



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1146:1997

ICS 13.340.30

**RESPIRATORY PROTECTIVE DEVICES FOR
SELF-RESCUE - SELF-CONTAINED
OPEN-CIRCUIT COMPRESSED AIR
BREATHING APPARATUS INCORPORATING
A HOOD (COMPRESSED AIR ESCAPE
APPARATUS WITH HOOD) -
REQUIREMENTS, TESTING, MARKING**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel. (01) 807 3800
Tel: (01) 807 3838

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
October 17, 1997*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 1997

Price Code O

Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

RESPIRATORY PROTECTIVE DEVICES FOR SELF-RESCUE - SELF-CONTAINED
OPEN-CIRCUIT COMPRESSED AIR BREATHING APPARATUS INCORPORATING A
HOOD (COMPRESSED AIR ESCAPE APPARATUS WITH HOOD) - REQUIREMENTS,
TESTING, MARKING

AS

THE IRISH STANDARD SPECIFICATION FOR

RESPIRATORY PROTECTIVE DEVICES FOR SELF-RESCUE - SELF-CONTAINED
OPEN-CIRCUIT COMPRESSED AIR BREATHING APPARATUS INCORPORATING A
HOOD (COMPRESSED AIR ESCAPE APPARATUS WITH HOOD) - REQUIREMENTS,
TESTING, MARKING

NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Respiratory protective devices for self-rescue - Self-contained open-circuit compressed air breathing apparatus incorporating a hood (compressed air escape apparatus with hood) - Requirements, testing, marking) Declaration, 1997.

2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Respiratory protective devices for self-rescue - Self-contained open-circuit compressed air breathing apparatus incorporating a hood (compressed air escape apparatus with hood) - Requirements, testing, marking. The Schedule comprises the text of EN 1146:1997.

(2) The said standard specification may be cited as Irish Standard EN 1146:1997 or as I.S. EN 1146:1997.

EUROPEAN STANDARD

EN 1146

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1997

ICS 13.340.30

Descriptors: personal protective equipment, accident prevention, respiratory protective equipment, specifications, tests, instructions, marking

English version

**Respiratory protective devices for self-rescue -
Self-contained open-circuit compressed air
breathing apparatus incorporating a hood
(compressed air escape apparatus with hood) -
Requirements, testing, marking**

Appareils de protection respiratoire pour
l'évacuation - Appareils de protection
respiratoire isolants autonomes à circuit, à
air comprimé avec cagoule (appareils
d'évacuation à air comprimé avec cagoule) -
Exigences, essais, marquage

Atemschutzgeräte für Selbstrettung -
Behältergeräte mit Druckluft mit Haube
(Druckluftselbstretter mit Haube) -
Anforderungen, Prüfung, Kennzeichnung

This European Standard was approved by CEN on 1995-12-28. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword

Introduction

1	Scope	7	Testing
2	Normative references	7.1	General
3	Definition and description	7.2	Visual inspection
4	Classification	7.3	Practical performance
5	Designation	7.4	Mechanical strength
6	Requirements	7.5	Resistance to temperature
6.1	General	7.6	Leaktightness of the ready for use apparatus
6.2	Design	7.7	Physiological parameters
6.3	Materials	7.8	Insulation resistance of non-metallic carrying containers
6.4	Cleaning and disinfecting	7.9	Low temperature practical performance
6.5	Mass	7.10	Inward leakage
6.6	Connections	7.11	Air porosity
6.7	Harness	8	Marking
6.8	Handling	9	Instructions for use
6.9	Leaktightness	Table 4	Summary of requirements and tests
6.10	Facepiece	Annex A	Methods of measurement of the insulation resistance of non-metallic carrying containers
6.11	Resistance to temperature		
6.12	Protection against particulate matter		
6.13	High pressure parts		
6.14	High and low pressure connections		
6.15	Compressed air container	Annex ZA	Relationship with EU Directive
6.16	Compressed air container seal		
6.17	Pressure reducer		
6.18	Pressure indicator		
6.19	Hoses		
6.20	Mechanical strength		
6.21	Performance		
6.22	Practical performance		
6.23	Visual inspection		

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

[Product Page](#)

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