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I.S. EN 12380:2002

ICS 23.060.99
91.140.80

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AIR ADMITTANCE VALVES FOR DRAINAGE SYSTEMS - REQUIREMENTS, TEST METHODS AND EVALUATION OF CONFORMITY

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on: January 17, 2003

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12380

December 2002

ICS 23.060.99; 91.140.80

English version

Air admittance valves for drainage systems - Requirements, tests methods and evaluation of conformity

Clapets équilibreurs de pression pour systèmes d'évacuation - Exigences, méthodes d'essais et évaluation de conformité

Belüftungsventile für Entwässerungssysteme - Anforderungen, Prüfverfahren und Konformitätsbewertung

This European Standard was approved by CEN on 23 September 2002.

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Contents

page

Foreword 4

Introduction 5

1 Scope 5

2 Normative references 5

3 Terms, definitions and symbols 6
3.1 Terms and definitions 7
3.2 Symbols 7

4 Types of air admittance valves 7

5 Requirements 8
5.1 General 8
5.2 Connections 8
5.3 Airtightness 8
5.4 Durability 8
5.5 Effectiveness 8

6 Test methods 8
6.1 General procedure 9
6.1.1 Sampling for tests 9
6.1.2 Test methods 9
6.2 Drop test 9
6.2.1 Method 9
6.2.2 Criteria 10
6.3 Air tightness test 10
6.3.1 Apparatus 10
6.3.2 Method 11
6.3.3 Criteria 12
6.4 Endurance and temperature test 12
6.4.1 Apparatus 12
6.4.2 Method 13
6.4.3 Criteria 14
6.5 Opening characteristic and airflow capacity test 14
6.5.1 Apparatus 14
6.5.2 Method 15
6.5.3 Criteria 15
6.6 Test for effectiveness at temperatures below zero 15
6.6.1 Apparatus 15
6.6.2 Test method 16
6.6.3 Criteria 17

7 Marking, labelling and packaging 17

8 Evaluation of conformity 17
8.1 General 17
8.2 Initial type testing (type testing) 18
8.3 Factory production control (internal quality control) 18

Annex A (normative) **Model test report** 19

Annex ZA (informative) **Clauses of this European Standard addressing the provisions of EU Directives** 20
ZA.1 Scope and relevant characteristics 20

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ZA.2 Procedure(s) for the attestation of conformity of products 21
ZA.2.1 System of attestation of conformity 21
ZA.2.2 Declaration of conformity 22
ZA.3 CE marking and labelling 22

Bibliography 24

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Foreword

This document (EN 12380:2002) has been prepared by Technical Committee CEN/TC 165 "Wastewater engineering", 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 June 2003, and conflicting national standards shall be withdrawn at the latest by September 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

After enquiry of the draft standards prEN 12380-1 and prEN 12380-2, CEN/TC 165 decided to move requirements on ventilating of drainage systems to EN 120562 and EN 12056-5 and continued the work with the product standard EN 12380 with the new title "*Air admittance valves for drainage systems — Requirements, tests methods and evaluation of conformity*". This document is the result of this decision.

According to the Mandate M118 "Waste Water Engineering Products", issued by the Commission to CEN within the context of the Council Directive of 21 December on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC), the annex ZA was added, which shows the clauses of this European Standard addressing the provisions of the EU Directive.

Annex A is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

The purpose of an air admittance valve is to provide a method to protect water traps in gravity drainage systems by allowing air to enter the system when a negative pressure develops in the pipework, as an alternative to the use of pipework for ventilation.

1 Scope

This European Standard establishes requirements, test methods and evaluation of conformity for air admittance valves to be used in drainage systems installed inside buildings in accordance with EN 12056-2 and EN 12056-5.

It specifies the performance requirements of air admittance valves and how to test them to demonstrate compliance with this standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 681-1, *Elastomeric seals — Material requirements for pipe joint seals used in water and drainage applications — Part 1: Vulcanized rubber.*

EN 681-2, *Elastomeric seals — Material requirements for pipe joints seals used in water and drainage applications — Part 2: Thermoplastic elastomers.*

EN 681-3, *Elastomeric seals — Material requirements for pipe joints seals used in water and drainage applications — Part 3: Cellular materials of vulcanized rubber.*

EN 681-4, *Elastomeric seals - Materials requirements for pipe joint seals used in water and drainage applications - Part 4: Cast polyurethane sealing elements.*

EN 877, *Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings — Requirements, test methods and quality assurance.*

EN 1123-1, *Pipes and fittings of longitudinally welded hot-dip galvanized steel pipes with spigot and socket for wastewater systems — Part 1: Requirements, testing, quality control.*

EN 1123-2, *Pipes and fittings of longitudinally welded hot-dip galvanized steel pipes with spigot and socket for wastewater systems — Part 2: Dimensions.*

EN 1124-1*, Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for wastewater systems — Part 1: Requirements, testing, quality control.*

EN 1124-2, *Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for wastewater systems — Part 2: System S — Dimensions.*

EN 1124-3, *Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for wastewater systems — Part 3: System X — Dimensions.*

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