

Devices to prevent pollution by backflow of potable water - Air gap with non-circular overflow (unrestricted) - Family A-Type B

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13077:2008 sisaldab Euroopa standardi EN 13077:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 18.08.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 25.06.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 13077:2008 consists of the English text of the European standard EN 13077:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 18.08.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Võtmesõnad:

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English Version

Devices to prevent pollution by backflow of potable water - Air
gap with non-circular overflow (unrestricted) - Family A - Type B

Dispositif de protection contre la pollution de l'eau potable
par retour - Surverse avec trop-plein non-circulaire (to-tale)
- Famille A - Type B

Sicherungseinrichtungen zum Schutz des Trinkwassers
gegen Verschmutzung durch Rückfließen - Freier Auslauf
mit nicht kreisförmigem Überlauf (uneingeschränkt) -
Familie A, Typ B

This European Standard was approved by CEN on 29 May 2008.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 United Kingdom.



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Contents

Page

Foreword.....	3
Introduction.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Designation	6
5 Symbolization	6
6 Materials	7
7 Requirements	7
8 Marking (not required for site constructed products)	12
9 Technical documents	12
Annex A (informative) Relationship between h and l for air gap Family A, Type B with rectangular overflow	13
Annex B (normative) Alternative overflow arrangements	14
B.1 General	14
B.2 Horizontal overflow arrangement	14
B.3 Letterbox overflow extension arrangement	15

Foreword

This document (EN 13077:2008) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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 December 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

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.

This document supersedes EN 13077:2003.

Compared to the previous edition of the document the following changes have been made:

- a) definitions in Clause 3 revised;
- b) Annex B on alternative overflow arrangements added;
- c) editorial errors corrected.

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, 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.

Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this European Standard:

- a) this European Standard provides no information as to whether the product may be used without restriction in any of the Member State of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

1 Scope

This European Standard specifies the characteristics and the requirements of air gap with non-circular overflow (unrestricted) Family A, Type B for nominal flow velocity not exceeding 3 m/s. Air gaps are devices for protection of potable water in water installations from pollution. This European Standard applies to air gaps in factory-assembled products and to constructed air gaps in situ, and defines the physico-chemical characteristics of materials of construction used for the purpose and application to ensure compliance with this European Standard during normal working use.

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 1717:2000, *Protection against pollution of potable water in water installations and general requirements of devices to prevent pollution by backflow*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1717:2000 and the following apply.

3.1

air gap with non-circular overflow (unrestricted) Family A, Type B ("AB" air gap)

permanent and vertical distance between the lowest point of the inlet orifice and the critical water level, and whose overflow is non-circular in design

NOTE See Figure 1 for the design principle.

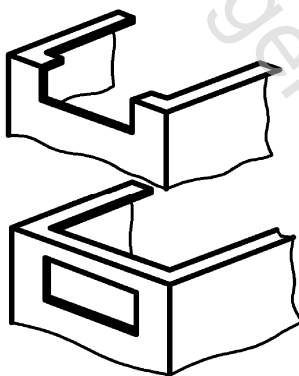


Figure 1 — Design principle

3.2

spillover level

level at which water will start to overflow the receiving vessel with all outlets closed