BS EN ISO 29464:2019

BSI Standards Publication

Cleaning of air and other gases — Terminology

bsi.

National foreword

This British Standard is the UK implementation of EN ISO 29464:2019. It is identical to ISO 29464:2017. It supersedes BS EN 14799:2007 and BS ISO 29464:2017, which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MCE/21, Filters for gases and liquids.

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

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

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
31 October 2019	This corrigendum renumbers BS ISO 29464:2017 as BS EN ISO 29464:2019. The supersession details in the national foreword have also been updated.

EUROPEAN STANDARD

NORME EUROPÉENNE

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EN ISO 29464

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Supersedes EN 14799:2007

English Version

Cleaning of air and other gases - Terminology (ISO 29464:2017)

Épuration de l'air et autres gaz - Terminologie (ISO 29464:2017)

Reinigung von Luft und anderen Gasen - Terminologie (ISO 29464:2017)

This European Standard was approved by CEN on 12 August 2019.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

The text of ISO 29464:2017 has been prepared by Technical Committee 142 "Cleaning equipment for air and other gases" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 29464:2019 by Technical Committee CEN/TC 195 "Air filters for general air cleaning" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.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 14799:2007.

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Endorsement notice

The text of ISO 29464:2017 has been approved by CEN as EN ISO 29464:2019 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 142, *Cleaning equipment for air and other gases*.

This second edition of ISO 29464 cancels and replaces the first edition (ISO 29464:2011), which has been technically revised.

INTERNATIONAL STANDARD **ISO 29464:2017(E)**

Cleaning of air and other gases — Terminology

1 Scope

This document establishes a terminology for the air filtration industry and comprises terms and definitions only.

This document is applicable to particulate and gas phase air filters and air cleaners used for the general ventilation of inhabited enclosed spaces. It is also applicable to air inlet filters for static or seaborne rotary machines and UV-C germicidal devices.

It is not applicable to cabin filters for road vehicles or air inlet filters for mobile internal combustion engines for which separate arrangements exist. Dust separators for the purpose of air pollution control are also excluded.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purpose of this document, the following terms and definitions 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 http://www.iso.org/obp

3.1 General, applicable to both particulate and gas-phase air cleaners

3.1.1
air cleaner
device intended to remove *contaminants* (3.1.8) from air in a ventilation system or enclosed space

3.1.2
air velocity
rate of air movement

Note 1 to entry: It is expressed in m/s (fpm) to three significant figures.

3.1.3
bypass
air filter bypass
sneakage
proportion of the *challenge air stream* (3.5.13) that passes around an *air cleaner* (3.1.1) without interacting with the air cleaner

3.1.4
calibrate
to compare readings from the instrument to be calibrated with those from a reference device