

**Devices to prevent pollution by
backflow of potable water - Air gap with
injector - Family A - Type D**

Devices to prevent pollution by backflow of potable
water - Air gap with injector - Family A - Type D

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13079:2003 sisaldab Euroopa standardi EN 13079:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.10.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13079:2003 consists of the English text of the European standard EN 13079:2003.</p> <p>This document is endorsed on 14.10.2003 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: This European Standard specifies the characteristics and the requirements of air gaps with injector Family A Type D intended for protection of potable water in water installations from pollution. This 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 standard during normal working use</p>	<p>Scope: This European Standard specifies the characteristics and the requirements of air gaps with injector Family A Type D intended for protection of potable water in water installations from pollution. This 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 standard during normal working use</p>
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ICS 13.060.20, 23.060.99, 91.140.60

Võtmesõnad: pipelines, specificatio, specifications, technical documents, testing, testing devices, valves, water, water heaters, water outlet, water pollution, water purification, water quality, water supply, water supply (buildings), water supply installations, water treatment

ICS 13.060.20; 23.060.99; 91.140.60

English version

Devices to prevent pollution by backflow of potable water - Air gap with injector - Family A - Type D

Disconnexion sans pièce mobile pour la prévention de la contamination de l'eau pour retour - Spécification pour les surverses par injecteur de type AD

Sicherungseinrichtungen zum Schutz des Trinkwassers gegen Verschmutzung durch Rückfließen - Freier Auslauf mit Injektor - Familie A - Typ D

This European Standard was approved by CEN on 1 August 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 13079:2003) 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 March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 standard:

- a) this standard provides no information as to whether the product may be used without restriction in any member states 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 injector Family A Type D intended for protection of potable water in water installations from pollution.

This 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 standard during normal working use.

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 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 injector Family A – Type D

'AD' air gap with injector is a permanent distance between the upstream feed orifice and the downstream receiving orifice

NOTE 1 This device is intended to work in the horizontal plane only.

NOTE 2 See Figure 1 for the design principle.

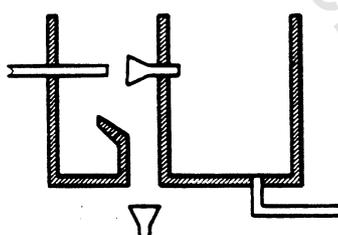


Figure 1 — Design principle

3.2

diameter of upstream feed pipe (bore "D")

diameter 'D' is the internal diameter of the upstream feed orifice