

Respiratory protective devices — Gas filters and combined filters — Requirements, testing, marking

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National foreword

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

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- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 19 and a back cover.

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Anforderungen, Prüfung, Kennzeichnung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 79, Respiratory protective devices, the secretariat of which is held by DIN.

This European Standard replaces EN 141:1990.

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of an identical text or by endorsement, at the latest by August 2000, and conflicting national standards shall be withdrawn at the latest by August 2000.

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(s).

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

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

A given respiratory protective device can only be approved when the individual components satisfy the requirements of the test specification which may be a complete standard or part of a standard, and practical performance tests have been carried out successfully on complete apparatus where specified in the appropriate standard. If for any reason a complete apparatus is not tested then simulation of the apparatus is permitted provided the respiratory characteristics and weight distribution are similar to those of the complete apparatus.

1 Scope

This European Standard specifies gas filters and combined filters for use as components in unassisted respiratory protective devices. AX filters against low boiling organic compounds, SX filters against specific named compounds and CO filters are excluded.

Laboratory tests are included for the assessment of compliance with the requirements.

Some filters complying with this standard may also be suitable for use with other types of respiratory protective devices and if so shall be tested and marked according to the appropriate European Standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 132	<i>Respiratory protective devices - Definitions of terms and pictograms.</i>
EN 134	<i>Respiratory protective devices - Nomenclature of components.</i>
EN 143	<i>Respiratory protective devices - Particle filters - Requirements, testing, marking.</i>
EN 148-1	<i>Respiratory protective devices - Threads for facepieces - Part 1: Standard thread connection.</i>
EN 371	<i>Respiratory protective devices - AX gas filters and combined filters against low boiling organic compounds - Requirements, testing, marking.</i>
EN 372	<i>Respiratory protective devices - SX gas filters and combined filters against specific named compounds - Requirements, testing, marking.</i>

3 Definitions

For the purposes of this European Standard the definitions in EN 132 and the nomenclature given in EN 134 apply.

4 Description

Air enters the gas or combined filter(s) and passes to the facepiece after removal of gases and vapours or gases, vapours and particles.