

Respiratory equipment — Open-circuit self-contained diving apparatus for use with compressed Nitrox and oxygen — Requirements, testing, marking

The European Standard EN 13949:2003 has the status of a British Standard

ICS 13.340.30

National foreword

This British Standard is the official English language version of EN 13949:2003.

The UK participation in its preparation was entrusted by Technical Committee PH/4, Respiratory protection, to Subcommittee PH/4/7, Underwater breathing apparatus, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 5 March 2003

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 11 and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 5 March 2003

ISBN 0 580 41368 3

English version

Respiratory equipment - Open-circuit self-contained diving
apparatus for use with compressed Nitrox and oxygen -
Requirements, testing, marking

Appareils respiratoires - Appareils de plongée autonomes à
circuit ouvert pour une utilisation au Nitrox et à l'oxygène -
Exigences, essai, marquage

Atemgeräte - Autonome Leichttauchgeräte mit Nitrox-
Gasgemisch und Sauerstoff - Anforderungen, Prüfung,
Kennzeichnung

This European Standard was approved by CEN on 21 November 2002.

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 Management Centre 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovak Republic, 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

Contents

	page
Foreword	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and Definitions	4
4 Requirements	5
4.1 General	5
4.2 Materials and design	5
4.2.1 Oxygen compatibility	5
4.2.2 Oxygen cleanliness	5
4.3 Pressure vessel(s)	5
4.4 Pressure vessel valve(s)	5
4.5 High pressure gauge hose	6
5 Testing	6
5.1 General	6
5.2 Oxygen pressure surge test	6
6 Marking	7
7 Information supplied by the manufacturer	7
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives.	10

Foreword

This document (EN 13949:2003) 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 August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

This document 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(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

If this draft becomes a European Standard, 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.

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