local station:
Stockholm

Approval Engineer:
Tomasz Werchowicz



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Compressed air escape breathing apparatus with hood, SPIROSCAPE HP 10 and SPIROSCAPE HP 15" is a respiratory protective device for self-rescue, self-contained open-circuit compressed air, constant flow breathing apparatus incorporating a hood, having an autonomy of 10 or 15 minutes. It is carried hands-free.

Main components of the apparatus:

- carrying bag, where duration time is indicated, allowing to wear the device around the neck and protecting it from the environment,
- compressed air cylinder (2 dm³ @ 200 bar - class 10 min; 3 dm³ @ 200 bar - class 15 min),
- regulator including a cylinder valve which can be opened and closed manually,
- constant reading pressure gauge,
- hose leading the flow of air to the hood,
- hood with an outer hood, an inner hood, an inner mask with air supply tube and an autohatch/safety valve.

Mass of apparatus: 5.3 kg

Application/Limitation

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.

Rated working duration: 10 minutes (with 2 l bottle)

Rated working duration: 15 minutes (with 3 l bottle)

Each product is to be supplied with its manual for use and maintenance.

Type Examination documentation

Test reports:

- No. 6435 A/08 dated 25th June 2008, (DIN EN 1146:2005)
 - No. 7007 A/11 dated 23rd February 2011, (ISO 23269-1:2008)
- both from DEKRA EXAM GmbH, Essen, Germany.

Drawings:

- No. 95300 S dated 29th November 2007, (2 pages)
- No. 95370 N dated 19th February 2008, (2 pages)
- No. 95374 P dated 2nd October 2006, (1 page)
- No. 95381 K dated 19th December 2013, (1 page)
- No. 95387 D dated 11th December 2013, (1 page)
- No. 95390 H dated 11th January 2010, (3 pages)
- No. A 95370 dated 30th March 1998, (2 pages)
- No. 31947 dated 28th October 2011, (1 page)

all from manufacturer.

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 Ch. 9, EN 1146:2005 Ch.8 and with name and address of manufacturer, type designation, fire technical rating and the MED Mark of Conformity (see first page).

In addition each EEBD should be marked with "FOR ESCAPE ONLY".