



NSAI
Standards

Irish Standard
I.S. EN 15727:2010

Ventilation for buildings - Ducts and ductwork components, leakage classification and testing

I.S. EN 15727:2010

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EUROPEAN STANDARD

EN 15727

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2010

ICS 91.140.30

English Version

Ventilation for buildings - Ducts and ductwork components, leakage classification and testing

Ventilation des bâtiments - Composants de réseaux,
classification de l'étanchéité et essais

Lüftung von Gebäuden - Luftleitungen und
Luftleitungsbauteile, Klassifizierung entsprechend der
Luftdichtheit und Prüfung

This European Standard was approved by CEN on 30 April 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

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Contents

Page

Foreword.....	3
Introduction	4
1 Scope	6
2 Normative references	6
3 Terms, definitions and symbols.....	6
3.1 Terms and definitions	6
3.2 Symbols	8
4 Instrumentation.....	9
4.1 Calibration	9
4.2 Air flow rate measurement.....	9
4.3 Pressure measurement	9
4.4 Temperature measurement.....	9
5 Leakage.....	9
6 Test rig specifications	10
7 Test procedure	11
7.1 Method for testing a technical ductwork product	11
7.2 Calculation of the total joint length (L).....	11
7.3 Calculation of the virtual product surface area (A_c).....	11
7.4 Correction of leakage	12
7.5 Calculation of the product tightness factor (f_c)	12
8 Test report	12
Bibliography	13

Foreword

This document (EN 15727:2010) 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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

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.

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Introduction

The position of this standard in the field of mechanical services is shown in Figure 1.

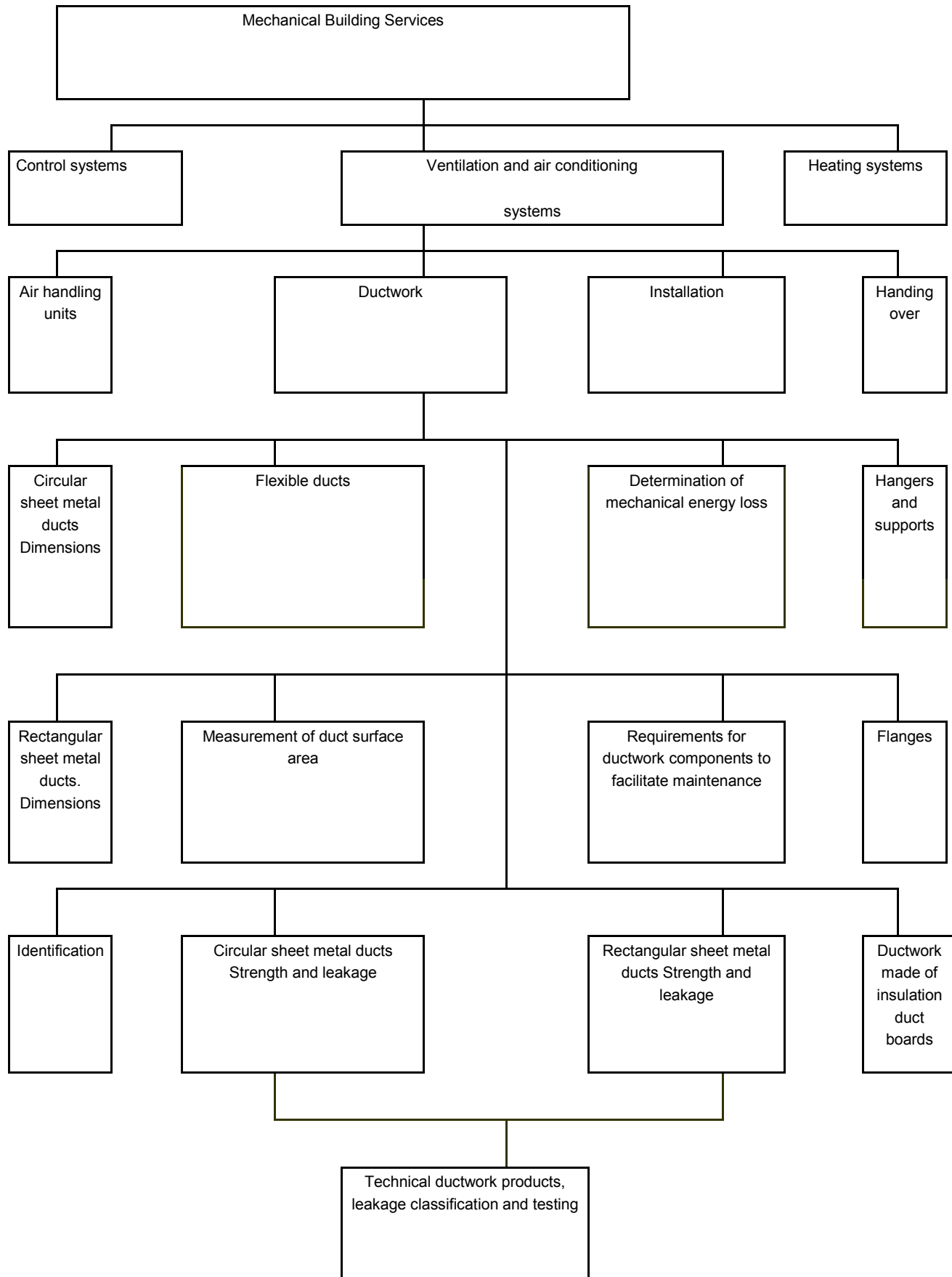


Figure 1 — Position of this standard in the field of mechanical services

1 Scope

This European Standard applies to technical ductwork products, intended for installation in ductwork conforming to EN 1505 and EN 1506, used in air conditioning and ventilation systems defined in the scope of CEN/TC 156. This document specifies the leakage requirements for technical ductwork products, i.e. components in the ductwork that has more functions than conveying air, such as sound attenuators, filter boxes and duct fans, etc.

The following products are not within the scope of this document:

- ductwork components like bends, reducers, ducts and T-pieces. EN 12237 and EN 1507 apply;
- flexible ducts according to EN 13180;
- ducts made of insulation ductboards according to EN 13403;
- dampers according to EN 1751;
- air handling units according to EN 1886.

This document is a parallel standard to EN 12237, EN 1507 and EN 1751, based on the same leakage classification.

2 Normative references

The following referenced documents are indispensable for the application 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 1505, *Ventilation for buildings — Sheet metal air ducts and fittings with rectangular cross section — Dimensions*

EN 1506, *Ventilation for buildings — Sheet metal air ducts and fittings with circular cross-section — Dimensions*

EN 12792:2003, *Ventilation for buildings — Symbols, terminology and graphical symbols*

3 Terms, definitions and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12792:2003 and the following apply.

3.1.1

nominal diameter

d_n

nominal diameter according to EN 1506 for ductwork of circular cross-section

3.1.2

side lengths a and b

side lengths according to EN 1505 for a ductwork of rectangular cross-section

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