

IRISH STANDARD

I.S. EN 14593-1:2005

ICS 13.340.30

RESPIRATORY PROTECTIVE DEVICES COMPRESSED AIR LINE BREATHING
APPARATUS WITH DEMAND VALVE - PART 1:
APPARATUS WITH A FULL FACE MASK -

REQUIREMENTS, TESTING, MARKING

National Standards Authority of Ireland Glasnevin, Dublin 9 Ireland

Tel: +353 1 807 3800 Fax: +353 1 807 3838 http://www.nsai.ie

Sales

http://www.standards.ie

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on: June 22, 2005

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2005 Price Code L

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 14593-1

April 2005

ICS 13.340.30

English version

Respiratory protective devices - Compressed air line breathing apparatus with demand valve - Part 1: Apparatus with a full face mask - Requirements, testing, marking

Appareils de protection respiratoire - Appareils de protection respiratoire isolants à adduction d'air comprimé avec soupape à la demande - Partie 1: Appareil avec masque complet - Exigences, essais, marquage

Atemschutzgeräte - Druckluft-Schlauchgeräte mit Lungenautomat - Teil 1: Geräte mit einer Vollmaske -Anforderungen, Prüfung, Kennzeichnung

This European Standard was approved by CEN on 15 March 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN 14593-1:2005 (E)

Contents

		Page
Forew	ord	4
Introdu	uction	5
1	Scope	5
2	Normative references	5
2	Terms, definitions and pictograms	
4	Description	
4	·	
5	Requirements	
5.1	General	
5.2	Ergonomics	
5.3	Materials	
5.4	Water immersion	
5.5 5.6	Cleaning and disinfecting	
	Practical performance	
5.7 5.8	Connections Compressed air line breathing apparatus used with self-contained breathing apparatus -	8
5.6	switch over deviceg apparatus used with self-contained breatning apparatus -	•
5.9	Body harness or belt	٠9
5.9 5.10	Performance requirements after storage	
5.10 5.11	Flammability	
5.11 5.12	Resistance to pressure	
5.12 5.13	Mobile high pressure air supply systems	
5.13 5.14	Warning devices for mobile high pressure air supply systems	
5.1 5	Compressed air supply tube	
5.16	Breathing hose	
5.17	Lung governed demand valve	
5.1 <i>1</i> 5.18	Adjustable parts	
5.19	Full face masks	
5.20	Inward leakage	
5.21	Inhalation and exhalation valves	
5.22	Breathing resistance	
5.23	Carbon dioxide content of inhalation air	15
5.24	Leaktightness	
_		
6	Testing	
6.1	General	
6.2 6.3	Water immersion	
ნ.პ 6.4	Visual inspection Practical performance	
6.5	Strength of connections to facepiece, demand valve, medium pressure connecting tube	17
0.5	and breathing hose	10
6.6	Resistance to collapse of breathing hose	
6.7	Strength of compressed air supply tube, body harness and couplings	
6. <i>1</i> 6.8	Storage conditioning	
6.9	Flammability	
6.10	Pressure relief valve	
6.11	Resistance to kinking of compressed air supply tube	
6.12	Resistance to collapse of compressed air supply tube	
6.13	Heat resistance of compressed air supply tube	

EN 14593-1:2005 (E)

6.14	Inward leakage	21
6.15	Tests for lung-governed demand valve	21
6.16	Determination of carbon dioxide content of the inhalation air	22
6.17	Testing of audible warning device	22
6.18	Switch over device	
7	Marking	22
8	Information supplied by the manufacturer	23
Annex	A (normative) Static and dynamic pressure for apparatus with thread connector in accordance with EN 148-3	31
Annex	B (informative) Marking	33
Annex	ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC (PPE)	34

EN 14593-1:2005 (E)

Foreword

This European Standard (EN 14593-1:2005) has been prepared by Technical Committee CEN/TC 79 "Respiratory protective devices", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2005, and conflicting national standards shall be withdrawn at the latest by October 2005.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 89/686/EEC.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this European Standard.

Together with EN 14593-2 and EN 14594, this European Standard supersedes EN 139:1994.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation