

Respiratory protective devices - Methods of test - Part 2:
Practical performance tests

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13274-2:2019 sisaldab Euroopa standardi EN 13274-2:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 13274-2:2019 consists of the English text of the European standard EN 13274-2:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 13.340.30

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English Version

Respiratory protective devices - Methods of test - Part 2: Practical performance tests

Appareils de protection respiratoire - Méthodes d'essai
- Partie 2 : Essais pratiques de performance

Atemschutzgeräte - Prüfverfahren - Teil 2: Praktische
Leistungsprüfungen

This European Standard was approved by CEN on 17 June 2019.

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European foreword

This document (EN 13274-2:2019) 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of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13274-2:2001.

The following main technical changes have been made compared to EN 13274-2:2001:

- a) Clause 4 amended to include relevant test conditions and the activity sequence;
- b) Clause 5 amended regarding the estimation of uncertainty;
- c) data for test subjects added;
- d) assessment of practical performance amended;
- e) test report added;
- f) activities for practical performance tests more specified and amended.

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

Introduction

This document is intended as a supplement to the specific device standards for respiratory protective devices. Test methods are specified for complete or parts of devices. If deviations from the test method given in this document are necessary, these deviations will be specified in the relevant device standard.

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1 Scope

This document specifies practical performance tests for respiratory protective devices, except for diving apparatus. The purpose of these tests is to subjectively assess certain properties, characteristics and functions of the device, when worn by test subjects in simulated practical use, which cannot be assessed by tests described in other standards.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 132, *Respiratory protective devices — Definitions of terms and pictograms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 132 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 Pre-requisites

In order to implement this document, at least the following parameters need to be specified in the relevant device standard:

- number of samples;
- device preparation;
- any prior conditioning or testing;
- number and selection of test subjects;
- deviations;
- pass/fail criteria;
- identification of activities (by number in Table 1), and duration/repetition if different to those specified;
- relevant test conditions for each activity e.g. ambient or low temperature;
- activity sequence, if relevant.

5 Nominal values and tolerances

Unless otherwise specified, the values stated in this document are expressed as nominal values. Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of $\pm 5\%$. Unless otherwise specified, for the purpose of practical performance testing the ambient conditions shall be between $20\text{ }^{\circ}\text{C}$ and $28\text{ }^{\circ}\text{C}$ and a relative humidity of between 20% and 80% . Any temperature limits specified shall be subject to an accuracy of $\pm 1\text{ }^{\circ}\text{C}$.