



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No.	01-013320/019828
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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

OPEN CIRCUIT POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS, Type 2 Models: Propak-Sigma, Propak-i, Propak- i Duo, Propak-f, Propak-f Duo, Propak-fx, Propak-fx Duo
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NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2018/773)

MED/3.7 Self-contained compressed air operated breathing apparatus MED/7.1 Self-contained compressed air operated breathing apparatus for entry and work in gasfilled space
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MANUFACTURER:

SCOTT HEALTH & SAFETY Ltd Pimbo Road, West Pimbo Skelmersdale, Lancashire, WN8 9RA UNITED KINGDOM

REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2018/773)

SOLAS 74 as amended Reg. II-2/10, II-2/15 & X/3, IMO Res.MSC.98(73)-(FSS Code) 3, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.4(48)-(IBC Code) 14, IMO Res.MSC.5(48)-(IGC Code) 14, IMO MSC.1/Circ.1499. EN 136:1998 incl. AC:2003, EN 137:2006, ISO 23269-2:2011 and ISO 23269-3:2011

NOTICE:

- Further details of the product and conditions for certification are given overleaf.
- 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.
- 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.
- 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.
- 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, 2019-06-01**

Seal

Signature

Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

OPEN CIRCUIT POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS, Type 2

Models: Propak-Sigma, Propak-i, Propak-i Duo, Propak-f, Propak-f Duo, Propak-fx, Propak-fx Duo are self-contained breathing apparatus compatible to the bellow range of cylinders, face masks and with either analogue pressure indicator and whistle or DPG (Digital Pressure Gauge) and warning devices.

Models Propak-i Duo, Propak-f Duo and Propak-fx Duo are with twin-cylinder configuration.

ProPak-Sigma:

The back and harness comprising flame retardant aramid blend webbing and flame retardant back frame with FR rubber Boot.

ProPak-i and ProPak-i Duo:

The back and harness comprising flame retardant aramid blend webbing and flame retardant back frame with FR rubber Boot. Flame retardant Proban covered flame retardant waistbelt.

ProPak-f and ProPak-f Duo:

The back and harness comprising flame retardant aramid blend webbing and flame retardant back frame with FR rubber Boot. Flame retardant Proban covered flame retardant waist belt and upper shoulder straps to give additional padding .

ProPak-fx and ProPak-fx Duo:

The back and harness comprising flame retardant aramid blend webbing and flame retardant back frame with FR rubber Boot. Flame retardant Proban covered flame retardant waistbelt and upper shoulder straps to give additional padding .

Compatible Cylinders:

CYL-FWC-1300 (4,7 litre/300 bar/composite)	CYL-1200 (6 litre/200 bar/steel)
CYL-BFK-1640 (6 litre/300 bar/composite)	CYL-1640 (6 litre/300 bar/steel)
CYL-FWC-1640 (6 litre/300 bar/composite)	CYL-1800 (9 litre/200 bar/steel)
CYL-FWC-1800 (9 litre/200 bar/composite)	
CYL-FWC-1860 (6,8 litre/300 bar/composite)	
CYL-FWC-2460 (9 litre/300 bar/composite)	

Note: For models Propak-i Duo, Propak-f Duo and Propak-fx Duo, only cylinders CYL-FWC-1640, CYL-FWC-1800 and CYL-FWC-1860 are suitable.

Compatible Cylinders Valves:

Ventil K36 seies (200/300 bar M18 bottom opening cylinder valve)
Ventil K44 series (200/300 bar M18 bottom opening cylinder valve available with or without burst disc)
Ventil K632 type (CV5) (200/300 bar M18 right angle cylinder valve available with our without burst disc; with or without pressure gauge)
Ventil / Scott (CV4) (200/300 bar M18 cylinder valve available with or without burst disc; with or without pressure gauge; with or without burst disc and pressure gauge)
Scott (CV6) (300 bar M18 bottom opening cylinder valve)

Note: Ventil valves approved with standard rust tube or with excess flow valve.
Scott (CV6) valve approved with standard rust tube only.

Compatible facemasks:

Vision 3, FRR Promask & Vision AMS

2. APPLICATION/LIMITATION OF USE

Approved for use as self-contained compressed air breathing apparatus of fire-fighter's outfit and as self-contained compressed air operated breathing apparatus for entry and work in gasfilled space.

The device was also assessed against the requirements of IMO MSC.1/Circ.1499, FSS Code chapter 3, paragraph 2.1.2.2 relating to a visual device and audible alarm that will alert the user before the air in the cylinder has been reduced to no less than 200 litres. The device was confirmed as complying with a marked sector on the pressure gauge and audible whistle in the pneumatic system.

3. DESIGN DRAWINGS AND SPECIFICATIONS

Propak-Sigma General Assembly Drawing, no. 2027150_rev A
Propak-i General Assembly Drawing, no. 2027166_rev A
Propak-i Duo General Assembly Drawing, no. 2027706_rev A
Propak-f General Assembly Drawing, no. 2027182_rev A
Propak-f Duo General Assembly Drawing, no. 2027705_rev A
Propak-fx General Assembly Drawing, no. 2027195_rev A
Propak-fx Duo General Assembly Drawing, no. 2027704_rev A
Propak-Sigma Reducer General Assembly Drawing, no. 2028237_rev A
Propak-i, -f, - fx Reducer General Assembly Drawing, no. 2026794_rev A
Manifold Assembly 200BAR CTR-DUO, no. MAN-200_rev G
Manifold Assembly 300BAR CTR-DUO, no. MAN-300_rev G
Airline Attachment Assembly Drawing, no. 2020659_rev A
Demand Valve & Hose Contour, no. 1029079_rev B
Whistle & Gauge Drawing, no. 035.119.10_rev A
Split Demand Valve & Hose Contour, no. 060.300.00-02/04-06_rev A
CE label PROPAK-SIGMA & I, no. 2026268_rev D
CE label PROPAK-f & fx, no. 2031553_rev F
Manuals: PROPAK I/F/FX no. 2026146_rev G, PROPAK DUO (V2), no. 2028635_rev F and PROPAK SIGMA, no. 2027151_rev E

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Test report no.255/7912071 dated 2013-07-30 issued by BSI Product Services,
Test report no.255/8109836 dated 2014-01-30 issued by BSI Product Services,
Test report no.2400/7912044 dated 2014-03-17 issued by BSI Product Services,
Test report no. 9650/18 PSA dated 2018-11-09 issued by DEKRA EXAM GmbH,
Test report no. 8214273 dated 2017-05-22 issued by BSI Product Services,
Test report no. 8216614 dated 2017-05-22 issued by BSI Product Services and
Test report no. 8776231 dated 2017-09-28 issued by BSI Product Services.

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

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6. OTHER MATERIALS AND/OR COMPONENT

All air cylinders for breathing apparatus shall be interchangeable.
The compressed air cylinder markings shall include the charging pressure, capacity and the stamp of the authorised inspection body.

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



xxxx/yy

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 - 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 -