

**Devices to prevent pollution by
backflow of potable water - Air gap with
circular overflow (restricted) - Family A,
type F**

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water - Air gap with circular overflow (restricted) -
Family A, type F

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14622:2005 sisaldab Euroopa standardi EN 14622:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.06.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14622:2005 consists of the English text of the European standard EN 14622:2005.</p> <p>This document is endorsed on 22.06.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the characteristics and the requirements of air gaps with circular overflow (restricted) family A, type F for nominal flow velocity not exceeding 3 m/s. Air gaps are devices for protection of potable water in water installations from pollution.</p>	<p>Scope:</p> <p>This European Standard specifies the characteristics and the requirements of air gaps with circular overflow (restricted) family A, type F for nominal flow velocity not exceeding 3 m/s. Air gaps are devices for protection of potable water in water installations from pollution.</p>
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ICS 13.060, 91.140.60

Võtmesõnad: anti-siphonage systems, hazards, impurities, outlets, water

ICS 13.060.20; 91.140.60

English version

Devices to prevent pollution by backflow of potable water - Air
gap with circular overflow (restricted) - Family A, type F

Dispositifs de protection contre la pollution de l'eau potable
par retour - Surverse avec trop plein circulaire (limitée) -
Famille A, type F

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

This European Standard was approved by CEN on 25 March 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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Foreword

This European Standard (EN 14622:2005) 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 November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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 produce 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 gaps with circular overflow (restricted) family A, type F for nominal flow velocity not exceeding 3 m/s. Air gaps are devices for protection of potable water in water installations from pollution. This document applies to air gaps in factory assembled products and to constructed air gaps in situ, and defines the physicochemical characteristics of materials of construction used for the purpose and application to ensure compliance with this document 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 European Standard, the terms and definitions of EN 1717:2000 and the following apply.

3.1

air gap with circular overflow (restricted) family A, type F

a permanent and vertical distance between the lowest point of the feed orifice and the critical water level or the top of the overflow having a circular overflow capable of draining the maximum inflow of water under fault condition

NOTE See Figure 1 for the design principle.

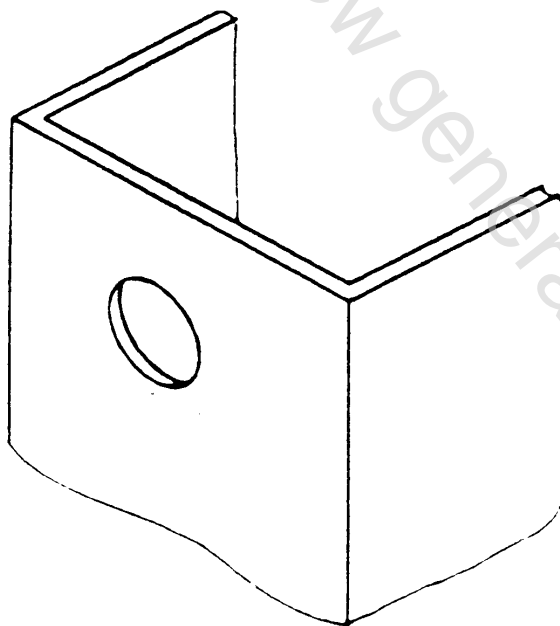


Figure 1 — Design principle

3.2

spillover level

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