

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, 2009/26/EC, 2010/68/EU, 2011/75/EU and 2012/32/EU 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 PSS 5000 Series"
Specified Standard	EN 136 (1998) including AC (1999) and AC (2003), EN 137 (2006). ISO 23269-3 (2011), when fitted with a Safety Line/Pouch Kit.

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 13 February 2014 Expiry date 12 February 2019

Certificate No. MED 1450031

Signed



Sheet No 1 of 3

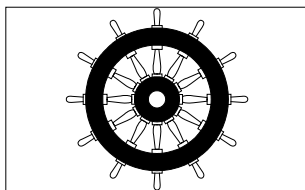
Name

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 Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A subsidiary of Lloyd's Register Group Limited.



Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 2 of 3
Document number MED 1450031
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 13 February 2014	Quote this reference on all future communications MTES/SFS/TA/MF/WP16696268
--------------------------	--

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1450031

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 Materialprüfungsanstalt-Baden-Wurttemberg, Stuttgart, Germany, Test Report Nos. 3241/99 dated 10 December 1999, 3241.01/99, dated 10 December 1999, 4019/00, dated 15 March 2000, 3239/99 dated 28 September 1999, 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, 4465/01 dated 29 March 2001, 4458/01 dated 21 March 2001, 4760/02 dated 28 February 2002, 3241/99 dated 10 December 1999 and 3241.01/99 dated 10 December 1999.

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

DEKRA EXAM GmbH, Bochum, Germany, Test Report Nos. 6265A/07 dated 5 February 2008, 6265.1A/07 dated 22 October 2008, 6462A/08 dated 12 September 2008, 6684A/09 dated 3 July 2009, 6760 A/09 dated 1 October 2009, 6701 A/09 dated 1 October 2009, 6713 A/09 dated 1 October 2009, 6826A/10 dated 17 May 2010 and 7070/10 dated 23 July 2010.

EXAM BBG Prüf-und Zertifizier GmbH, Essen, Germany, Test Report Nos. 5996A-06 dated 20 December 2006, 5997-06 dated 20 December 2006, 6112A/06 dated 21 December 2006, 5854A/06 dated 21 December 2006.

DEKRA EXAM GmbH, Prüflaboratorium fur Atemschutz, Essen, Germany, Test Report Nos. 7920/13 and 7946/13 both dated 28 November 2013, and a Letter Statement dated 6 August 2013 for compliance with FSS Code Amendments in IMO Resolution MSC.339 (91).

Manufacturers drawing No. 3358374 Rev 6 dated 22 July 2010 and No. SE22044 Rev 0 dated 25 March 2010.

CONDITIONS OF CERTIFICATION

1. Set to be assembled as per manufacturer's drawing, 3358374 Rev 20 and SE22044 Rev 0.
2. Air cylinders to be designed and manufactured in accordance with a national standard and have at least 1200 litres capacity.
3. For use in applications involving dangerous goods, a positive pressure type mask and demand valve is required.
4. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or Product Verification (Module F) of the Marine Equipment Directive.
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.



Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 3 of 3
Document number MED 1450031
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 13 February 2014	Quote this reference on all future communications MTES/SFS/TA/MF/WP16696268
--------------------------	--

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1450031

NOTE

The device was also examined for compliance with FSS Code Amendments in IMO Resolution MSC.339 (91), applicable from 1 July 2014 for new ships and 1 July 2019 under Resolution MSC.338(91) for existing ships. The requirements in Res. MSC.98(73) FSS Code, Chapter 3, paragraph 2.1.2 was replaced by new requirements in paragraphs 2.1.2.1 and 2.1.2.2, in particular, a second "device which will alert the user before the air in the cylinder has been reduced to no less than 200 litres." This device was confirmed in the DEKRA EXAM GmbH Letter Statement dated 6 August 2013, as a marked sector on the pressure gauge, in addition to the audible whistle.

PLACE OF PRODUCTION

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



Martin Farrier
Lead Specialist
Statutory Fire and Safety
Marine Technology and Engineering Services
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038