

Valves for water supply - Fitness for purpose requirements and appropriate verification tests - Part 4: Air valves

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1074-4:2000 sisaldab Euroopa standardi EN 1074-4:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1074-4:2000 consists of the English text of the European standard EN 1074-4:2000.</p> <p>This document is endorsed on 18.12.2000 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 part of the Standard specifies the minimum fitness for purpose requirements for valves to be used in, or connected to, water supply pipe systems above or below ground (see EN 805), carrying water intended for human consumption.</p>	<p>Scope:</p> <p>This part of the Standard specifies the minimum fitness for purpose requirements for valves to be used in, or connected to, water supply pipe systems above or below ground (see EN 805), carrying water intended for human consumption.</p>
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Võtmesõnad:

English version

**Valves for water supply – Fitness for purpose
requirements and appropriate verification tests**

Part 4: Air valves

Robinetterie pour l'alimentation en
eau – Prescriptions d'aptitude à
l'emploi et vérifications s'y
rapportant – Partie 4: Purgeurs et
ventouses à flotteur

Armaturen für die Wasserversorgung
– Anforderungen an die Gebrauchs-
tauglichkeit und deren Prüfung –
Teil 4: Be- und Entlüftungsventile mit
Schwimmkörper

This European Standard was approved by CEN on 2000-06-18.

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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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 69 "Industrial valves", the secretariat of which is held 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 January 2001, and conflicting national standards shall be withdrawn at the latest January 2001.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

prEN 1074 consists of six parts :

- *Part 1 : General requirements ;*
- *Part 2 : Isolating valves ;*
- *Part 3 : Check valves ;*
- *Part 4 : Air valves ;*
- *Part 5 : Control valves ;*
- *Part 6 : Hydrants.*

Part 1, in conjunction with the subsequent parts, lays down the general requirements and test procedures to be carried out in production and during the assessment of conformity of these valves (type tests). The detailed requirements, which depend on the types of valves, are defined in parts 2 to 6 of this standard.

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 of the 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 minimum fitness for purpose requirements for valves to be used in, or connected to, water supply pipe systems above or below ground (see EN 805), carrying water intended for human consumption.

This standard specifies the design requirements, the performance requirements, and the conformity assessment method for valves, whatever their type and materials.

This standard applies in priority to any other product or test standard : the requirements from other standards apply only when this standard refers to them.

This standard deals with the requirements applicable to air valves with DN up to DN 300 and PFA 6 to PFA 25.

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 736-1, *Valves — Terminology — Part 1 : Definition of the types of valves.*

EN 736-3, *Valves — Terminology — Part 3 : Definition of terms.*

EN 805, *Water supply — Requirements for systems and components outside buildings.*

EN 1074-1:2000, *Valves for water supply — Fitness for purpose requirements and appropriate verification tests — Part 1 : General requirements.*

EN 1074-2:2000, *Valves for water supply — Fitness for purpose requirements and appropriate verifications tests — Part 2 : Isolating valves.*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 1074-1 apply together with the following :

3.1

float type purgers and air valves

self-operating float type valves for the evacuation of air from, or for the ingress of air into water pipelines. Such valves may be single float or double float and may fulfil one or more of the following functions : air release, air intake, air venting

3.2

air release function

to discharge a large air flow from a water pipeline

3.3

air intake function

to admit a large air flow into a water pipeline

3.4

air venting function

to purge entrapped air from a water pipeline in service under pressure