DIN EN ISO 29463-3

ICS 91.140.30

Supersedes
DIN EN 1822-3:2011-01

High-efficiency filters and filter media for removing particles in air – Part 3: Testing flat sheet filter media (ISO 29463-3:2011); English version EN ISO 29463-3:2018, English translation of DIN EN ISO 29463-3:2019-05

Schwebstofffilter und Filtermedien zur Abscheidung von Partikeln aus der Luft –
Teil 3: Prüfung des planen Filtermediums (ISO 29463-3:2011);
Englische Fassung EN ISO 29463-3:2018,
Englische Übersetzung von DIN EN ISO 29463-3:2019-05

Filtres à haut rendement et filtres pour l'élimination des particules dans l'air –
Partie 3: Méthode d'essai des filtres à feuille plate (ISO 29463-3:2011);
Version anglaise EN ISO 29463-3:2018,
Traduction anglaise de DIN EN ISO 29463-3:2019-05

Document comprises 29 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 29463-3:2018) has been prepared by Technical Committee ISO/TC 142 "Cleaning equipment for air and other gases" in collaboration with Technical Committee CEN/TC 195 "Air filters for general air cleaning" (Secretariat: UNI, Italy).

The responsible German body involved in its preparation was *DIN-Normenausschuss Maschinenbau* (DIN Standards Committee Mechanical Engineering), Working Committee NA 060-09-21 AA "Air filters" of Section "Air handling technology". Representatives of manufacturers and users of air filters and air filter media, and of research and testing institutes contributed to this standard.

DIN EN ISO 29463 consists of the following parts, under the general title *High-efficiency filters and filter media for removing particles in air*:

— *Part 2: Aerosol production, measuring equipment and particle-counting statistics*

— *Part 3: Testing flat sheet filter media*

— *Part 4: Test method for determining leakage of filter elements — Scan method*

— *Part 5: Test method for filter elements*

The International Standards referred to in Clause 2 and the Bibliography, and which have been taken over as European Standards, have been published as the corresponding DIN EN ISO Standards with the same number.

Where the International Standards and documents referred to are not also DIN ISO Standards with the same number, there are no national standards available.

The DIN documents corresponding to the international documents referred to in this document are as follows:

ISO 5167-1	DIN EN ISO 5167-1
ISO 5167-2	DIN EN ISO 5167-2
ISO 5167-3	DIN EN ISO 5167-3
ISO 5167-4	DIN EN ISO 5167-4
ISO 14644-3	DIN EN ISO 14644-3

In addition to the legal units of measurement, this standard also uses the unit "in (inch)", the use of which is not allowed in Germany. It should, however, be noted that the *Gesetz über Einheiten im Messwesen* (German Law on units in metrology) prohibits the use of this unit for official and commercial purposes in Germany.

Conversion:

Non-SI unit	SI unit	Conversion
in (inch)	mm	1 inch = 25,4 mm

Amendments

This standard differs from DIN EN 1822-3:2011-01 as follows:

a) CEN/TC 195 decided to replace EN 1822-2 to EN 1822-5 with the corresponding parts of the standards series ISO 29463.

Previous editions

DIN 24184: 1974-10, 1990-12
DIN EN 1822-3: 1998-07, 2011-01

National Annex NA
(informative)

Bibliography

DIN EN ISO 5167-1, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements*

DIN EN ISO 5167-2, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2: Orifice plates*

DIN EN ISO 5167-3, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 3: Nozzles and Venturi nozzles*

DIN EN ISO 5167-4, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 4: Venturi tubes*

DIN EN ISO 14644-3, *Cleanrooms and associated controlled environments — Part 3: Test methods*