



NSAI
Standards

Irish Standard
I.S. EN 15780:2011

Ventilation for buildings - Ductwork - Cleanliness of ventilation systems

I.S. EN 15780:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:

This document is based on:
EN 15780:2011

Published:
7 November, 2011

This document was published under the authority of the NSAI and comes into effect on:
7 November, 2011

ICS number:

91.140.30

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Údarás um Chaighdeáin Náisiúnta na hÉireann

ICS 91.140.30

English Version

Ventilation for buildings - Ductwork - Cleanliness of ventilation systems

Ventilation des bâtiments - Réseaux de conduits - Propreté des systèmes de ventilation

Lüftung von Gebäuden - Luftleitungen - Sauberkeit von Lüftungsanlagen

This European Standard was approved by CEN on 11 September 2011.

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Foreword

This document (EN 15780:2011) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by April 2012, and conflicting national standards shall be withdrawn at the latest by April 2012.

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

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard applies to both new and existing ventilation and air conditioning systems and specifies the assessment criteria of cleanliness, cleaning procedures of these systems, and the validation of the effectiveness of cleaning applies also to products, which conform to EN 1505, EN 1506, EN 13053, EN 13180 and EN 13403, used in air conditioning and ventilation systems for human occupancy defined in the scope of CEN/TC 156. This European Standard does not apply to installations for industrial processes.

Cleanliness of ventilation systems is considered important for human comfort and health, energy consumption, system service life and for cleanliness of operations or processes carried out in the ventilated area.

Considerations for change of component as an alternative for cleaning (e.g. in case of flexible ducts and air filters) are also included.

This European Standard specifies general requirements and procedures necessary in assessing and maintaining the cleanliness of ducted ventilation, including:

- cleanliness quality classification;
- how to assess the need for cleaning (visual, measurements);
- assessment frequency (general guidance); guidance of system inspections in accordance with EN 15239, and EN 15240 when relevant;
- selection of cleaning method – to be in line with handing over documentation according to EN 12599;
- how to assess the result of cleaning.

This European Standard is a parallel standard to EN 12097, which specifies requirements for dimension, shape and location for access panels for cleaning and service in ductwork systems.

This European Standard is made as an umbrella standard with informative annexes that can be revised, completed and further added in future revisions of this European Standard for specific system types, and products or applications in the system, such as:

- Air Handling Units (AHU);
- filter;
- humidifiers;
- heat recovery units;
- decentralised air treatment units such as fan-coil units, induction units;
- terminal devices;
- kitchen extract equipment.

The main target groups of this European Standard are specifiers of the cleanliness quality classes and cleaning methods primarily system designers who also specify the system of access, building owners, services companies, maintenance companies, end users and consultancy and control companies.

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