Valves for water supply - Fitness for purpose requirements and appropriate verification tests - Part 6: Hydrants

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1074-
6:2004 sisaldab Euroopa standardi EN
1074-6:2004 ingliskeelset teksti.

Käesolev dokument on jõustatud 18.05.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1074-6:2004 consists of the English text of the European standard EN 1074-6:2004.

This document is endorsed on 18.05.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This European Standard defines 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.

Scope:

This European Standard defines 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.

ICS 23.060.99

Võtmesõnad: fire hydrants, fitness for purpos, hydrants, industrial fittings, operating requirements, pressure, specification (approval), specifications, strength of materials, testing, tightness, valves, water, water carriage, water distribution, water fittings, water supply

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English version

Valves for water supply

Fitness for purpose requirements and appropriate verification tests

Part 6: Hydrants

Robinetterie pour l'alimentation en eau – Prescriptions d'aptitude à l'emploi et vérifications s'y rapportant – Partie 6: Poteaux et bouches Armaturen für die Wasserversorgung – Anforderungen an die Gebrauchstauglichkeit und deren Prüfung – Teil 6: Hydranten

This European Standard was approved by CEN on 2003-11-03.

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.

The European Standards exist 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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Foreword

This document (EN 1074-6:2004) has been prepared by Technical Committee CEN/TC 69 "Industrial valves", 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 July 2004, and conflicting national standards shall be withdrawn at the latest by July 2004.

EN 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 European Standard.

The annexes A, B, C, D and E of this European Standard are 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, 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:

- 1) this European Standard provides no information as to whether the product can be used without restriction in any of the Member States of the EU or EFTA;
- 2) 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 defines the minimum fitness for purpose requirements for hydrants 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 hydrants, whatever their type, materials and functions. Where hydrants can be used for fire fighting, irrigation or other function, additional requirements can be given in other standards (e.g. prEN 14339:2001).

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

This part of EN 1074 deals with the requirements applicable to both underground and pillar hydrants, in sizes DN 65 to DN 150, and PFA up to 16 bar.

This part of EN 1074 does not give requirements for the outlets or their interface with the hydrants, since they are subject to national standards.

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 558-1, Industrial valves – Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems – Part 1: PN-designated valves.

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 verification tests - Part 2: Isolating valves.

EN 1074-3:2000, Valves for water supply - Fitness for purpose requirements and appropriate verification tests - Part 3: Check valves.

EN 1092-2, Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 2: Cast iron flanges

EN 1267:1999, Valves – Test of flow resistance using water as test fluid.

EN 12266-1:2003, Industrial valves – Testing of valves – Part 1: Pressure tests, test procedures and acceptance criteria – Mandatory requirements.