



CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Draeger Safety UK Limited
Address	Ullswater Close Blyth Riverside Business Park Blyth Northumberland, NE24 4RG United Kingdom (UK)
Type	SELF CONTAINED BREATHING APPARATUS FOR EMERGENCY ESCAPE PURPOSES
Description	Emergency Escape Breathing Apparatus – Type: "Dräger Saver CF(10) and CF(15)"
Specified Standard	European Standards EN 1146:2005

**The attached Design Appraisal Document forms part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.**

Date of issue	21 July 2009	Expiry date	20 July 2014
Certificate No.	SAS F090239	Signed	 
Sheet No	1 of 3	Name	M. Farrier Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

DESIGN APPRAISAL DOCUMENT

Date 29 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F090239

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

DMT- Gesellschaft fur Forschungs Und Materialprufungsanstalt-Baden-Wurttemberg, Essen, Germany, Fire Test Report No. 4221/00 dated 2 August 2000.

Institute of Occupational Medicine, 8 Roxburgh Place Edinburgh, Test report No. AP/130/379 (a) and AP/130/379(b), dated 26 November 1999.

INSPEC, Manchester, United Kingdom, Test report No. 01.02..20 dated 23 February 2001, 01.02.08 dated 12 February 2000.

Bauqualitat TUV Nord GmbH, Brandversuchshaus, Hamburg, Germany, Test Report No. 1811DG00590 dated 29 December 1999.

Dekra Exam GmbH, Test Report No. 6679A/09, dated 10 June 2009.

Manufacturers drawing No. 3354581 Rev 03; dated June 2009 and matrix SE 22020 Rev 00 dated May 2009

Dräger Technical file section 6.1, issue 3, dated 29 June 2009.

CONDITIONS OF CERTIFICATION

1. Set to be assembled as per manufacturers drawing 3354581 and matrix SE22020.
2. Air cylinders to be in accordance with a national standard.
3. Arrangements to be in accordance with IMO MSC/Circ.849
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that the items are of the same standard as the approved prototype.

DESIGN APPRAISAL DOCUMENT

Date 29 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F090239

PLACE OF PRODUCTION

Draeger Safety UK Limited
Ullswater Close
Blyth Riverside Business Park,
Blyth
Northumberland, NE 24 4RG
United Kingdom




Martin Farrier
Lead Specialist
Statutory Fire and Safety
London Design Support Services
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC and 2009/26/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Draeger Safety UK Limited

Address Ullswater Close
Blyth Riverside Business Park
Blyth
Northumberland, NE24 4RG
United Kingdom (UK)

Annex A1 Item A.1/3.41 EMERGENCY ESCAPE BREATHING DEVICES (EEBD)

Product Type SELF CONTAINED BREATHING APPARATUS FOR EMERGENCY ESCAPE PURPOSES

Product Description Emergency Escape Breathing Apparatus – Type: "Dräger Saver CF(10) and CF(15)"

Specified Standard European Standards EN 1146:2005

The attached Design Appraisal Document (schedule) forms part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 21 July 2009 Expiry date 20 July 2014

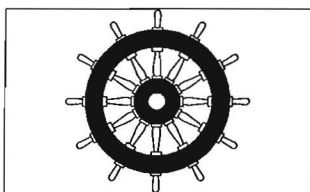
Certificate No. MED 0950189 Signed



Sheet No 1 of 3 Name M. Farrier
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.
yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

"Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.
Registration number 4929226.
Registered office 71 Fenchurch Street, London EC3M 4BS, England

0038/yy



Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2940 Fax 020 7397 4246

Email dcg-stat@lr.org

Page 2 of 3
Document number MED 0950189
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 30 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0950189

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

DMT- Gesellschaft fur Forschungs Und Materialprufungsanstalt-Baden-Wurttemberg, Essen, Germany, Fire Test Report No. 4221/00 dated 2 August 2000.

Institute of Occupational Medicine, 8 Roxburgh Place Edinburgh, Test report No. AP/130/379 (a) and AP/130/379(b), dated 26 November 1999.

INSPEC, Manchester, United Kingdom, Test report No. 01.02..20 dated 23 February 2001, 01.02.08 dated 12 February 2000.

Bauqualitat TUV Nord Gmbh, Brandversuchshaus, Hamburg, Germany, Test Report No. 1811DG00590 dated 29 December 1999.

DEKRA EXAM GmbH, Test Report No. 6679A/09, dated 10 June 2009.

Manufacturers drawing No. 3354581 Rev 03; dated June 2009 and matrix SE22020 Rev 00 dated May 2009

Dräger Technical file section 6.1, issue 3, dated 29 June 2009.

CONDITIONS OF CERTIFICATION

1. Set to be assembled as per manufacturers drawing 3354581 and matrix SE22020
2. Air cylinders to be in accordance with a national standard.
3. Arrangements to be in accordance with IMO MSC/Circ.849
4. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E), a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
5. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

NOTE

The testing standards listed in Annex A.1/3.41 are all self contained test standards for various types of devices and only one test standard has been applied



Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

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Document number
MED 0950189

Issue number
1

DESIGN APPRAISAL DOCUMENT

Date
30 July 2009

Quote this reference on all future communications
LDSS/TA/FITA/MF

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0950189

PLACE OF PRODUCTION

Draeger Safety UK Limited
Ullswater Close
Blyth Riverside Business Park
Blyth
Northumberland, NE 24 4RG
United Kingdom

Martin Farrier
Lead Specialist
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Bescheinigung Nr. / Certificate no.: 6679 A/09/20 PSA

über die EG-Baumusterprüfung nach der Richtlinie des Rates vom 21. Dezember 1989 zur Angleichung der Rechtsvorschriften der Mitgliedsstaaten für persönliche Schutzausrüstungen (89/686/EWG).
for the EC-type examination in accordance with the Council Directive of 21 December 1989 on the approximation of the laws of the Member States relating to Personal Protective Equipment (89/686/EEC).

1. Kennzeichnung / Identification

▪ **Bezeichnung des geprüften Erzeugnisses / Type of product:**

Behältergeräte mit Druckluft mit Haube für Selbstrettung / *Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape*

▪ **DIN/EN Bezeichnung / DIN/EN designation:**

Behältergeräte mit Druckluft mit Haube für Selbstrettung / *Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape*

▪ **Firmenseitige Bezeichnung / Company's designation:**

Behältergeräte mit Druckluft, Baureihe /
Self-contained open-circuit compressed air breathing apparatus of series

Saver CF

gemäß Anhang / *in accordance with appendix*

▪ **Hersteller / Manufacturer:**

Dräger Safety AG & Co. KGaA, Lübeck
Dräger Safety UK Limited, Blyth, GB

▪ **Auftraggeber (Hersteller im Sinne von 89/686/EWG) / Applicant (manufacturer in the meaning of 89/686/EWG):**

Dräger Safety UK Limited, Blyth, GB

2. Prüfung / Testing

Die Prüfungen wurden in Übereinstimmung mit EN 1146 :2005 durchgeführt. /

The tests were performed in accordance with EN 1146:2005.

3. Konformitätsbewertung / Conformity Assessment

Die Behältergeräte mit Druckluft mit Haube für Selbstrettung der Baureihe /

The self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape of series

Saver CF

entsprechen den Anforderungen der in Ziffer 2 „Prüfung“ genannten harmonisierten Europäischen Norm(en) und damit den Anforderungen der Richtlinie 89/686/EWG /

satisfy the provisions of the harmonised European Standard(s) named in paragraph 2 “Testing” and thus the provisions of Directive 89/686/EEC.

4. CE-Kennzeichnung / CE marking

Der Antragsteller ist verpflichtet, an den mit den geprüften Baumustern übereinstimmenden Erzeugnissen die CE-Kennzeichnung wie nachstehend aufgeführt anzubringen: /

The applicant is responsible to affix the CE marking to all the products in accordance with the specimens tested as follows:

CE xxxx

*(wobei xxxx = Kennnummer der notifizierten Stelle) /
(whereas: xxxx = registration-no. of notified body).*

Die CE-Kennzeichnung muss auf jeder PSA und ihrer Verpackung sichtbar, lesbar und unauslöschbar angebracht werden (siehe beigelegtes “Muster der CE-Kennzeichnung”) / *The CE marking shall be affixed to each PPE and its packaging so as to be visible, readable and indelible (see enclosed sample “Muster der CE-Kennzeichnung”).*

5. Mitgeltende Unterlagen / *Affiliated documents*

- Anhang zur Bescheinigung Nr. / *Appendix to certificate no.:*
6679 A/09/20 PSA
- Die im Anhang aufgeführten Prüfberichte des von der Zentralstelle der Länder für Sicherheitstechnik (ZLS) akkreditierten DEKRA EXAM-Prüflaboratoriums für Atemschutz einschließlich zugehöriger Zeichnungsunterlagen und Gebrauchsanleitungen.

The Test reports of the DEKRA EXAM-Laboratory for Respiratory Protection accredited by Zentralstelle der Länder für Sicherheitstechnik (ZLS), listed in the appendix, including the respective technical files and information notes.

Diese Bescheinigung über die Baumusterprüfung darf nur unverändert weiterverbreitet werden; die auszugsweise Wiedergabe, Vervielfältigung und Verbreitung dieser Bescheinigung sind nicht zulässig. Texte und Werbeschriften dürfen nicht im Widerspruch zur Bescheinigung über die EG-Baumusterprüfung stehen. Gemäß Artikel 11 der Richtlinie 89/686/EWG ist die Produktion der unter Punkt 1 „Kennzeichnung“ beschriebenen PSA durch die notifizierte Stelle regelmäßig zu überwachen, deren Kenn-Nr. hinter dem CE-Zeichen angebracht wird.

Die Geltungsdauer dieser Bescheinigung beträgt 5 Jahre ab dem Ausstellungsdatum, wenn die vorstehend geforderte Überwachung nicht durch die EXAM-Zertifizierungsstelle erfolgt.

Juristisch bindend ist ausschließlich die deutsche Fassung dieses Zertifikates.

This EC-type examination certificate may only be published unchanged; publication, duplication and circulation of parts of this certificate are not allowed. Texts and advertisement materials must not be in contradiction with this EC-type examination certificate.

The PPE identified in paragraph 1 "Identification" is subject to periodic surveillance according to article 11 of Directive 89/686/EEC by this Notified Body whose registration-no. is affixed to the CE-mark.

This certificate is valid for 5 years from the date of issue provided that the before addressed surveillance is not prepared by EXAM Certification Body.

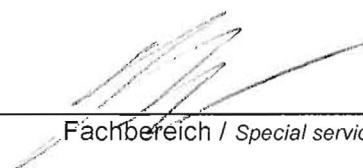
We confirm the correctness of the translation from the German original. In the case of arbitration only the German wording shall be valid and binding.

Bochum, den 10.06.2009

DEKRA EXAM GmbH



Zertifizierungsstelle / *Certification body*



Fachbereich / *Special services unit*



DEKRA EXAM GmbH

Zertifizierungsstelle / *Certification Body*

Anhang/Appendix (Stand/as of: 10. Juni 2009)
zur Bescheinigung/to certificate
Nr./no.: 6679 A/09/20 PSA vom/of 10. Juni 2009

für die Firma/for the company
Dräger Safety AG & Co. KGaA, Lübeck

Liste der zertifizierten Behältergeräte mit Druckluft mit Haube für
Selbstrettung der Baureihe
List of the certified self-contained open-circuit compressed air breathing apparatus
incorporating a hood for escape of series
Saver CF

Dieser Anhang besteht aus den Anlagen:/This appendix consist of the following annexes:

- A Tragesystem / Tasche / *Carrying System / Bag*
- B Atemanschlüsse / *Facepieces*
- C Atemluftvorrat / *breathing air reservoir*
- D Zubehör / *accessories*

Die in den vorstehenden Anlagen aufgeführten Baugruppen sind gemäß der Matrix in Anhang A miteinander kombinierbar.

The assemblies, listed in the headed annexes, are combinable pursuant to the matrix in Annex A

Bochum, den 10. Juni 2009

DEKRA EXAM GmbH

Zertifizierungsstelle / *Certification body*

Fachbereich / *Special services unit*



DEKRA EXAM GmbH

Zertifizierungsstelle / *Certification Body*

**Anlage/Annex A (Stand/as of: 10. Juni 2009)
zur Bescheinigung Nr./to certificate no.:
6679 A/09/20 PSA vom/as of 10. Juni 2009**

**für die Firma/for the company
Dräger safety AG & Co. KGaA, Lübeck**

**Tragesystem / Tasche und zugelassene Kombinationsmöglichkeiten
*Carrying System / bag and certified possibilities of combination***

- A1 Saver CF 10 Bag (Mat.-Nr. 3350512)**
- Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Documents also valid: Report no.

- A2 Saver CF 15 Bag (Mat.-Nr. 3350519)**
- Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Documents also valid: Report no.

- A3 Saver CF 10 Antistatic Bag (Mat.-Nr. 3355423)**
- Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Documents also valid: Report no.

- A4 Saver CF 15 Antistatic Bag (Mat.-Nr. 3350441)**
- Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Documents also valid: Report no.

Tragesystem	Atemanschluss (Anhang B1)	Atemluftvorrat (Anhang C1)	Atemluftvorrat (Anhang C2)	Zubehör (Anhang D)
A1	X	X	-	X
A2	X	-	X	X
A3	X	X	-	X
A4	X	-	X	X

X zulässige Kombinationsmöglichkeit

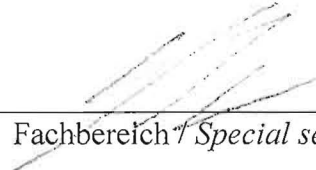
Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Document also valid: test report no.

Bochum, den 10. Juni 2009

DEKRA EXAM GmbH



Zertifizierungsstelle / *Certification body*



Fachbereich / *Special services unit*



DEKRA EXAM GmbH

Zertifizierungsstelle / Certification Body

**Anlage/Annex B (Stand/as of: 10. Juni 2009)
zur Bescheinigung Nr./to certificate no.:
6679 A/09/20 PSA vom/as of 10. Juni 2009**

**für die Firma/for the company
Dräger safety AG & Co. KGaA, Lübeck**

**Atemanschluss
Facepiece**

B1 Saver Hood Assembly with Hose (Mat.-Nr. 3350441)
Mitgeltende Unterlage: Prüfbericht Nr. 6678 A/09
Document also valid: test report no.

Bochum, den 10. Juni 2009

DEKRA EXAM GmbH

Zertifizierungsstelle / Certification body

Fachbereich / Special services unit

DEKRA EXAM GmbH

Zertifizierungsstelle / *Certification Body*

Anlage/*Annex C* (Stand/*as of: 10. Juni 2009*)
zur Bescheinigung Nr./*to certificate no.:*
6679 A/09/20 PSA vom/*as of 10. Juni 2009*

für die Firma/*for the company*
Dräger safety AG & Co. KGaA, Lübeck

Atemluftvorrat *Breathing air reservoir*

C1 200 bar 2,0 l (10 min Cylinder) and valve assembly (Mat.-Nr. 3390255)

Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Document also valid: test report no.

C2 200 bar 3,0 l (15 min Cylinder) and valve assembly (Mat.-Nr. 3359026)

Mitgeltende Unterlage: Prüfbericht Nr. 6679 A/09
Document also valid: test report no.

Bochum, den 10. Juni 2009

DEKRA EXAM GmbH



Zertifizierungsstelle / *Certification body*



Fachbereich / *Special services unit*



DEKRA EXAM GmbH

Zertifizierungsstelle / Certification Body

**Anlage/Annex D (Stand/as of: 10. Juni 2009)
zur Bescheinigung Nr./to certificate no.:
6679 A/09/20 PSA vom/of 10. Juni 2009**

**für die Firma/for the company
Dräger Safety AG & Co. KGaA, Lübeck**

**Zubehör
accessories**

D1 Zusätzlicher Hüftgurt / accessory waist belt (Mat.-Nr. 3350396)

Mitgeltende Unterlage: Prüfbericht Nr. 6678 A/09
Document also valid: test report no.

Bochum, den 10. Juni 2009

DEKRA EXAM GmbH

Zertifizierungsstelle / Certification body

Fachbereich / Special services unit

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC and 2009/26/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Draeger Safety UK Limited

Address Ullswater Close
Blyth Riverside Business Park
Blyth
Northumberland, NE24 4RG
United Kingdom (UK)

Annex A1 Item A.1/3.7 SELF-CONTAINED COMPRESSED AIR-OPERATED BREATHING APPARATUS

Product Type COMPRESSED AIR OPEN CIRCUIT BREATHING APPARATUS

Description Compressed Air Open Circuit Breathing Apparatus – Type: "Dräger PA94 Plus, PA94 Plus Basic, PA94 Plus EL, PA91 Plus, PAS Marine and PAS Standard"

Specified Standard European Standard EN 137:2006 (Type 2),
EN 136:1998 as amended by AC (1999) and AC (2003)

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 21 July 2009 Expiry date 20 July 2014

Certificate No. MED 0950187

Signed



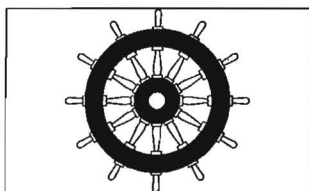
Sheet No 1 of 3

Name

M. Farrier
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.
yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

"Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.
Registration number 4929226.
Registered office 71 Fenchurch Street, London EC3M 4BS, England

Page	2 of 3
Document number	MED 0950187
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
30 July 2009	LDSS/TA/FITA/MF

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0950187

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

DMT- Gesellschaft fur Forschungs Und Materialprufungsanstalt-Baden-Wurttemberg, Stuttgart, Germany, Fire Test Report No. 1971.1A/96, dated 01 March 1996, 2712A/97, dated 08 August 1997, 1970.1/A, dated 01 March 1996, 1972.1 A/96, dated 01 March 1996, 374A/93, dated 08 March 1993, 701 A/93 dated 05 March 1993, 4020/00, dated 15 March 2000, 3240, dated 10 December 1999, 4020.1/00, dated 15 March 2000, 3240.1/99, dated 10 December 1999, 4021/00 dated 15 March 2000, 3241/99 dated 10 December 1999, 4021.1/00, dated 15 March 2000, 3241.01/99, dated 10 December 1999, 4019/00, dated 15 March 2000, 3239/99 dated 28 September 1999, 4019.1/00 dated 15 March 2000, 3239.01/99 dated 28 September 1999, 3243/99 dated 10 December 1999, 3243.01/99 dated 10 December 1999, 3240/99 dated 10 December 1999, 3240.01/99 dated 10 December 1999, 3244/99 dated 10 December 1999, 3244.01/99 dated 10 December 1999, 4004/99 dated 10 December 1999, 4577/01 dated 28 August 2001, 4465/01 dated 29 March 2001, 4458/01 dated 21 March 2001, 4760/02 dated 28 February 2002, 4759/02 dated 27 February 2002, 3241/99 dated 10 December 1999, 3241.01/99 dated 10 December 1999, 3239/99 dated 28 September 1999, 3239.01/99 dated 28 September 2000, 4171 A/00/90 PSA dated 30 May 2000, 4173 A/00/88 PSA dated 30 May 2000, 4172 A/00/89 PSA dated 30 May 2000, 4175 A/00/89 dated 30 May 2000, 4174 A/00/91 PSA dated 30 May 2000 and 4176 A/00/93 PSA dated 30 May 2000.

907/A /93/ 94 PSA, dated 3 August 1993, 3275A/98/138 PSA, dated 26 October 1998, 3699A/99, dated 21 May 1999, 3699.01A/99, dated 21 May 1999, 3698A/99, dated 21 May 1999, 3698.01/99, dated 21 May 1999, 3663A/99, dated 21 May 1999, 3663.01A/99, dated 21 May 1999, 376A/93, dated 9 May 1999, 370A/93, dated 19 July 1993, 698A/93, dated 8 March 1993, 4394/01, dated 30 June 2001, 4667A/01, dated 26 November 2001,

Institute of Occupational Medicine, 8 Roxburgh Place Edinburgh, Test report No. AP/130/498b, dated 16 November 2001, AP/530/193 dated 15 January 1996, AP/530/193 dated 15 January 1996, AP/530/239 dated 30 December, AP/130/498b dated 16 November 2001 and 1996 and AP/530/317 dated 4 February 1999.

SGS report No.1523-4 and 20347, dated 3 April 1998, 22643/EMC/JM/00, dated 5 March 2001 and 20347 dated 3 April 2004.

DEKRA EXAM GmbH Test Reports, 6704A/09 dated 19 June 2009, 6265A/07 dated 5 February 2008, 6265.1A/07 dated 22 October 2008, 6462A/08 dated 12 September 2008 and 6684A/09 dated 3 July 2009.

Manufacturers drawing No. 3357592 Rev 03 dated 24 June 2009, 3357594 Rev 02 dated 18 July 2009, 3354395 Rev 1 dated 3 November 2004 and 3356789 Rev 03 dated 18 May 2009.

Dräger Technical file section 5.4 issue 3 and 5.5 issue 4 dated 29 June 2009.

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Document number	MED 0950187
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date 30 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0950187

CONDITIONS OF CERTIFICATION

1. Set to be assembled as per manufacturer's drawings, 3357594, 3354395 and 3356789.
2. Air cylinders to be designed and manufactured in accordance with a national standard and have at least 1200 litres capacity.
3. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E), or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
4. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

PLACE OF PRODUCTION

Draeger Safety UK Limited
Ullswater Close
Blyth Riverside Business Park
Blyth
Northumberland, NE 24 4RG
United Kingdom

Martin Farrier
Lead Specialist
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Draeger Safety UK Limited
Address	Ullswater Close Blyth Riverside Business Park Blyth Northumberland, NE24 4RG United Kingdom (UK)
Type	COMPRESSED AIR OPEN CIRCUIT BREATHING APPARATUS
Description	Compressed Air Open Circuit Breathing Apparatus – Type: "Dräger PA94 Plus, PA94 Plus Basic, PA94 Plus EL, PA91 Plus, PAS Marine and PAS Standard"
Specified Standard	European Standard EN 137:2006 (Type 2), EN 136:1998 as amended by AC (1999) and AC (2003)

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 21 July 2009 Expiry date 20 July 2014

Certificate No. SAS F090237

Signed



Sheet No 1 of 2

Name

M. Farrier
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

DESIGN APPRAISAL DOCUMENT

Date 30 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F090237

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

DMT- Gesellschaft für Forschungs Und Materialprüfungsanstalt-Baden-Württemberg, Stuttgart, Germany, Fire Test Report No. 1971.1A/96, dated 01 March 1996, 2712A/97, dated 08 August 1997, 1970.1/A, dated 01 March 1996, 1972.1 A/96, dated 01 March 1996, 374A/93, dated 08 March 1993, 701 A/93 dated 05 March 1993, 4020/00, dated 15 March 2000, 3240, dated 10 December 1999, 4020.1/00, dated 15 March 2000, 3240.1/99, dated 10 December 1999, 4021/00 dated 15 March 2000, 3241/99 dated 10 December 1999, 4021.1/00, dated 15 March 2000, 3241.01/99, dated 10 December 1999, 4019/00, dated 15 March 2000, 3239/99 dated 28 September 1999, 4019.1/00 dated 15 March 2000, 3239.01/99 dated 28 September 1999, 3243/99 dated 10 December 1999, 3243.01/99 dated 10 December 1999, 3240/99 dated 10 December 1999, 3240.01/99 dated 10 December 1999, 3244/99 dated 10 December 1999, 3244.01/99 dated 10 December 1999, 4004/99 dated 10 December 1999, 4577/01 dated 28 August 2001, 4465/01 dated 29 March 2001, 4458/01 dated 21 March 2001, 4760/02 dated 28 February 2002, 4759/02 dated 27 February 2002, 3241/99 dated 10 December 1999, 3241.01/99 dated 10 December 1999, 3239/99 dated 28 September 1999, 3239.01/99 dated 28 September 2000, 4171 A/00/90 PSA dated 30 May 2000, 4173 A/00/88 PSA dated 30 May 2000, 4172 A/00/89 PSA dated 30 May 2000, 4175 A/00/89 dated 30 May 2000, 4174 A/00/91 PSA dated 30 May 2000 and 4176 A/00/93 PSA dated 30 May 2000.

907/A /93/ 94 PSA, dated 3 August 1993, 3275A/98/138 PSA, dated 26 October 1998, 3699A/99, dated 21 May 1999, 3699.01A/99, dated 21 May 1999, 3698A/99, dated 21 May 1999, 3698.01/99, dated 21 May 1999, 3663A/99, dated 21 May 1999, 3663.01A/99, dated 21 May 1999, 376A/93, dated 9 May 1999, 370A/93, dated 19 July 1993, 698A/93, dated 8 March 1993, 4394/01, dated 30 June 2001, 4667A/01, dated 26 November 2001,

Institute of Occupational Medicine, 8 Roxburgh Place Edinburgh, Test report No. AP/130/498b, dated 16 November 2001, AP/530/193 dated 15 January 1996, AP/530/193 dated 15 January 1996, AP/530/239 dated 30 December, AP/130/498b dated 16 November 2001 and 1996 and AP/530/317 dated 4 February 1999.

SGS report No.1523-4 and 20347, dated 3 April 1998, 22643/EMC/JM/00, dated 5 March 2001 and 20347 dated 3 April 2004.

DEKRA EXAM GmbH Test Reports, 6704A/09 dated 19 June 2009, 6265A/07 dated 5 February 2008, 6265.1A/07 dated 22 October 2008, 6462A/08 dated 12 September 2008 and 6684A/09 dated 3 July 2009.

Manufacturers drawing No. 3357592 Rev 03 dated 24 June 2009, 3357594 Rev 02 dated 18 July 2009, 3354395 Rev 1 dated 3 November 2004 and 3356789 Rev 03 dated 18 May 2009.

Dräger Technical file section 5.4 issue 3 and 5.5 issue 4 dated 29 June 2009.

DESIGN APPRAISAL DOCUMENT

Date 30 July 2009	Quote this reference on all future communications LDSS/TA/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F090237

CONDITIONS OF CERTIFICATION

1. Set to be assembled as per manufacturer's drawings, 3357594, 3354395 and 3356789.
2. Air cylinders to be designed and manufactured in accordance with a national standard and have at least 1200 litres capacity.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that the items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

Draeger Safety UK Limited
Ullswater Close
Blyth Riverside Business Park
Blyth
Northumberland, NE 24 4RG
United Kingdom




Martin Farrier
Lead Specialist
Statutory Fire and Safety
London Design Support Services
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).